

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057027.D
 Acq On : 1 Aug 2019 10:59
 Operator : JC/SP
 Sample : VN0801WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0801WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:17:50 AM

Quant Time: Aug 02 10:24:58 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	77169	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	409268	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	347069	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	145435	28.80	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.00%
60) 4-Bromofluorobenzene	12.40	95	147987	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.08	98	506457	30.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	88425	19.165	ug/l 96
3) Chloromethane	2.05	50	102021	18.121	ug/l 97
4) Vinyl Chloride	2.18	62	96909	17.853	ug/l 99
5) Bromomethane	2.55	94	61974	18.595	ug/l 98
6) Chloroethane	2.69	64	52296	17.369	ug/l 97
7) Trichlorofluoromethane	3.00	101	132931	20.109	ug/l 99
8) Diethyl Ether	3.40	74	48859	19.836	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77086	18.569	ug/l 95
10) 1,1-Dichloroethene	3.73	96	76378	18.539	ug/l 98
11) Methyl Iodide	3.94	142	107109	17.573	ug/l 99
12) Methyl Acetate	4.31	43	75827	15.040	ug/l 97
13) Acrolein	3.60	56	74609	130.751	ug/l 100
14) Acrylonitrile	4.97	53	172880	88.909	ug/l 99
15) Acetone	3.81	58	51497	102.440	ug/l 93
16) Carbon Disulfide	4.04	76	202856	18.261	ug/l 99
17) Allyl chloride	4.31	41	117446	17.036	ug/l 98
18) Methylene Chloride	4.54	84	88547	18.466	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	82276	18.871	ug/l 97
20) Diisopropyl ether	5.94	45	250896	17.925	ug/l 96
21) 1,1-Dichloroethane	5.83	63	149384	18.364	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	93526	18.508	ug/l 99
23) tert-Butyl Alcohol	4.77	59	58069	89.489	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	227189	18.240	ug/l 98
25) Chloroform	7.36	83	150087	18.913	ug/l 98
26) Cyclohexane	7.64	56	132717	17.761	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	111165	19.140	ug/l 97
30) 2-Butanone	6.82	43	219908	94.244	ug/l 99
31) 2,2-Dichloropropane	6.81	77	110513	20.505	ug/l 98
32) 1,1,1-Trichloroethane	7.56	97	123932	19.421	ug/l 99
33) Carbon Tetrachloride	7.76	117	107195	19.246	ug/l 97
34) Benzene	8.03	78	343324	18.761	ug/l 99
35) Methacrylonitrile	7.18	41	52212m	22.406	ug/l
36) 1,2-Dichloroethane	8.11	62	108637	19.096	ug/l 99
37) Trichloroethene	8.82	130	92377	18.829	ug/l 98
38) Methylcyclohexane	9.07	83	133595	18.082	ug/l 99
39) 1,2-Dichloropropane	9.11	63	90902	18.609	ug/l 96
40) Dibromomethane	9.20	93	58861	19.643	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	109392	18.998	ug/l	100
42) Vinyl Acetate	5.88	43	932184	89.707	ug/l	99
43) Ethyl Acetate	6.92	43	89836	18.780	ug/l	95
44) Isopropyl Acetate	8.16	43	144543	18.128	ug/l	100
45) 1,4-Dioxane	9.19	88	28113	370.356	ug/l	93
46) Methyl methacrylate	9.19	41	69608	17.499	ug/l	97
47) n-amyl Acetate	12.07	43	103376	16.196	ug/l	99
48) t-1,3-Dichloropropene	10.37	75	109730	18.313	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	129775	18.586	ug/l	99
50) 1,1,2-Trichloroethane	10.55	97	83080	19.310	ug/l	98
51) Ethyl methacrylate	10.42	69	110694	17.788	ug/l	99
52) 1,3-Dichloropropane	10.70	76	136950	18.861	ug/l	99
53) Dibromochloromethane	10.90	129	84583	18.914	ug/l	100
54) 1,2-Dibromoethane	11.00	107	83916	19.119	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	212882	78.988	ug/l	97
56) Bromoform	12.12	173	57323	18.526	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	432823	92.930	ug/l	98
59) 2-Hexanone	10.75	43	295561	93.128	ug/l	98
61) Tetrachloroethene	10.63	164	99192	20.393	ug/l	99
62) Toluene	10.15	91	367197	19.453	ug/l	98
64) Chlorobenzene	11.43	112	218611	19.227	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	84239	19.560	ug/l	99
66) Ethyl Benzene	11.51	91	372575	18.731	ug/l	98
67) m/p-Xylenes	11.62	106	286954	38.687	ug/l	100
68) o-Xylene	11.94	106	138192	18.949	ug/l	99
69) Styrene	11.96	104	215941	18.273	ug/l	100
70) Isopropylbenzene	12.25	105	367946	19.162	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	105754	19.663	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	84607m	17.880	ug/l	
73) Bromobenzene	12.52	156	92513	18.671	ug/l	99
74) n-propylbenzene	12.59	91	379133	18.058	ug/l	99
75) 2-Chlorotoluene	12.67	91	241648	18.984	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	313129	19.371	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	25276	17.012	ug/l	93
78) 4-Chlorotoluene	12.77	91	216957	17.931	ug/l	99
79) tert-butylbenzene	12.99	119	271066	19.432	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	299089	18.979	ug/l	98
81) sec-Butylbenzene	13.17	105	341206	18.735	ug/l	99
82) p-Isopropyltoluene	13.29	119	299954	18.339	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	131977	16.917	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	121764	16.507	ug/l	99
85) n-Butylbenzene	13.61	91	208875	16.263	ug/l	99
86) Hexachloroethane	13.87	117	53342	19.487	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	140999	18.196	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14573	17.515	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	43973	16.254	ug/l	99
90) Hexachlorobutadiene	15.00	225	58600	20.574	ug/l	96
91) Naphthalene	15.12	128	104714	15.325	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	54857	13.391	ug/l	99

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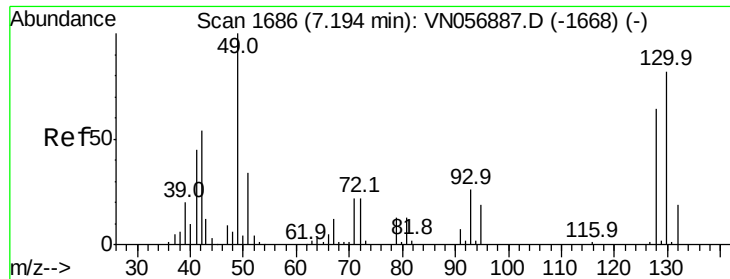
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion:128 Resp: 77169

Ion Ratio Lower Upper

128 100

49 145.7 0.0 385.8

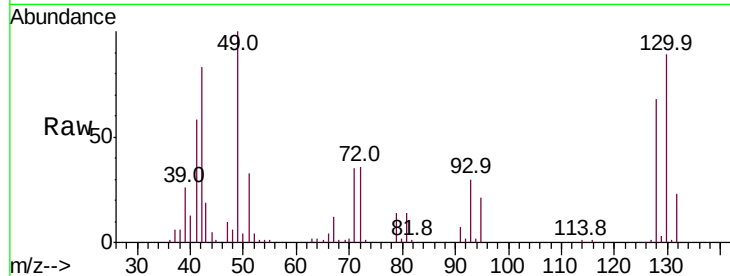
130 128.2 0.0 322.5

Manual Integrations

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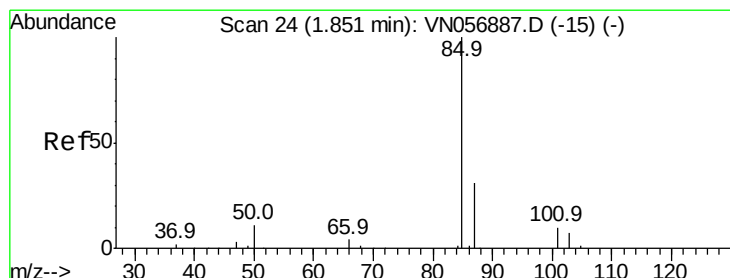
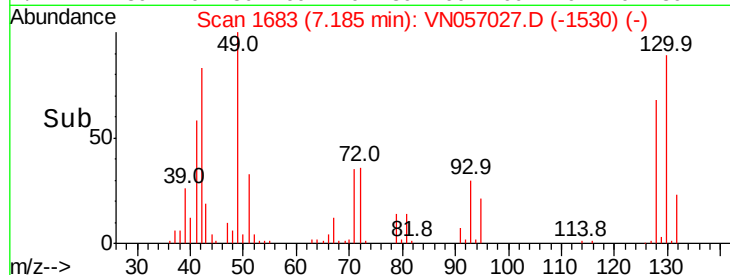
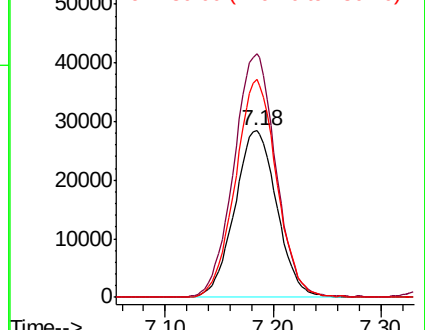
8/2/2019 11:17:50 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.165 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057027.D

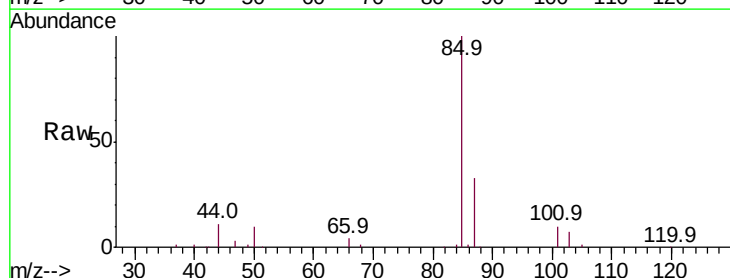
Acq: 1 Aug 2019 10:59

Tgt Ion: 85 Resp: 88425

Ion Ratio Lower Upper

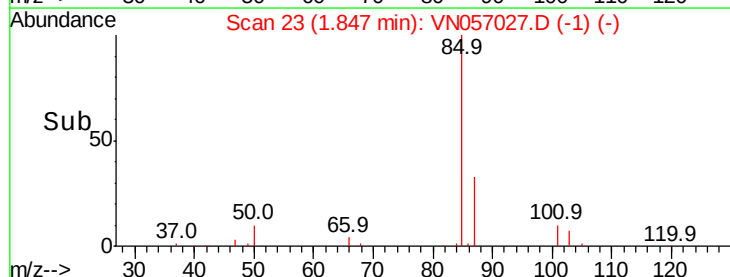
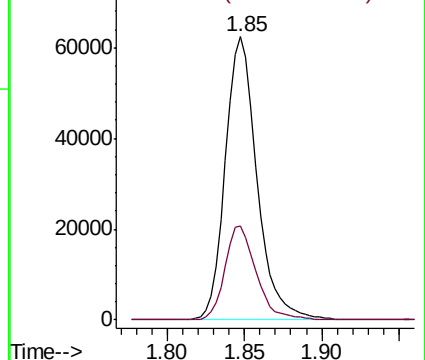
85 100

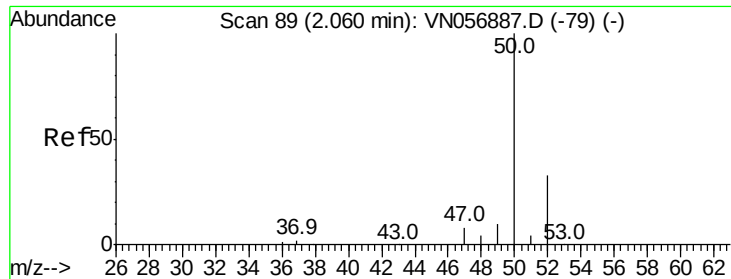
87 33.4 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.121 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion: 50 Resp: 102021

Ion Ratio Lower Upper

50 100

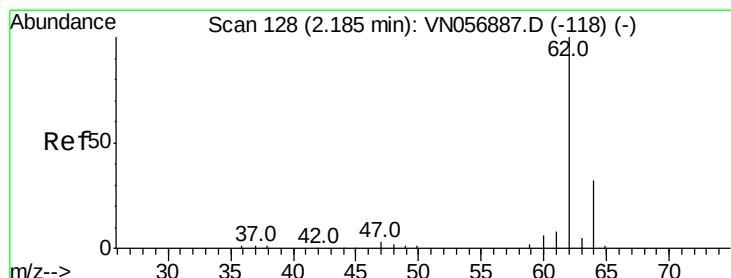
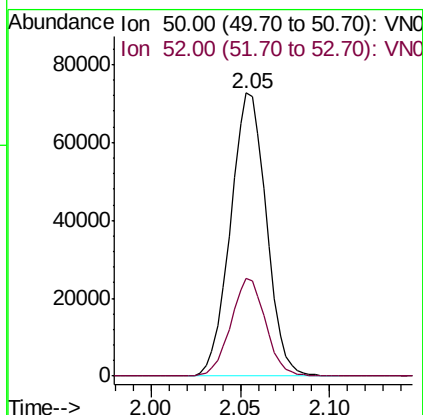
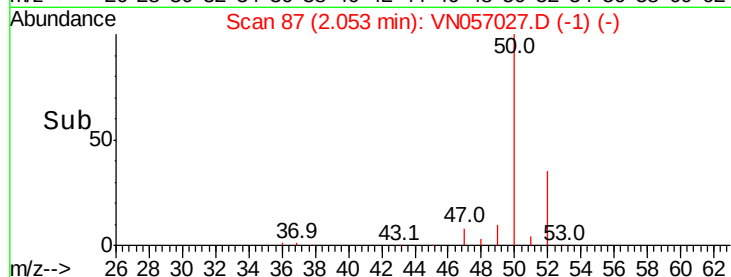
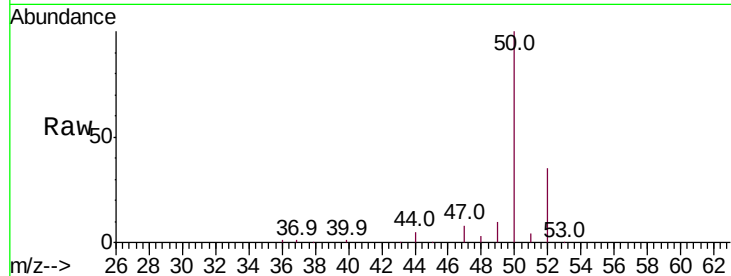
52 34.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 17.853 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057027.D

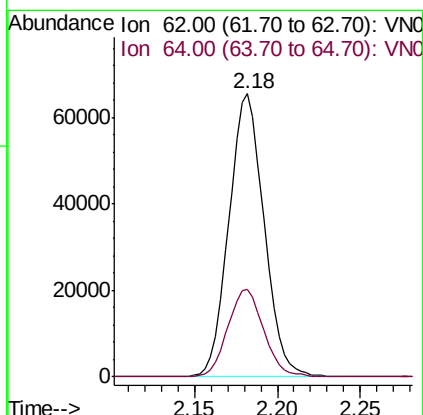
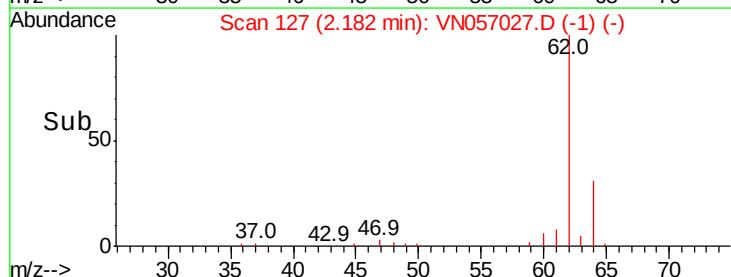
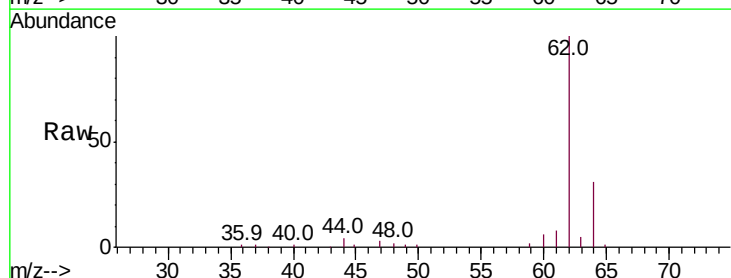
Acq: 1 Aug 2019 10:59

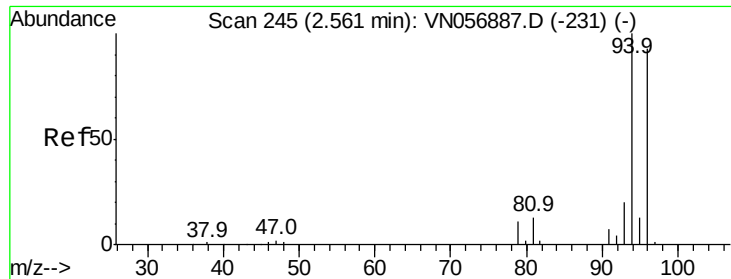
Tgt Ion: 62 Resp: 96909

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.0





#5

Bromomethane

Concen: 18.595 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion: 94 Resp: 61974

Ion Ratio Lower Upper

94 100

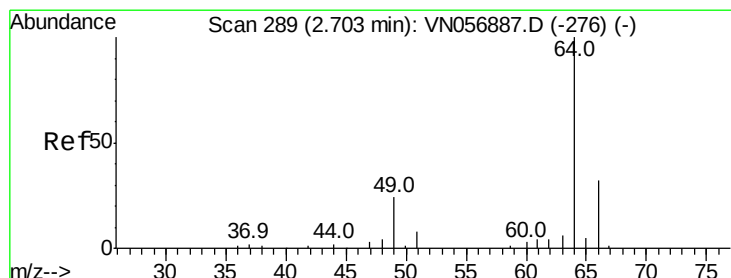
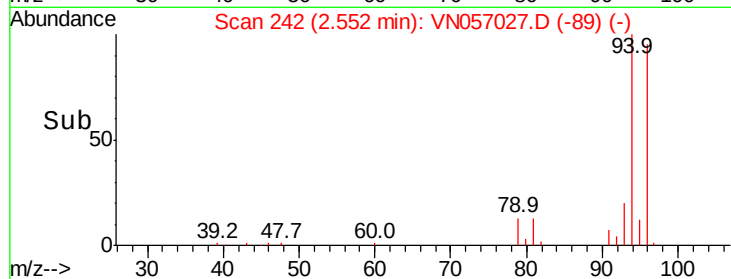
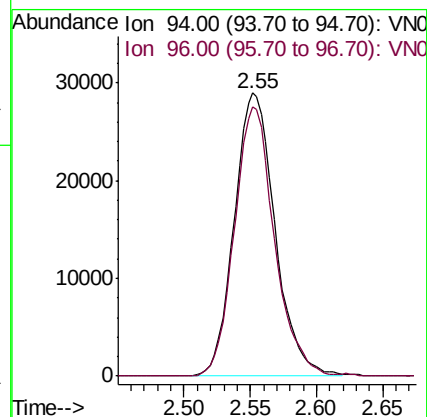
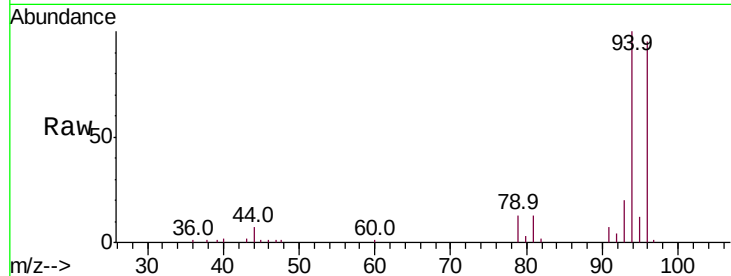
96 95.1 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 17.369 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN057027.D

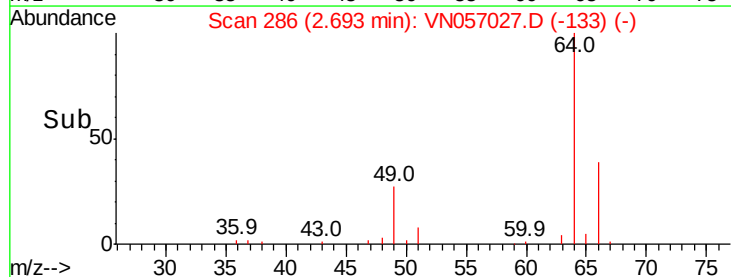
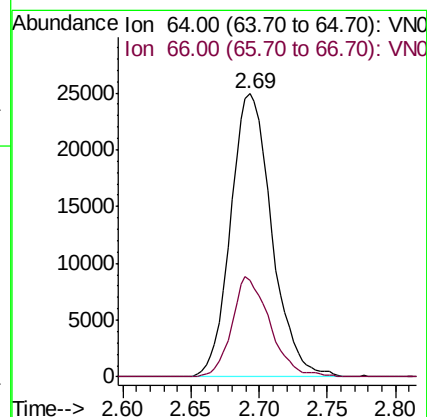
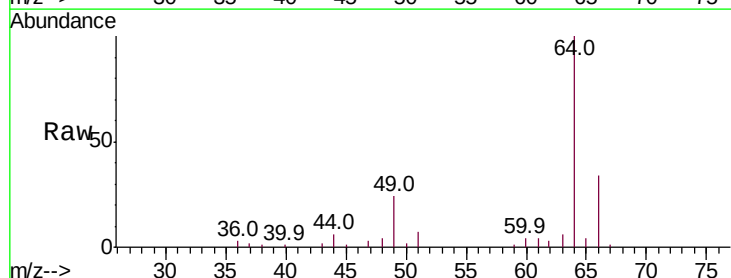
Acq: 1 Aug 2019 10:59

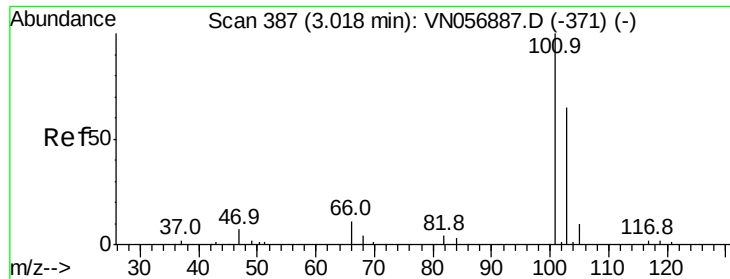
Tgt Ion: 64 Resp: 52296

Ion Ratio Lower Upper

64 100

66 34.2 25.8 38.8





#7

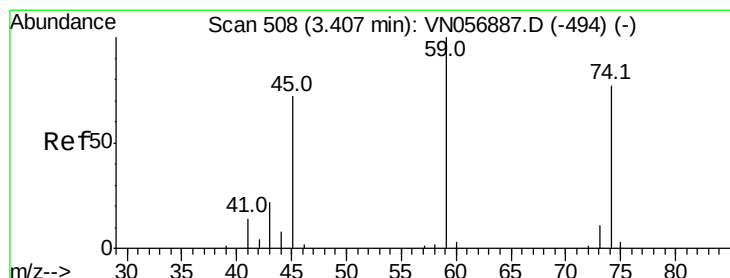
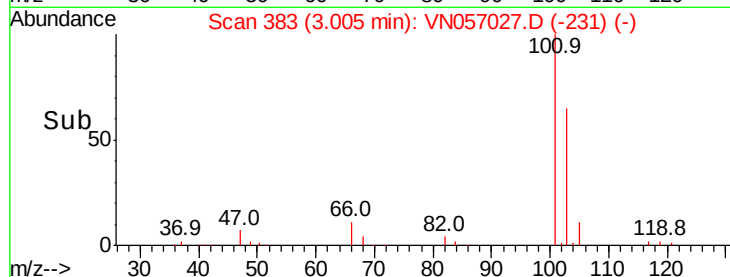
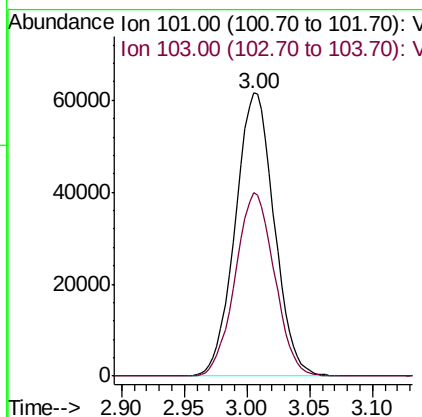
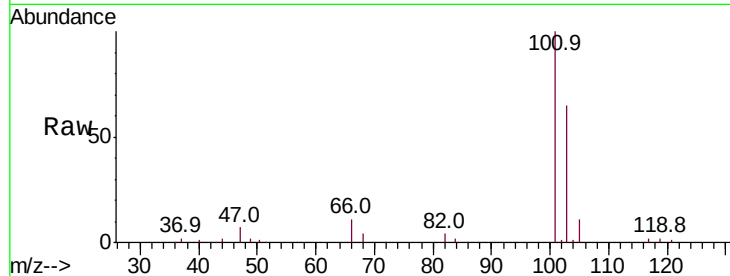
Trichlorofluoromethane
 Concen: 20.109 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.4

Manual Integrations
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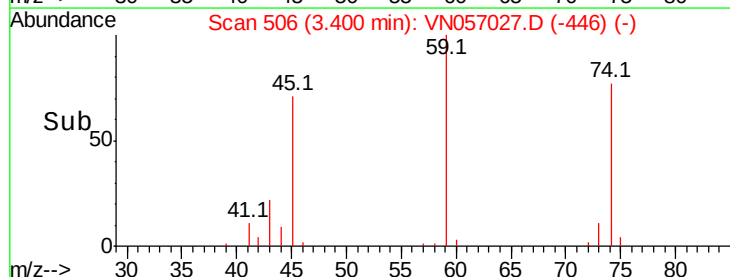
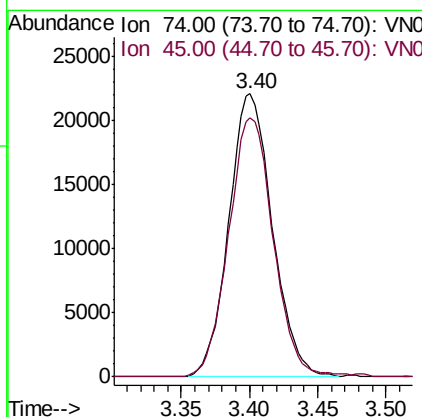
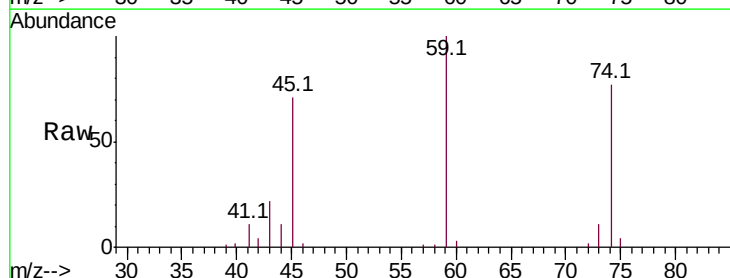
MMDadoda
 8/2/2019 11:17:50 AM

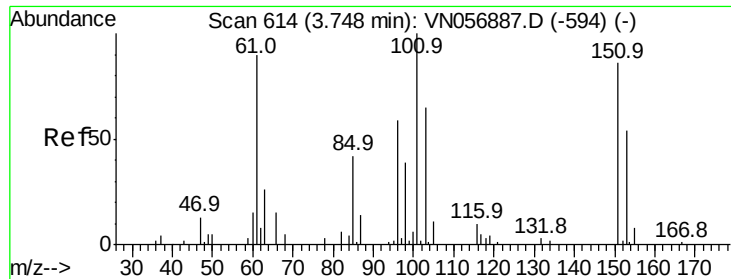


#8

Diethyl Ether
 Concen: 19.836 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	19.5	175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.569 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

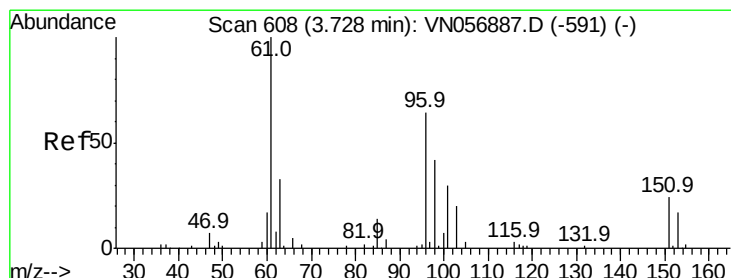
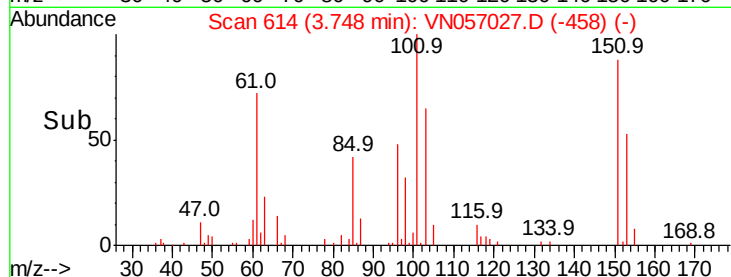
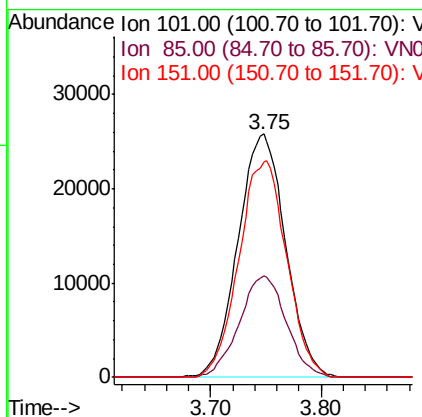
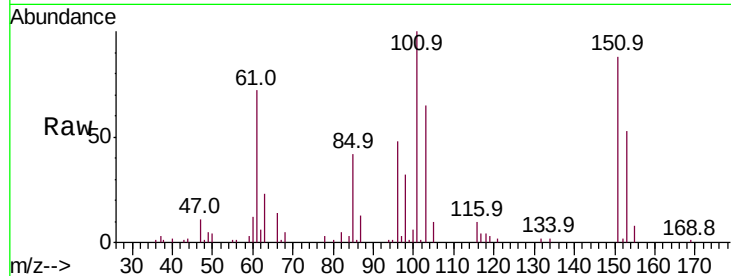
ClientSampled :

VN0801WBSD01

Tot Ion:	101	Resp:	77086
Ion Ratio	Lower	Upper	
101	100		
85	41.1	0.0	85.0
151	89.0	0.0	167.2

Manual Integrations
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8/2/2019 11:17:50 AM



#10

1,1-Dichloroethene

Concen: 18.539 ug/l

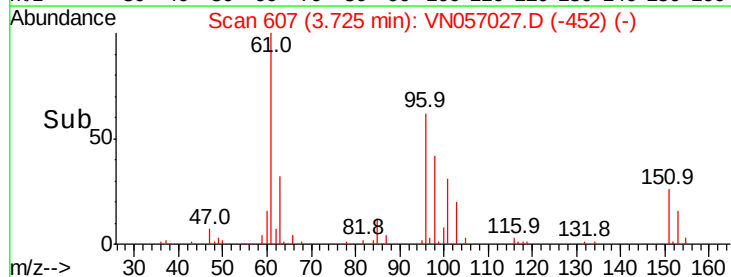
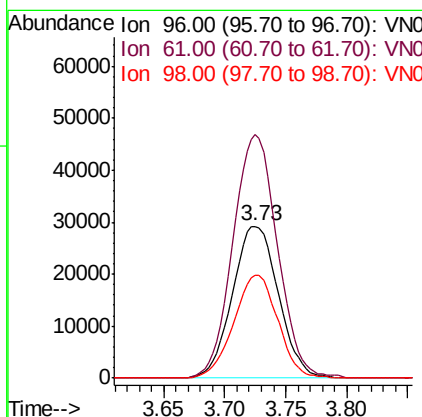
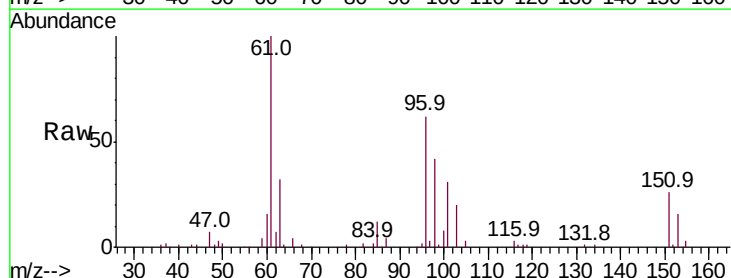
RT: 3.73 min Scan# 607

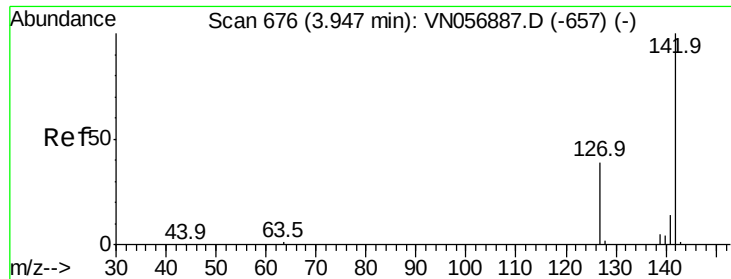
Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion:	96	Resp:	76378
Ion Ratio	Lower	Upper	
96	100		
61	159.9	125.8	188.8
98	67.9	52.7	79.1





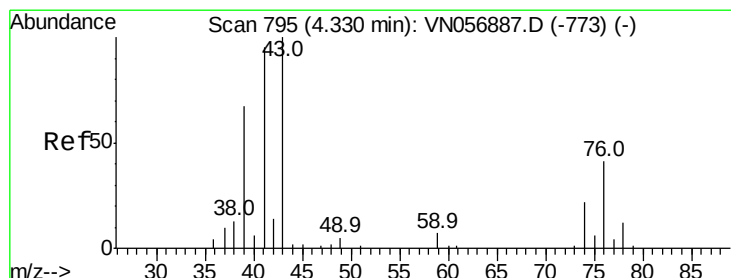
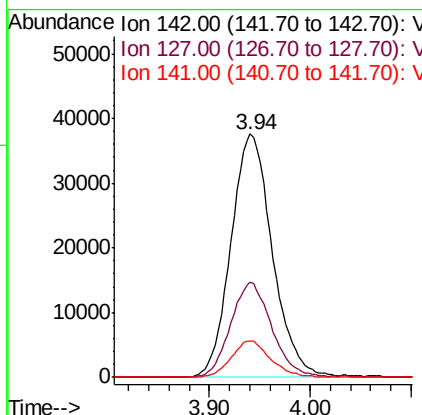
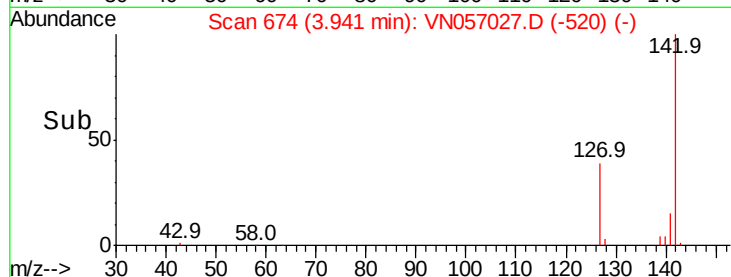
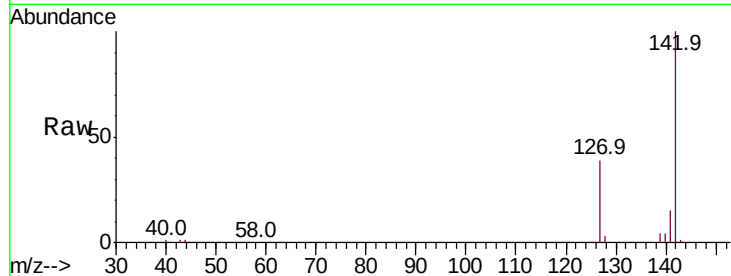
#11
Methvl Iodide
Concen: 17.573 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.1	19.6	58.8
141	15.1	7.2	21.6

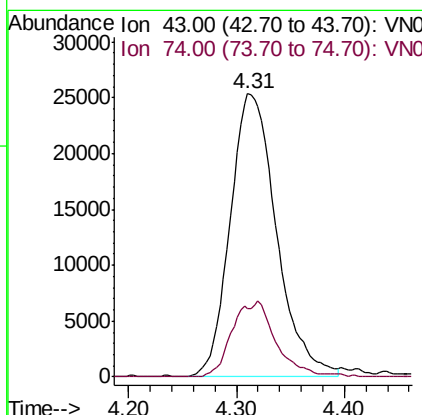
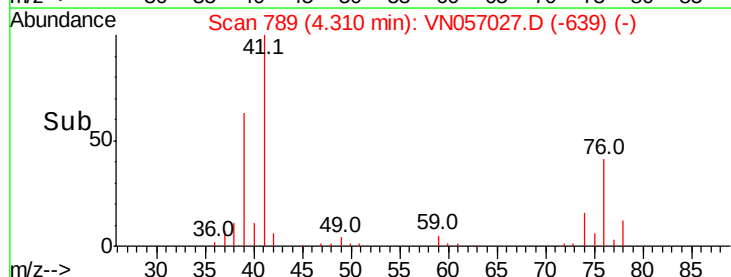
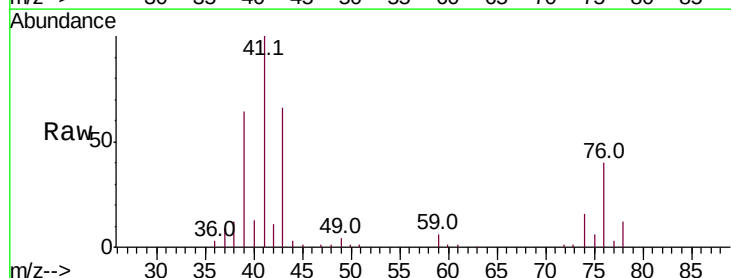
Manual Integrations
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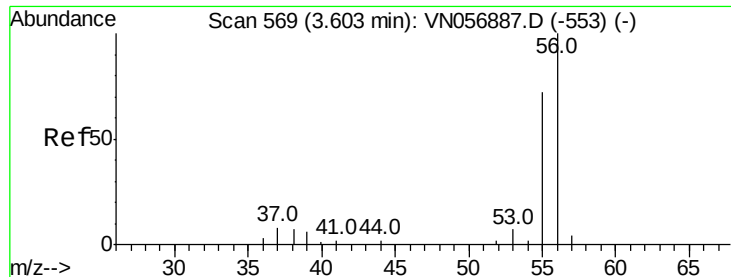
MMDadoda
8/2/2019 11:17:50 AM



#12
Methyl Acetate
Concen: 15.040 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.1	27.1





#13

Acrolein

Concen: 130.751 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion: 56 Resp: 74609

Ion Ratio Lower Upper

56 100

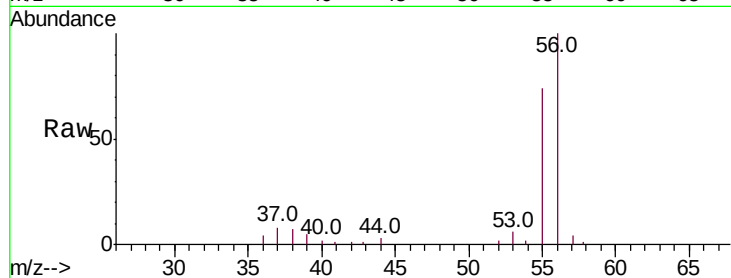
55 72.7 58.5 87.7

Manual Integrations

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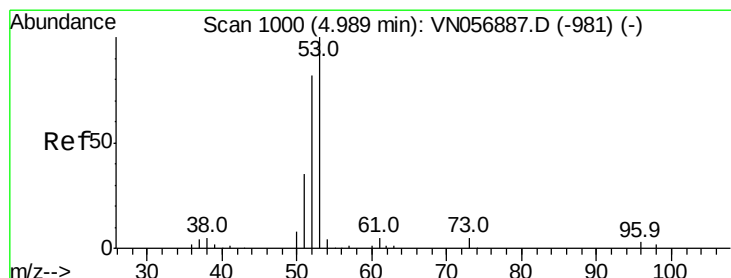
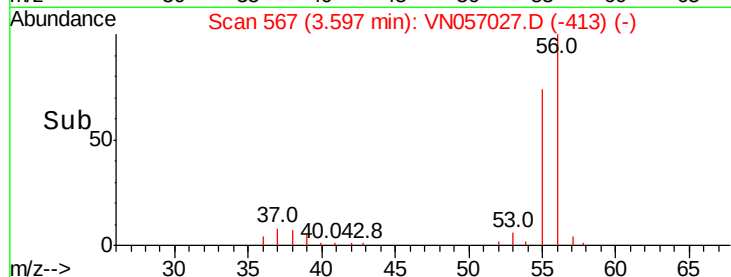
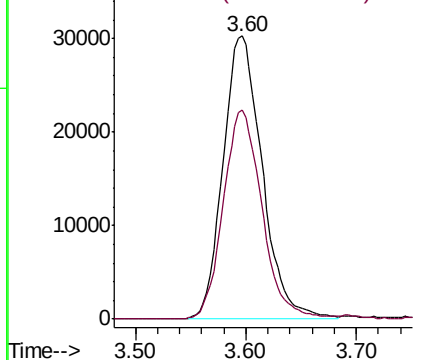
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 88.909 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.02 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

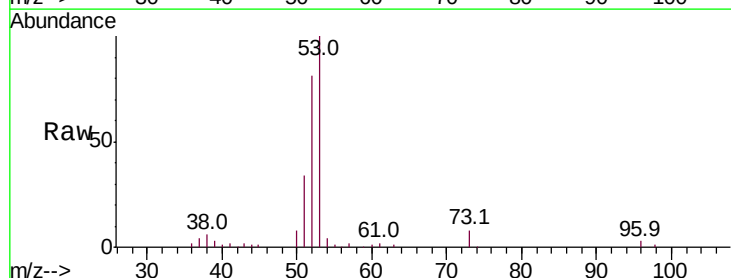
Tgt Ion: 53 Resp: 172880

Ion Ratio Lower Upper

53 100

52 82.0 40.8 122.5

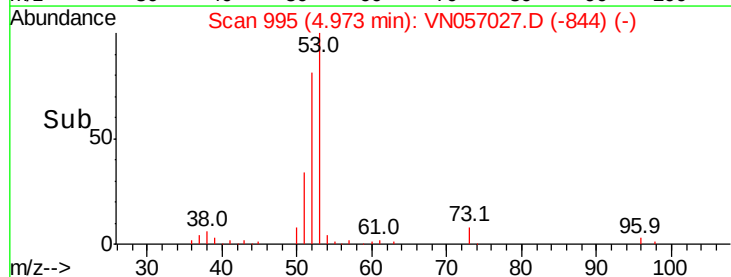
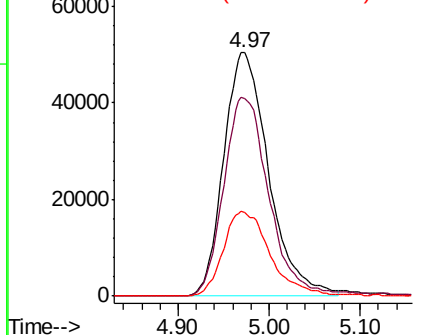
51 36.3 17.4 52.2

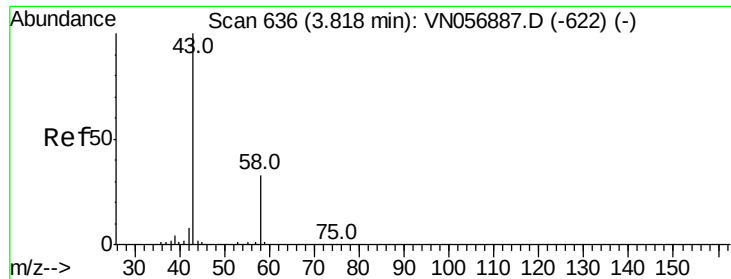


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.440 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion: 58 Resp: 51497

Ion Ratio Lower Upper

58 100

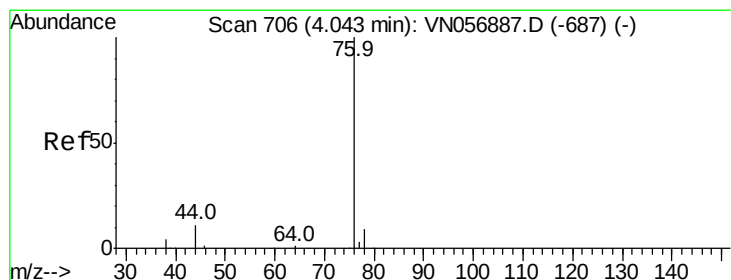
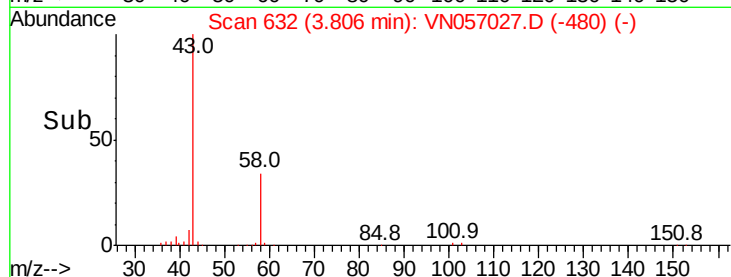
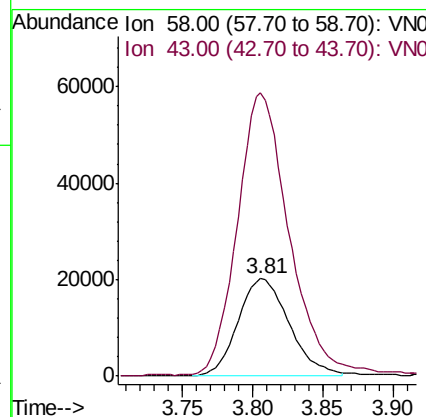
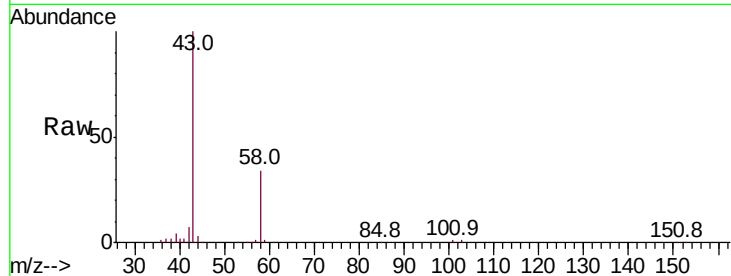
43 289.2 242.4 363.6

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#16

Carbon Disulfide

Concen: 18.261 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN057027.D

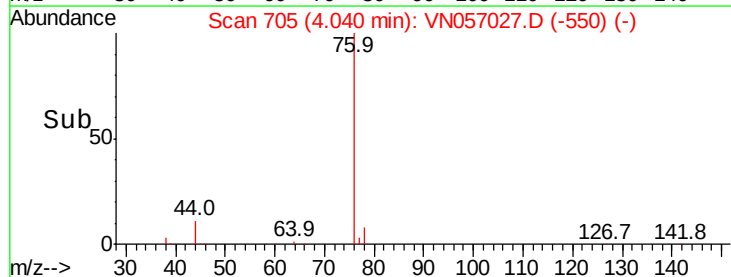
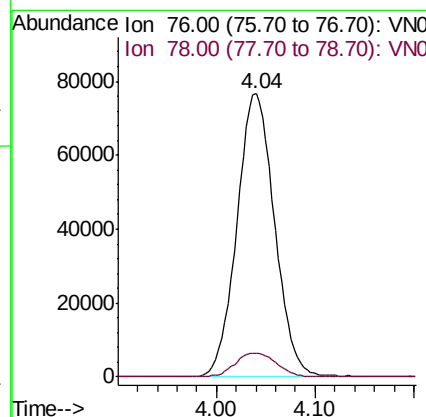
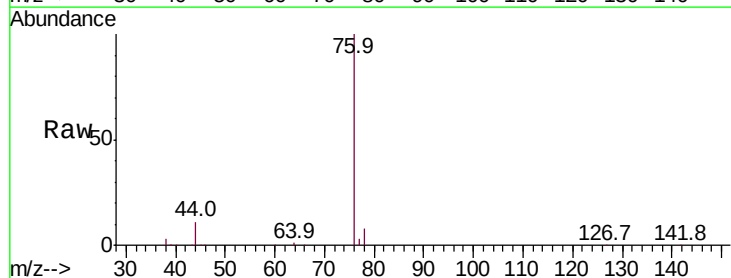
Acq: 1 Aug 2019 10:59

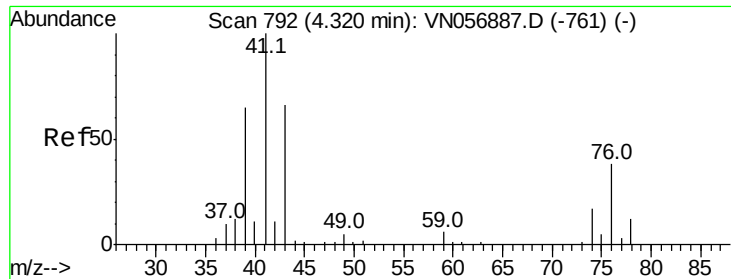
Tgt Ion: 76 Resp: 202856

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7





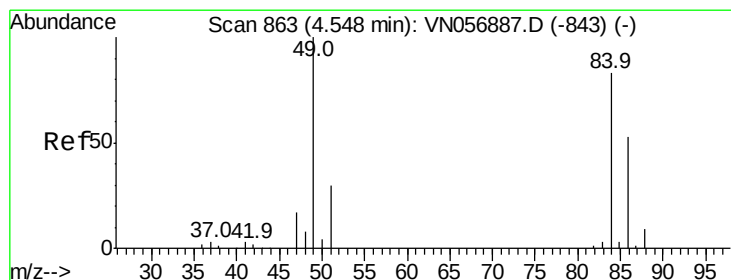
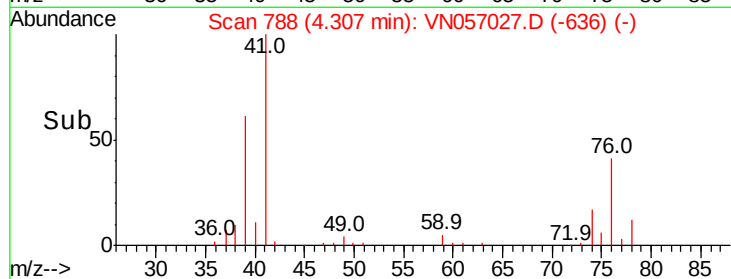
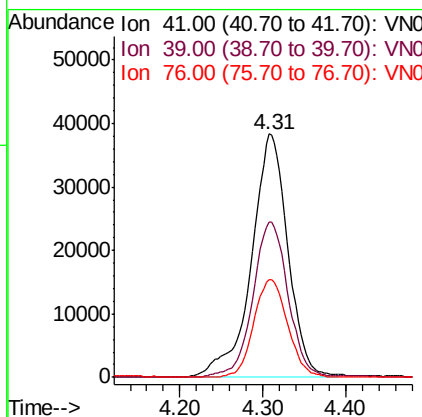
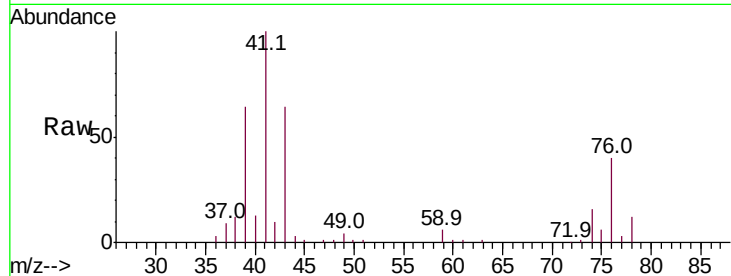
#17
Allvl chloride
Concen: 17.036 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	63.8	32.4	97.0	
76	40.3	19.0	57.0	

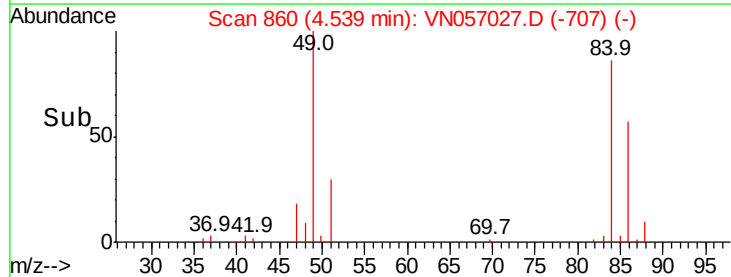
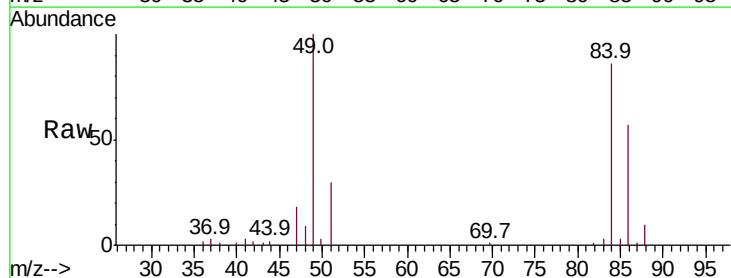
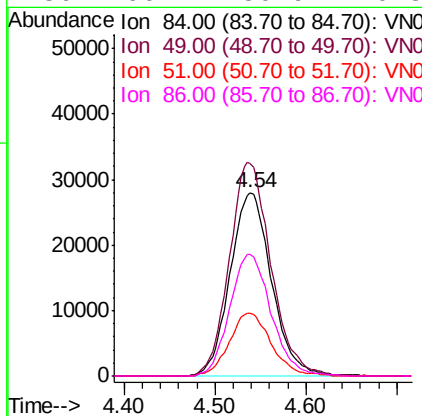
Manual Integrations
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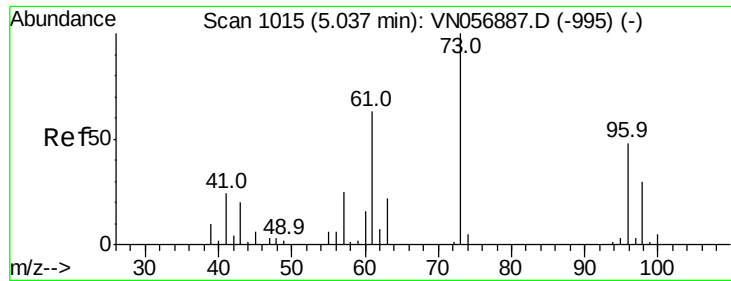
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#18
Methylene Chloride
Concen: 18.466 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	115.8	96.3	144.5	
51	34.4	28.8	43.2	
86	66.2	50.9	76.3	





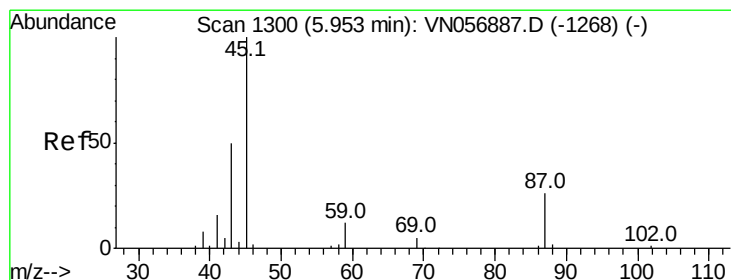
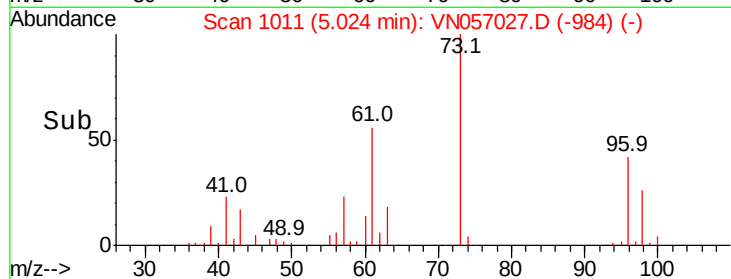
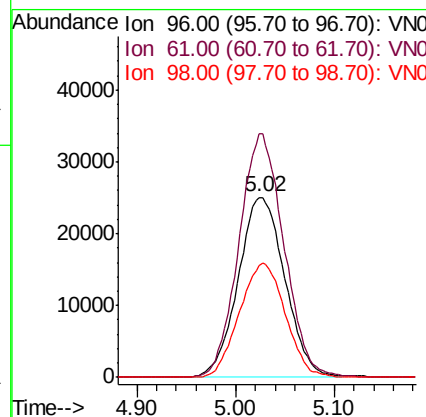
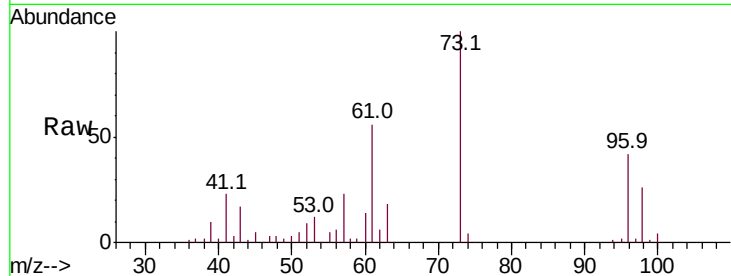
#19
trans-1,2-Dichloroethene
Concen: 18.871 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	105.4	158.0
98	61.9	50.8	76.2

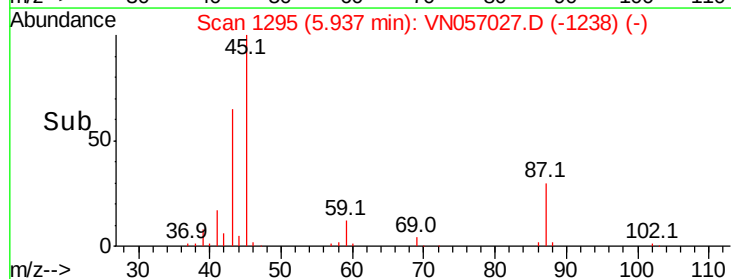
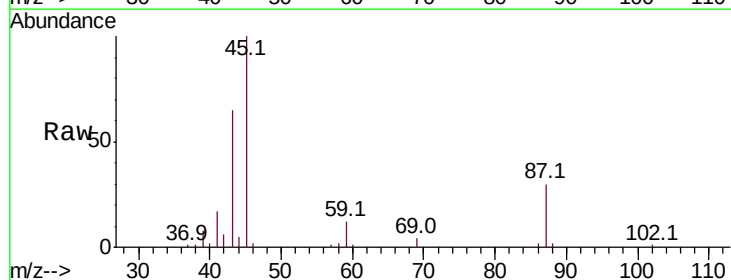
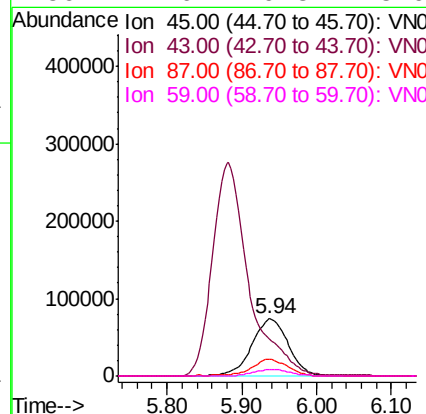
Manual Integrations
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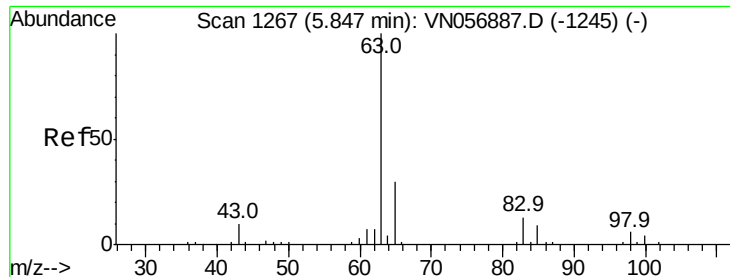
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#20
Diisopropyl ether
Concen: 17.925 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	47.4	71.0
87	30.1	21.7	32.5
59	11.6	9.3	13.9





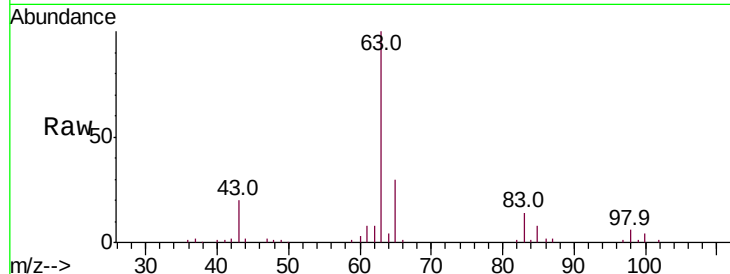
#21
 1,1-Dichloroethane
 Concen: 18.364 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

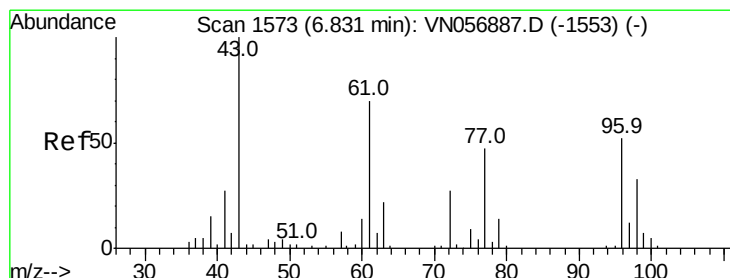
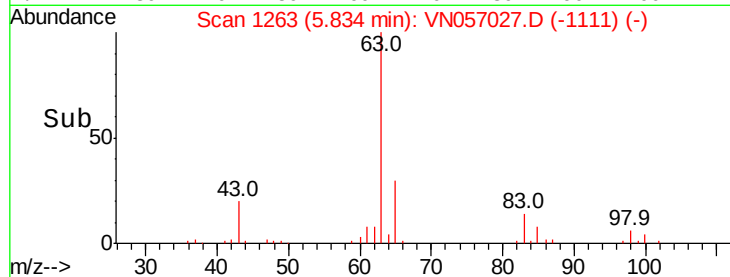
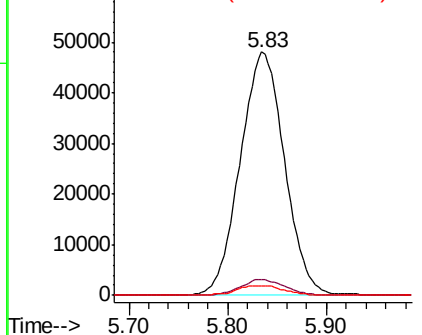
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.3	3.1	9.3	
100	3.6	1.8	5.5	

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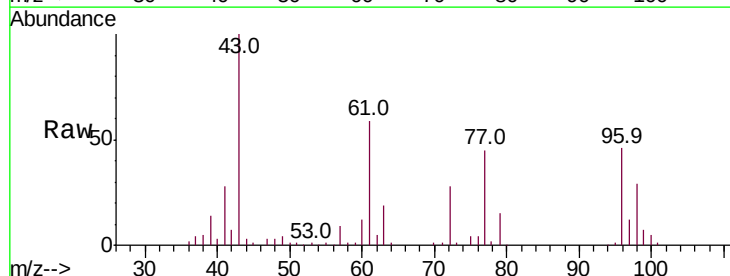


Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-1245) (-)
 Ion 98.00 (97.70 to 98.70): VN056887.D (-1245) (-)
 Ion 100.00 (99.70 to 100.70): VN056887.D (-1245) (-)

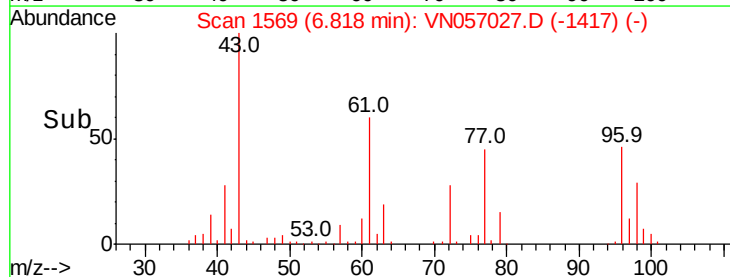
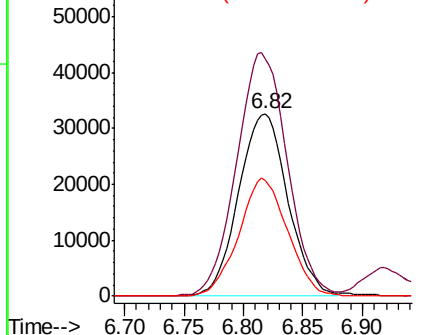


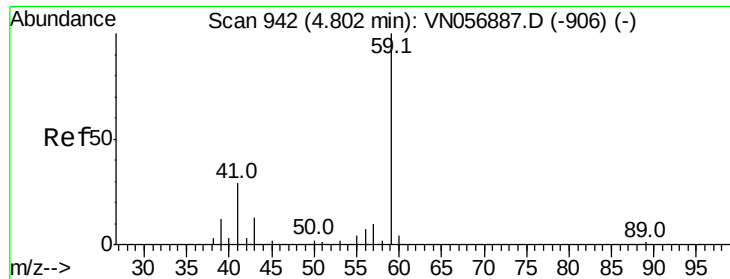
#22
 cis-1,2-Dichloroethene
 Concen: 18.508 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.5	111.6	167.4	
98	64.0	51.0	76.4	



Abundance Ion 96.00 (95.70 to 96.70): VN056887.D (-1553) (-)
 Ion 61.00 (60.70 to 61.70): VN056887.D (-1553) (-)
 Ion 98.00 (97.70 to 98.70): VN056887.D (-1553) (-)





#23

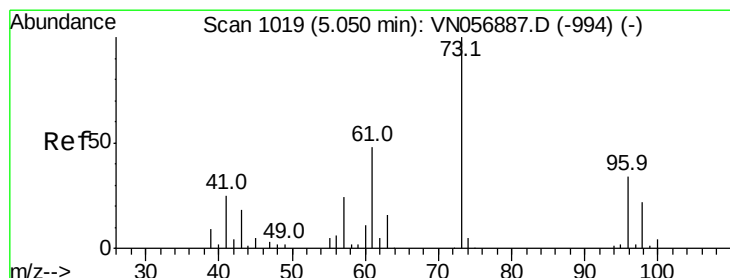
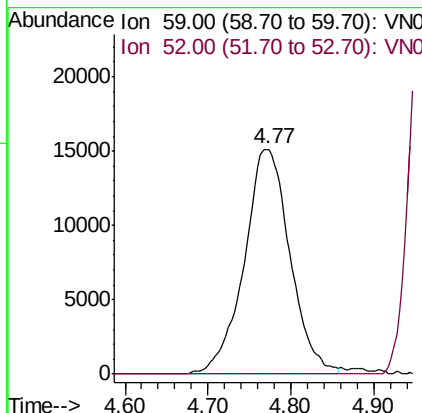
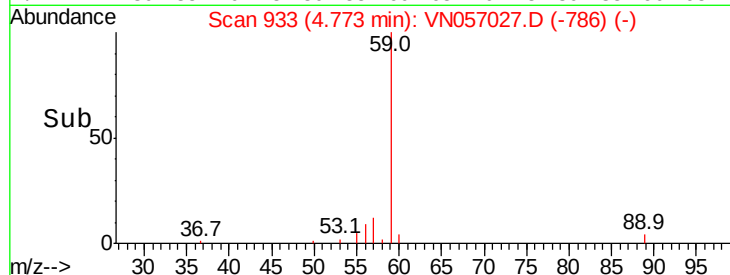
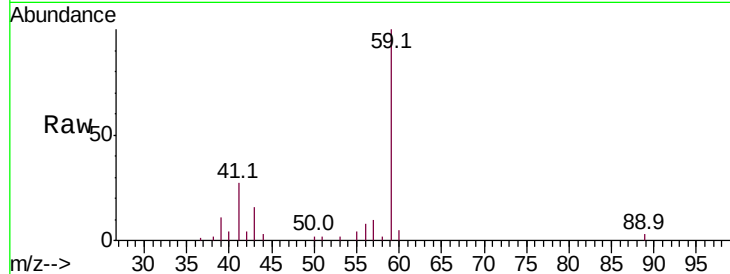
tert-Butyl Alcohol
 Concen: 89.489 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.03 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

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

Manual Integrations
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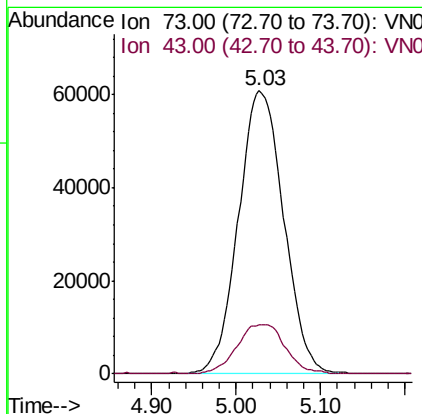
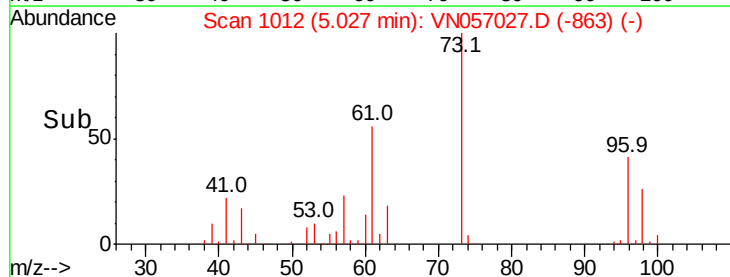
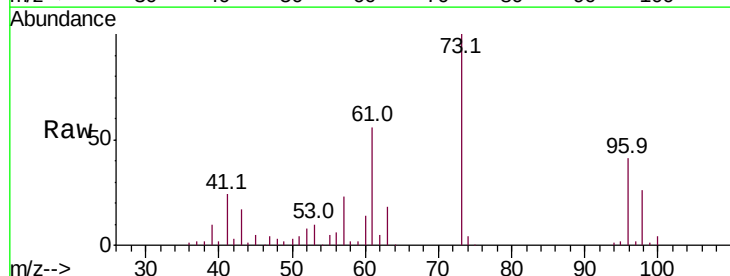
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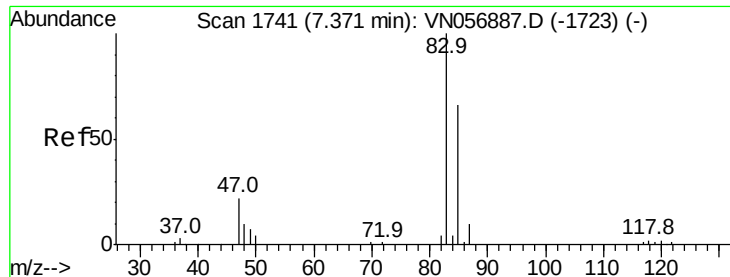


#24

Methyl tert-Butyl Ether
 Concen: 18.240 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	18.4	15.4	23.0	





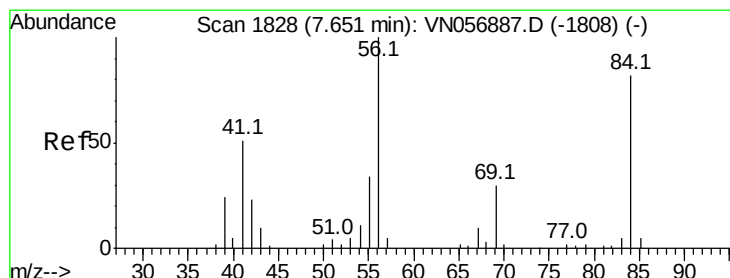
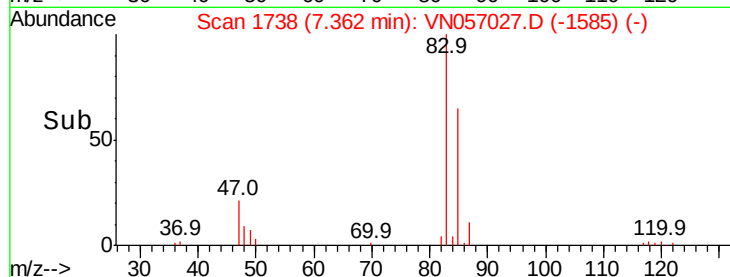
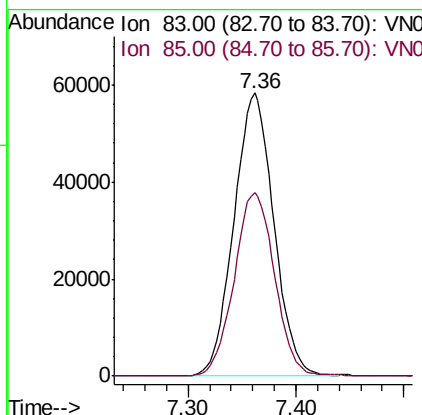
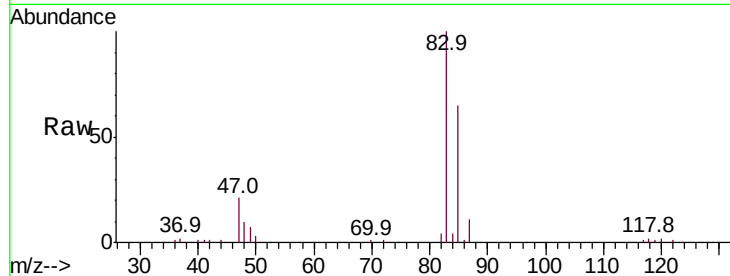
#25
Chloroform
Concen: 18.913 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion: 83 Resp: 150087
Ion Ratio Lower Upper
83 100
85 64.8 53.1 79.7

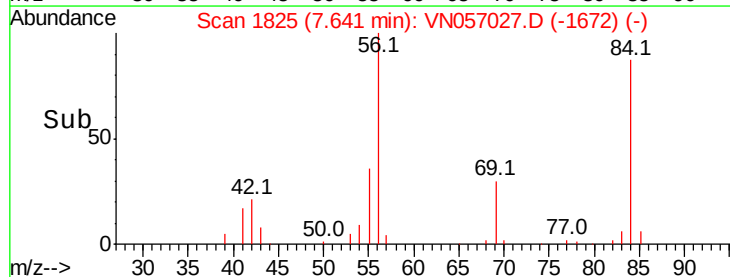
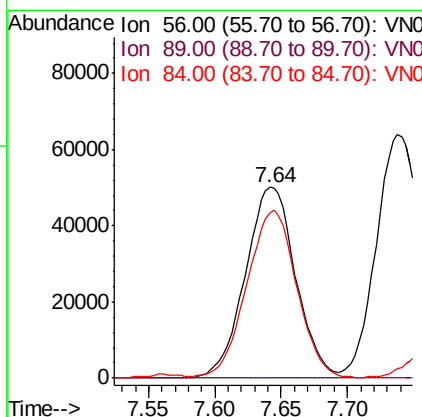
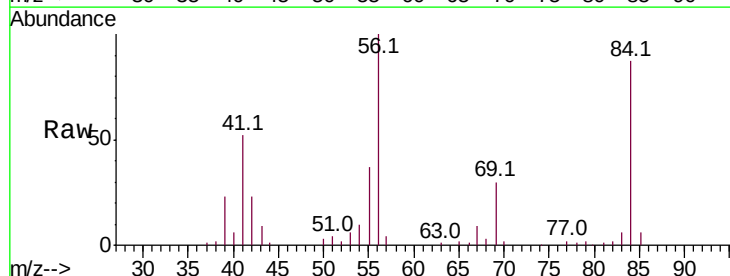
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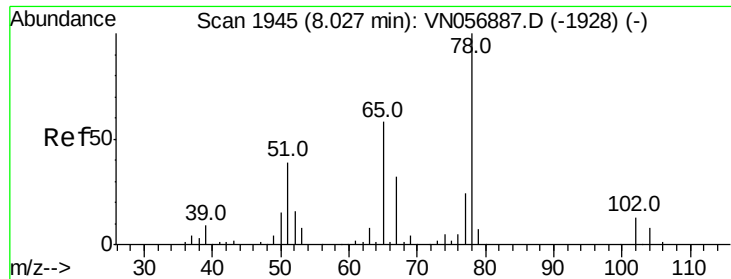
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8/2/2019 11:17:50 AM



#26
Cyclohexane
Concen: 17.761 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 56 Resp: 132717
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.7 67.8 101.6





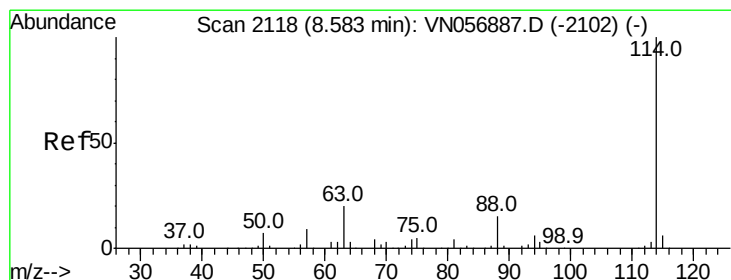
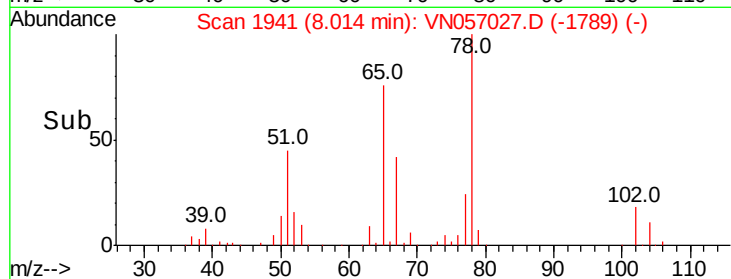
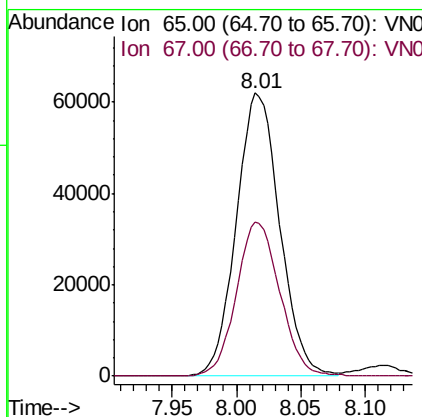
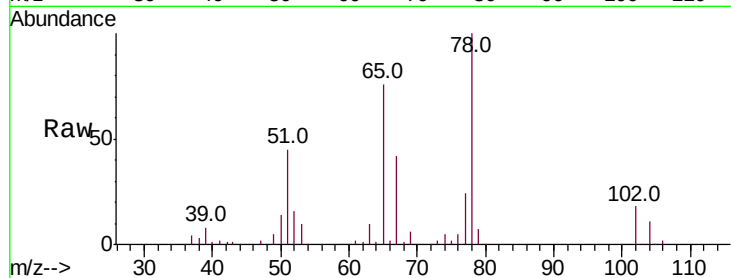
#27
 1,2-Dichloroethane-d4
 Concen: 28.798 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145435		
67	54.3	44.6	66.8	

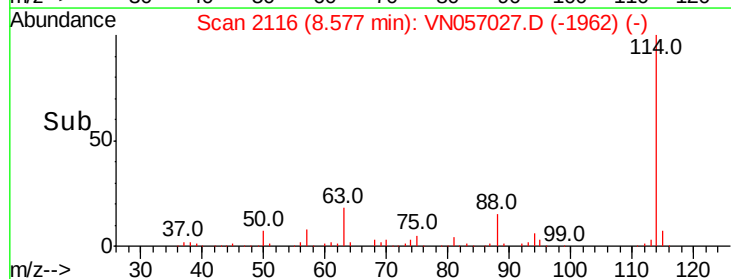
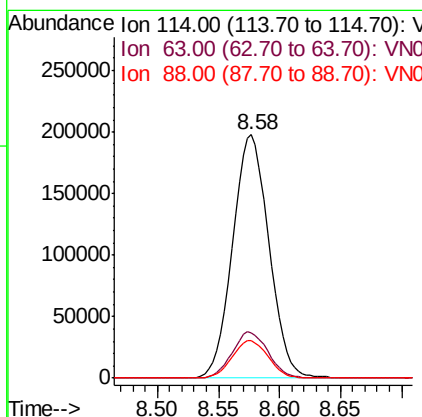
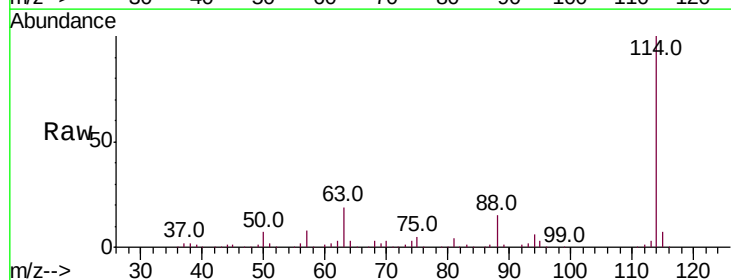
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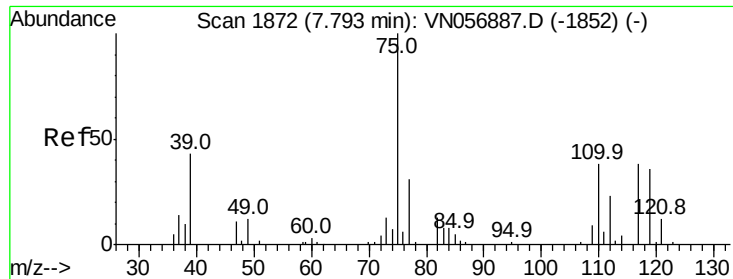
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	409268		
63	18.9	15.8	23.6	
88	15.3	12.5	18.7	





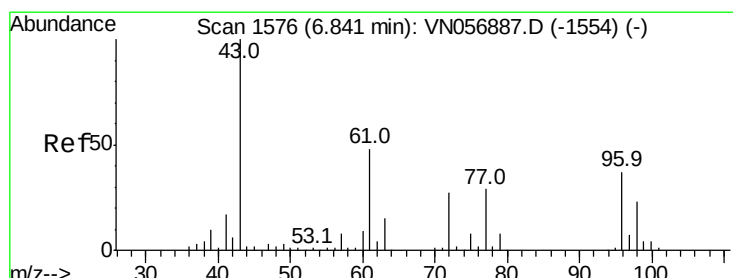
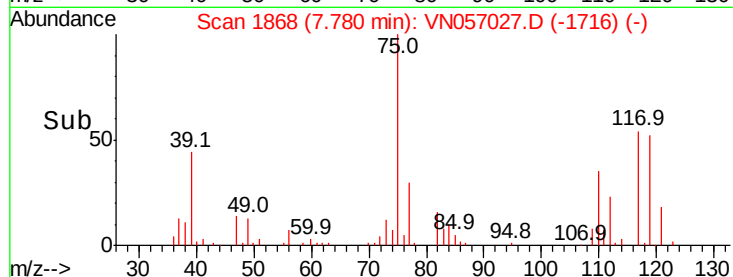
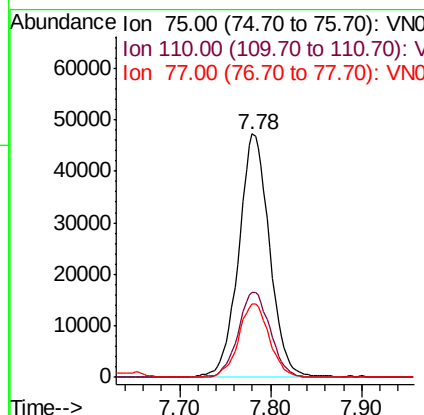
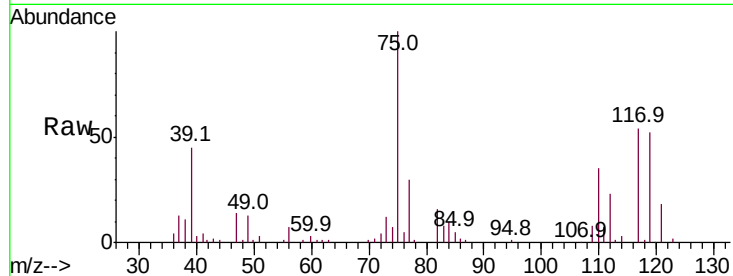
#29
 1,1-Dichloropropene
 Concen: 19.140 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.1	0.0	75.8
77	30.0	0.0	64.0

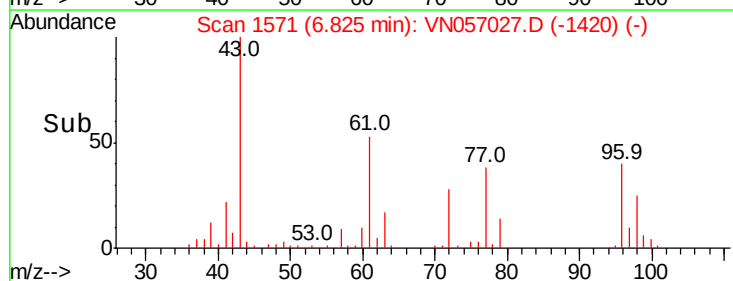
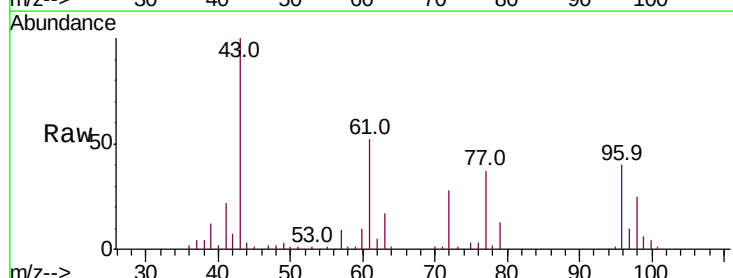
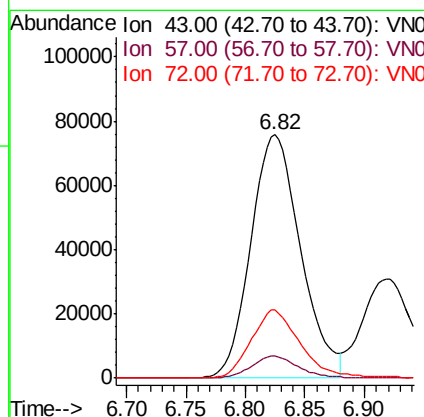
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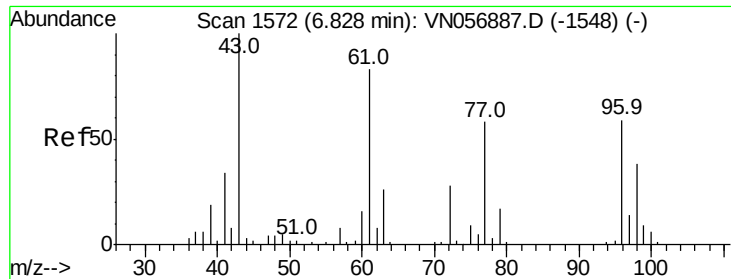
MMDadoda
 8/2/2019 11:17:50 AM



#30
 2-Butanone
 Concen: 94.244 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.5	9.7
72	27.4	22.1	33.1





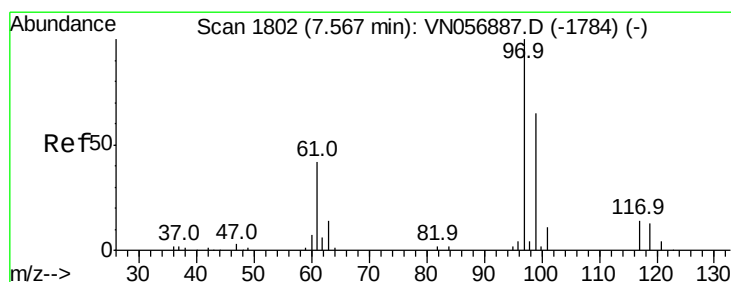
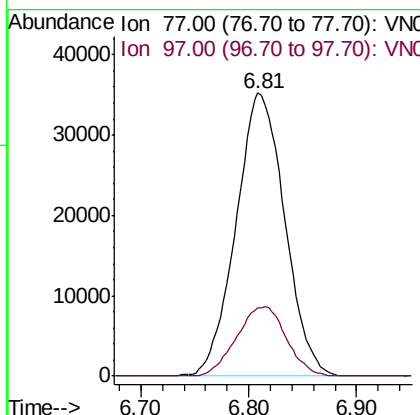
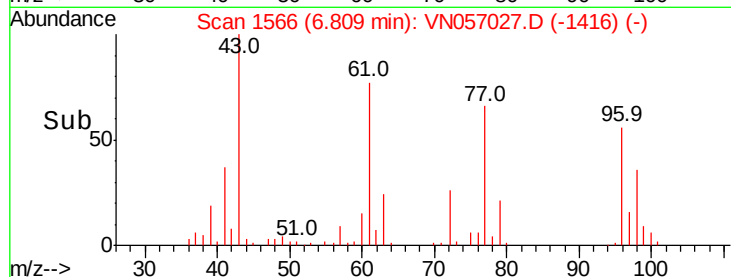
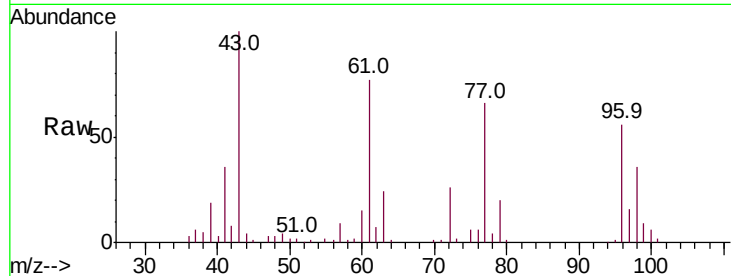
#31
 2,2-Dichloropropane
 Concen: 20.505 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion: 77 Resp: 110513
 Ion Ratio Lower Upper
 77 100
 97 25.0 19.3 28.9

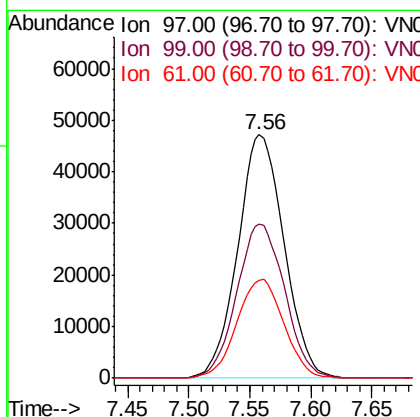
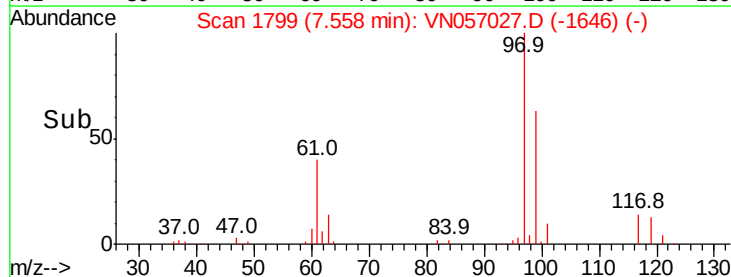
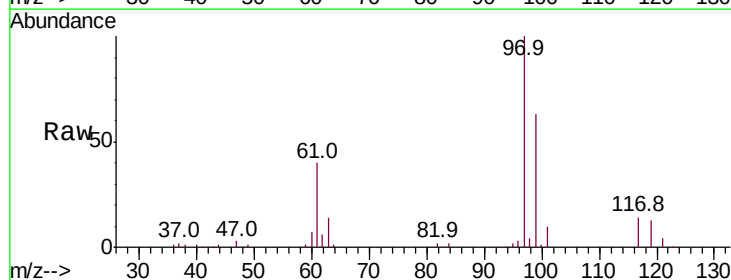
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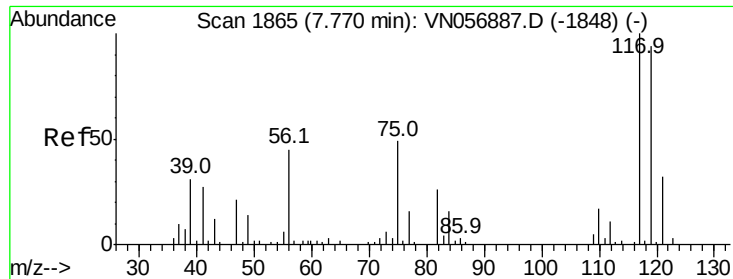
MMDadoda
 8/2/2019 11:17:50 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.421 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 97 Resp: 123932
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.3 78.5
 61 41.1 34.4 51.6





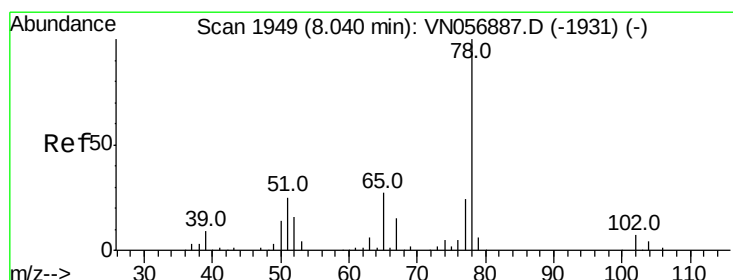
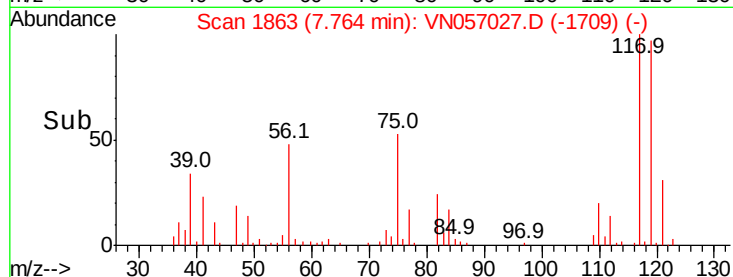
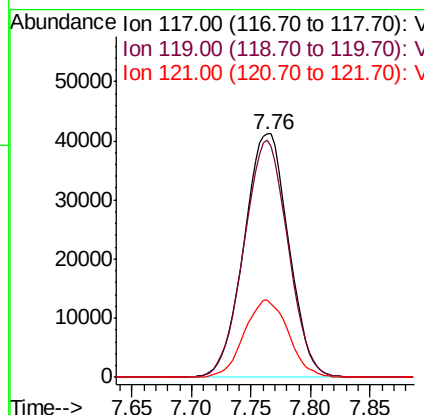
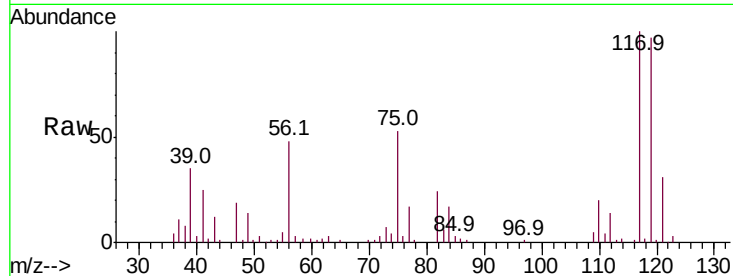
#33
Carbon Tetrachloride
Concen: 19.246 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.1	112.7
121	31.5	25.8	38.8

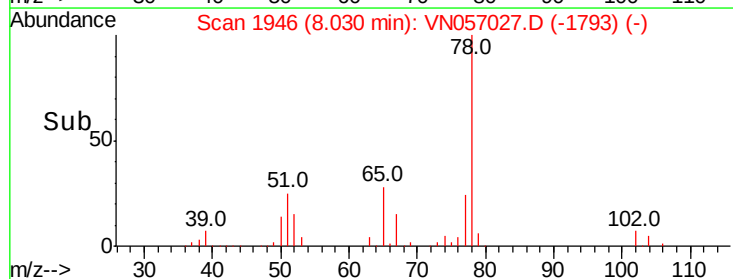
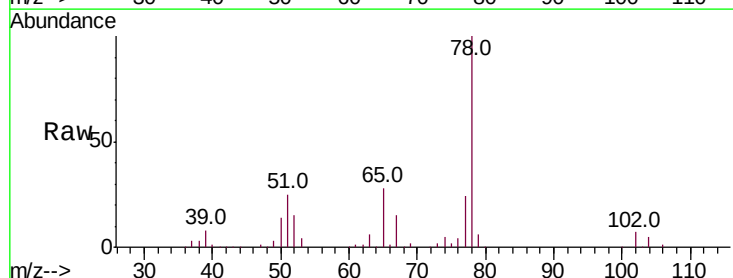
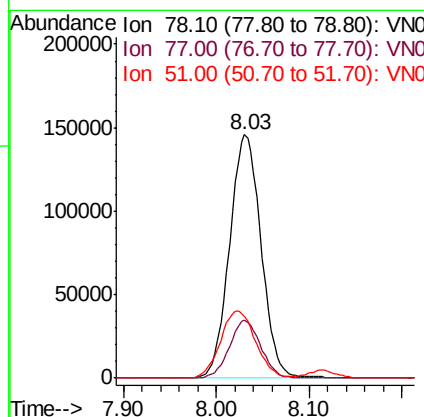
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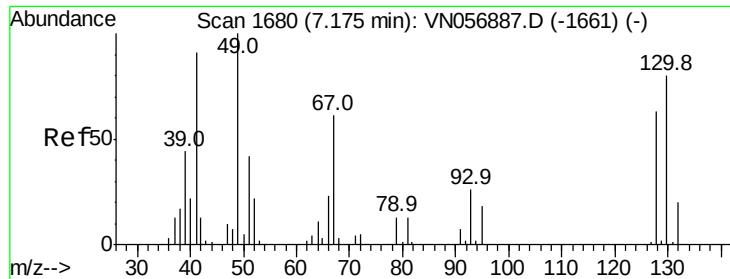
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#34
Benzene
Concen: 18.761 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.2
51	25.1	20.4	30.6





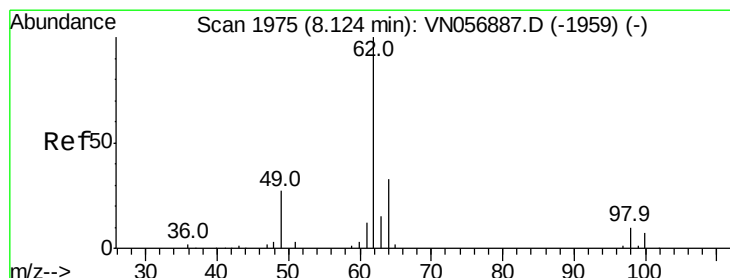
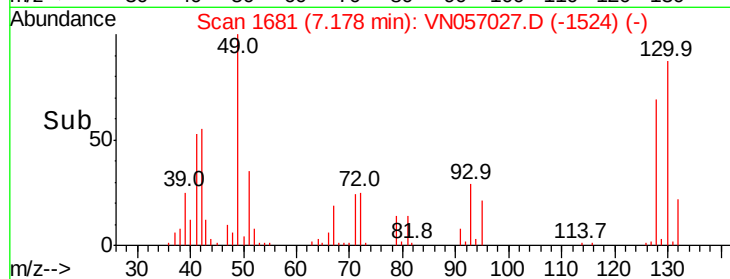
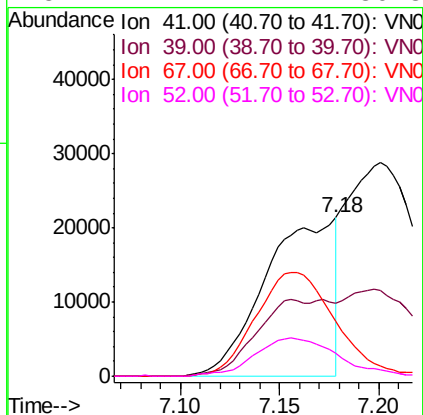
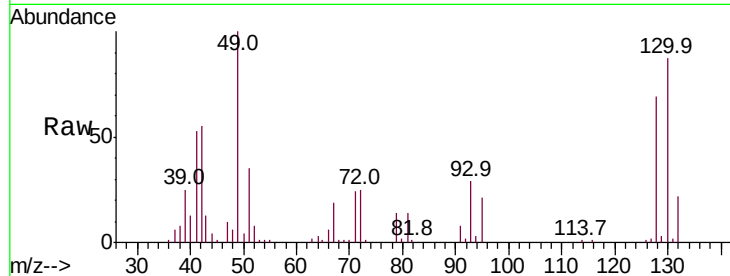
#35
Methacrylonitrile
Concen: 22.406 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.2	24.4	73.2
67	34.8	33.4	100.1
52	14.4	12.1	36.3

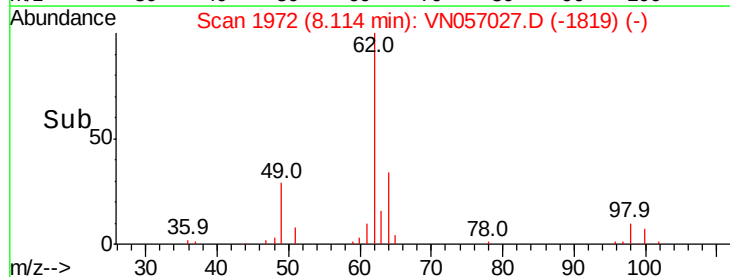
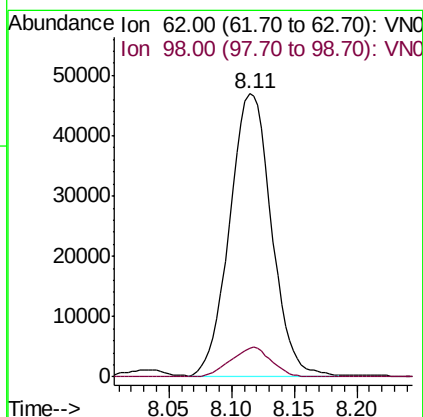
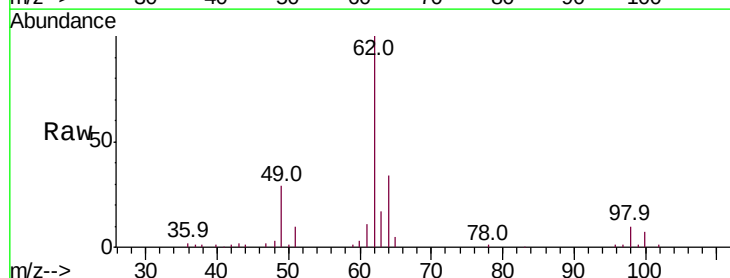
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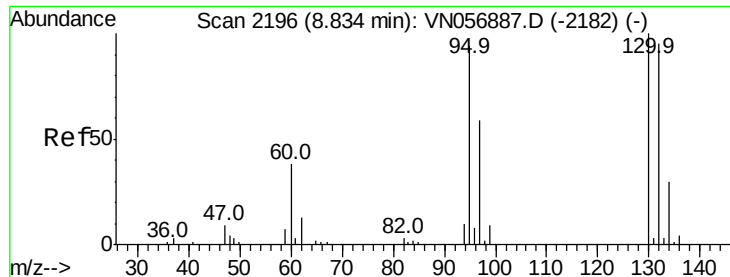
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#36
1,2-Dichloroethane
Concen: 19.096 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.7	11.5





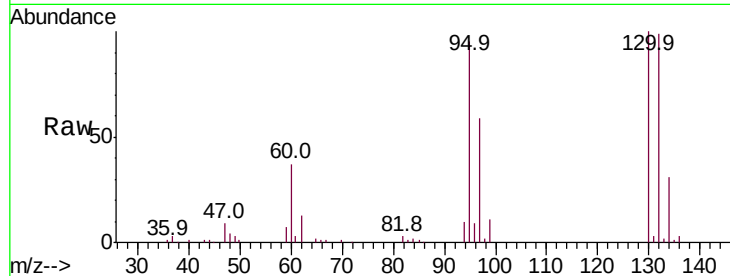
#37
 Trichloroethene
 Concen: 18.829 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBSD01

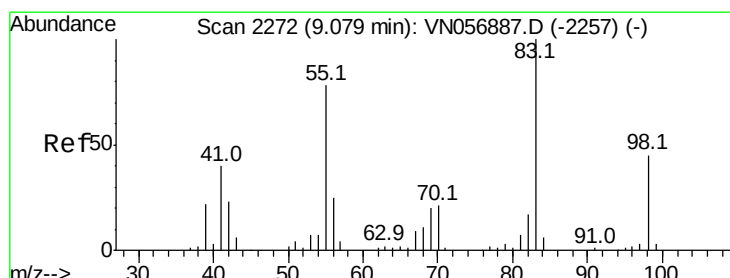
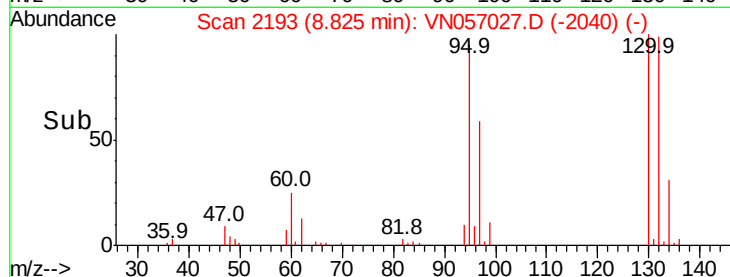
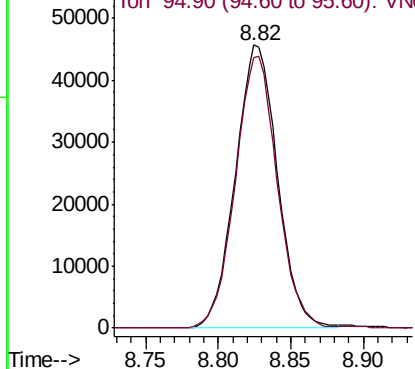
Tot Ion:130 Resp: 92377
 Ion Ratio Lower Upper
 130 100
 95 95.4 74.9 112.3

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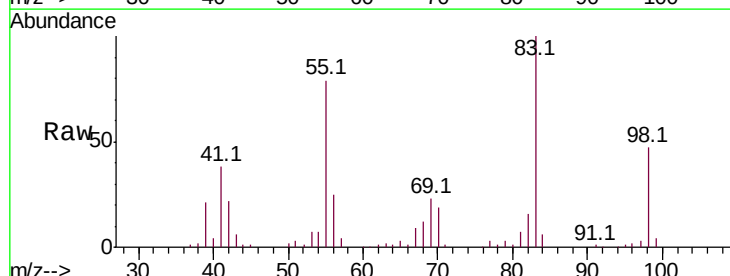


Abundance Ion 129.90 (129.60 to 130.60): VN056887.D (-2182) (-)
 Ion 94.90 (94.60 to 95.60): VN056887.D (-2182) (-)

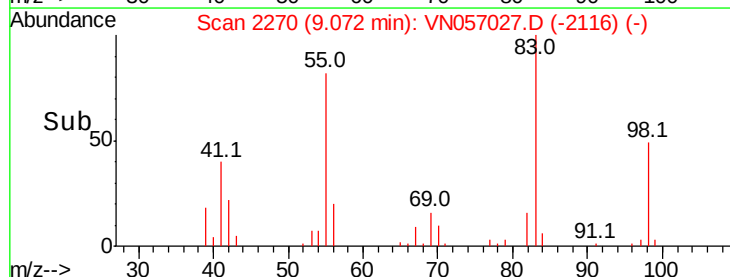
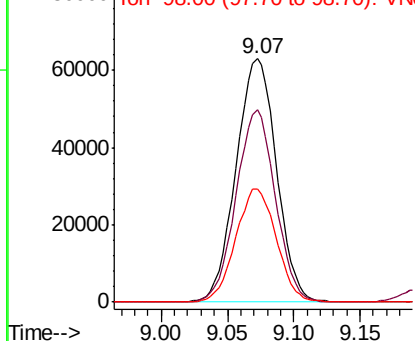


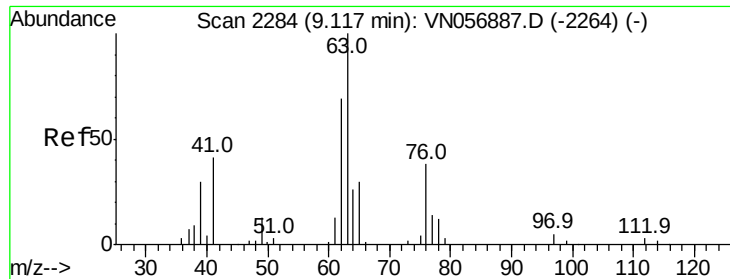
#38
 Methylcyclohexane
 Concen: 18.082 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion: 83 Resp: 133595
 Ion Ratio Lower Upper
 83 100
 55 76.6 38.4 115.1
 98 46.7 22.7 68.0



Abundance Ion 83.00 (82.70 to 83.70): VN056887.D (-2257) (-)
 Ion 55.00 (54.70 to 55.70): VN056887.D (-2257) (-)
 Ion 98.00 (97.70 to 98.70): VN056887.D (-2257) (-)





#39

1,2-Dichloropropane

Concen: 18.609 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VN0801WBSD01

Tot Ion: 63 Resp: 90902

Ion Ratio Lower Upper

63 100

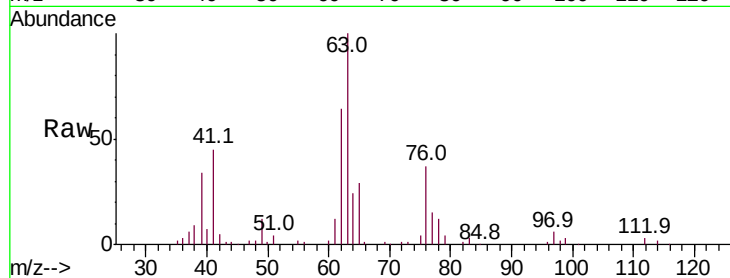
65 28.6 24.6 36.8

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.11

50000

40000

30000

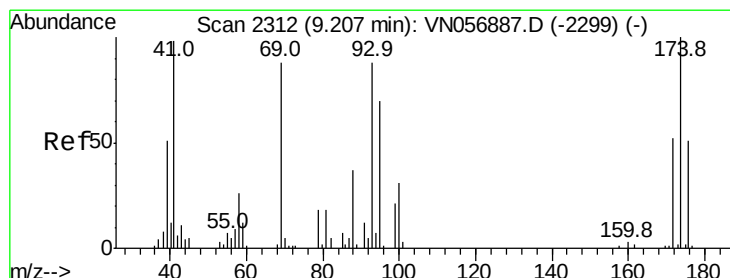
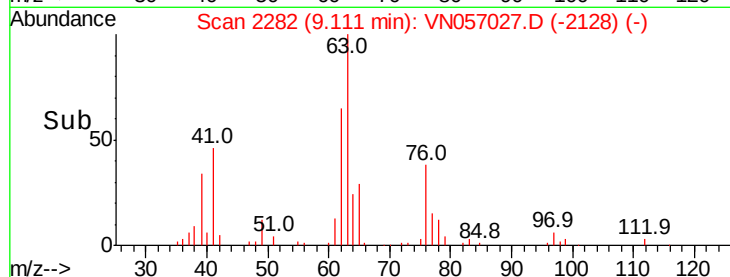
20000

10000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 19.643 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

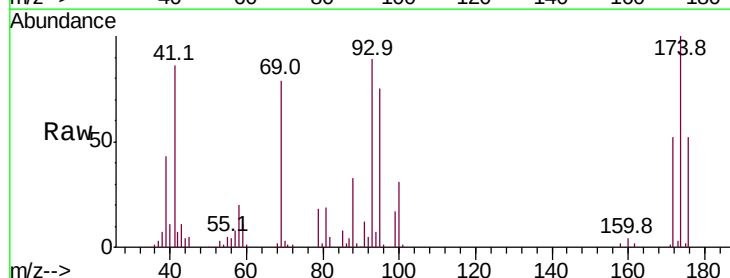
Tgt Ion: 93 Resp: 58861

Ion Ratio Lower Upper

93 100

95 81.9 0.0 165.8

174 113.6 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

40000

30000

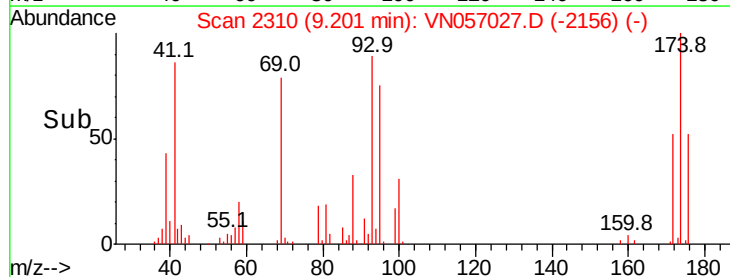
20000

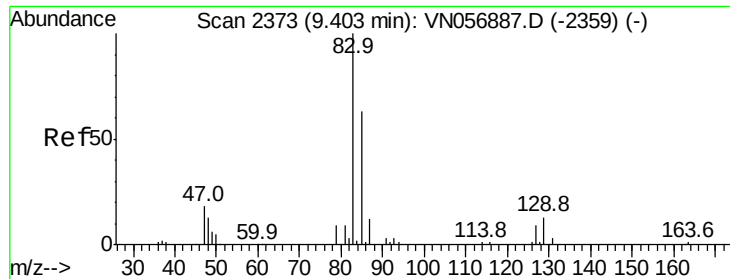
10000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#41

Bromodichloromethane

Concen: 18.998 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

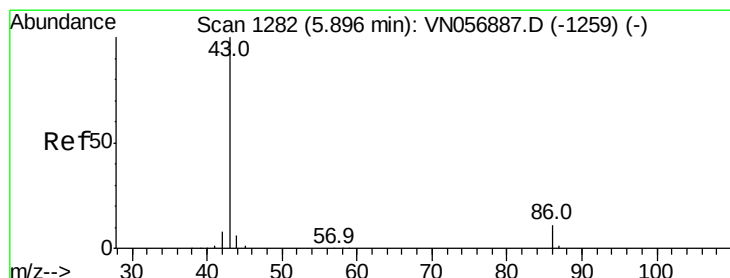
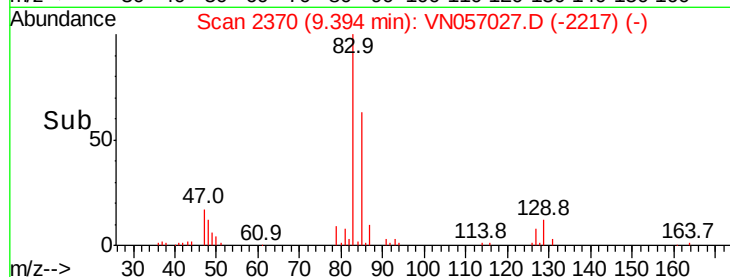
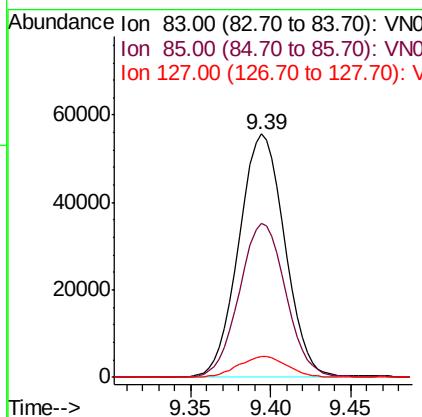
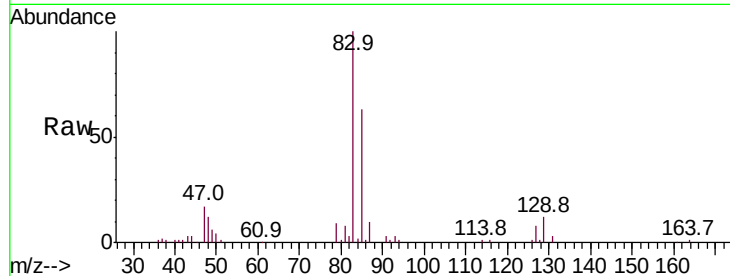
ClientSampled :

VN0801WBSD01

Tot Ion:	83	Resp:	109392
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.6	75.8
127	8.4	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 89.707 ug/l

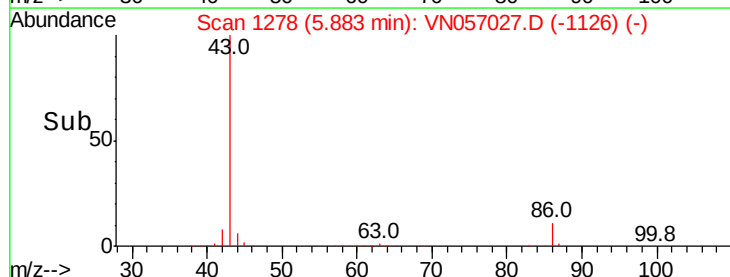
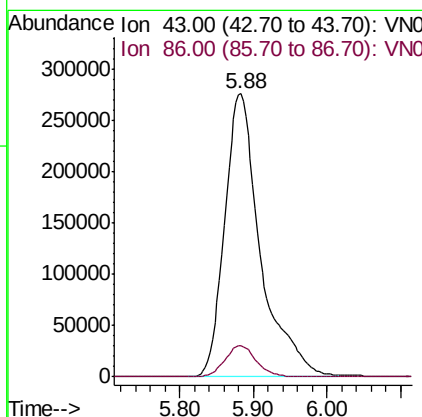
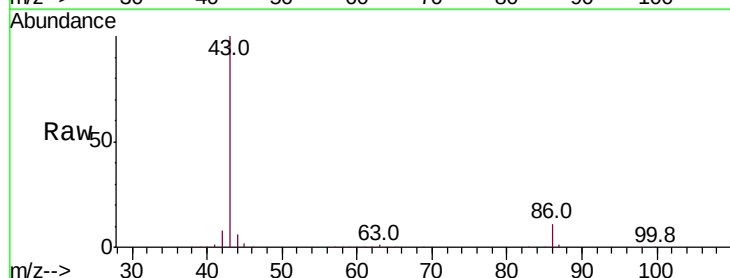
RT: 5.88 min Scan# 1278

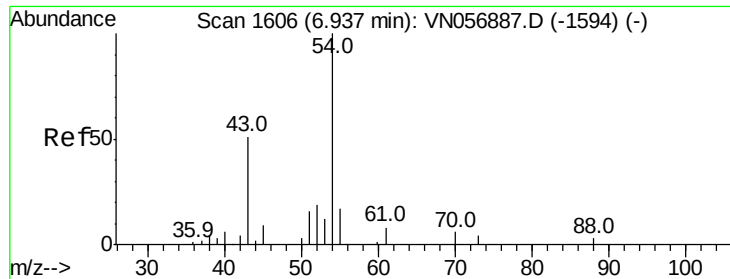
Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion:	43	Resp:	932184
Ion Ratio	Lower	Upper	
43	100		
86	9.7	7.4	11.2





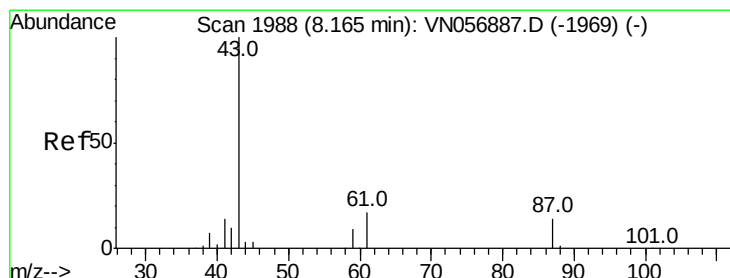
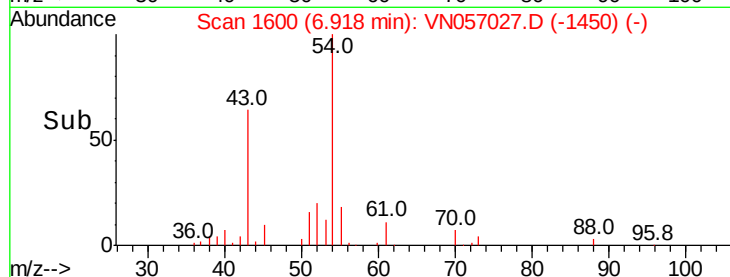
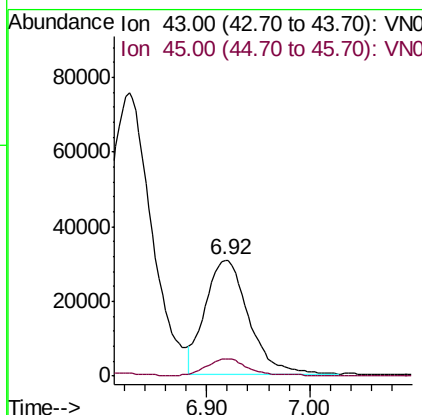
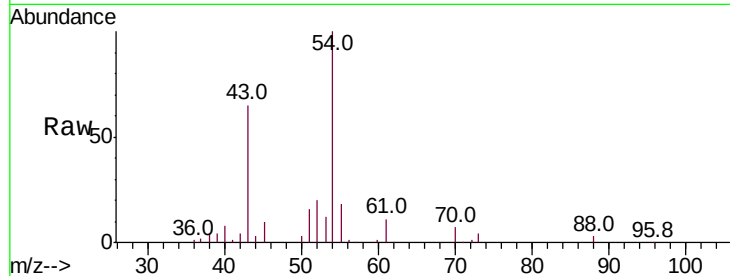
#43
Ethyl Acetate
Concen: 18.780 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion: 43 Resp: 89836
Ion Ratio Lower Upper
43 100
45 14.6 10.2 15.2

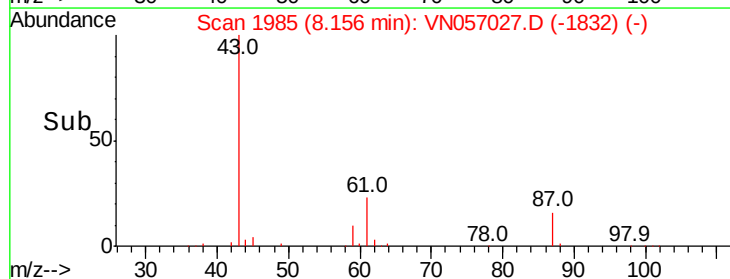
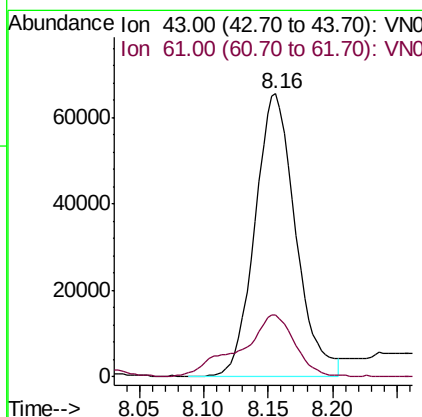
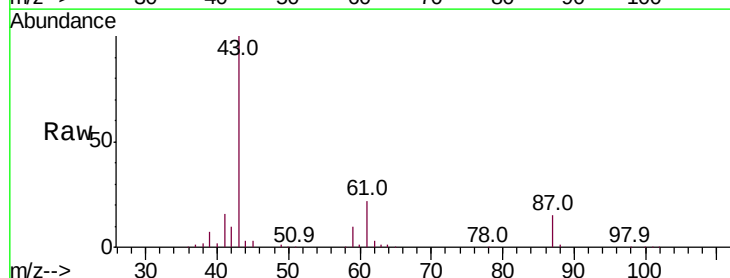
Manual Integrations
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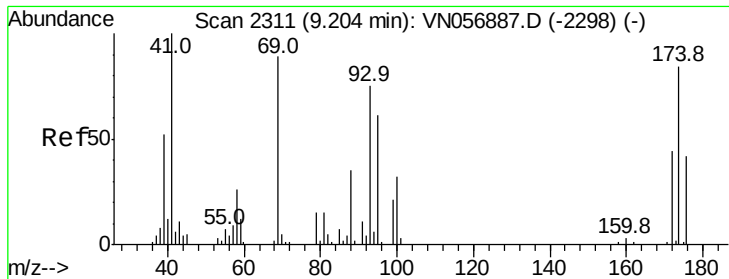
MMDadoda
8/2/2019 11:17:50 AM



#44
Isopropyl Acetate
Concen: 18.128 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 43 Resp: 144543
Ion Ratio Lower Upper
43 100
61 28.6 23.0 34.4





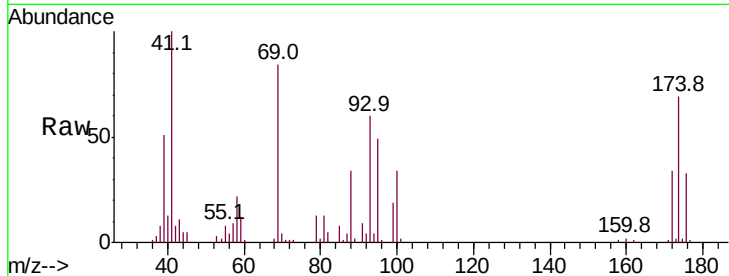
#45
 1,4-Dioxane
 Concen: 370.356 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion	88	Resp	28113
Ion	Ratio	Lower	Upper
88	100		
43	29.7	23.4	35.0
58	65.3	58.5	87.7

Manual Integrations
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MMDadoda
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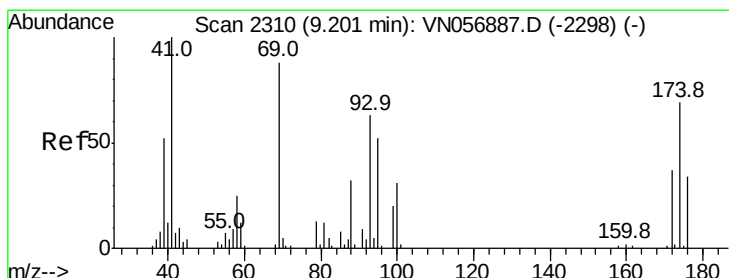
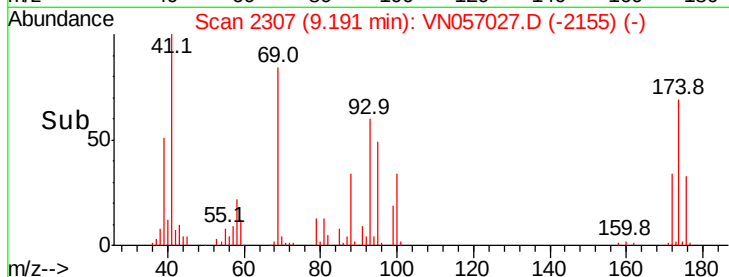
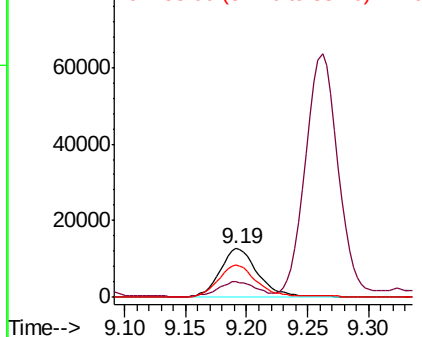


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 17.499 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

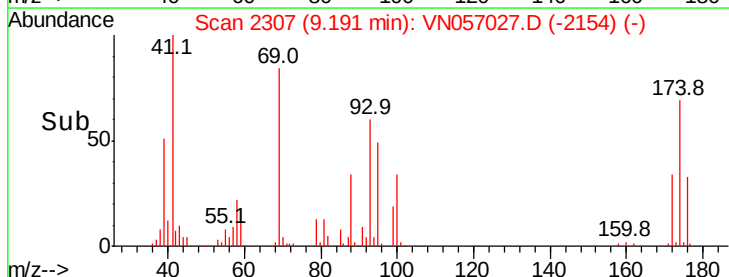
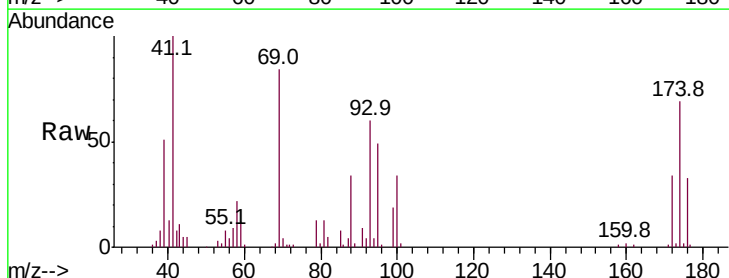
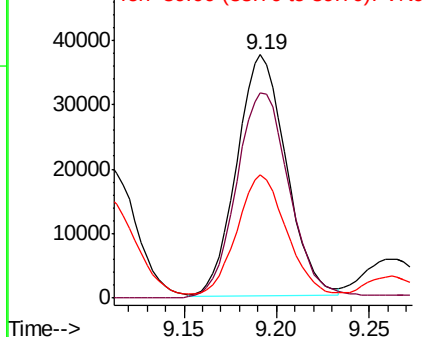
Tgt Ion	41	Resp	69608
Ion	Ratio	Lower	Upper
41	100		
69	84.8	44.0	132.0
39	49.6	25.8	77.4

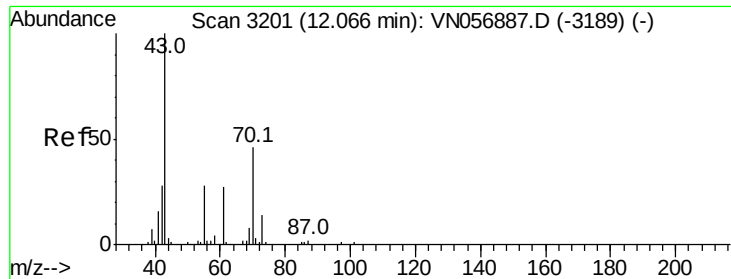
Abundance

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





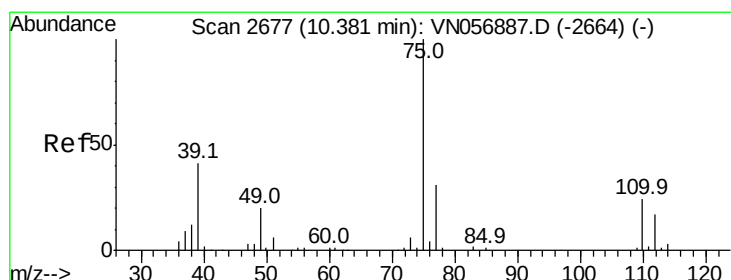
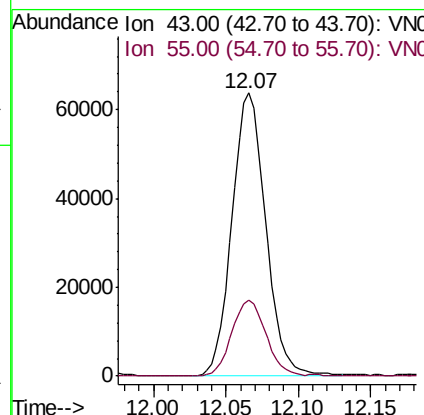
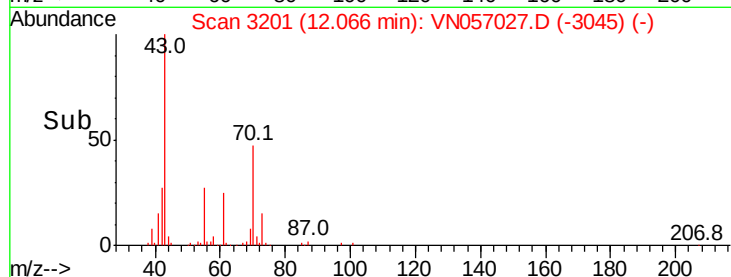
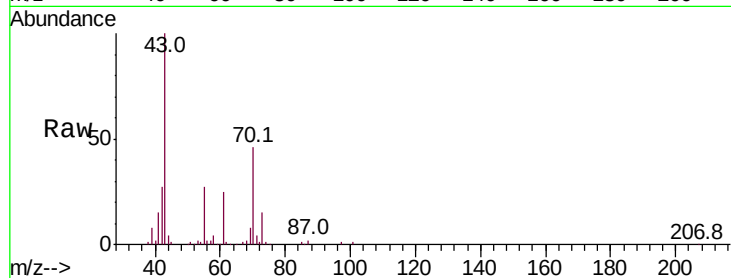
#47
n-amvl Acetate
Concen: 16.196 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion: 43 Resp: 103376
Ion Ratio Lower Upper
43 100
55 27.1 21.3 31.9

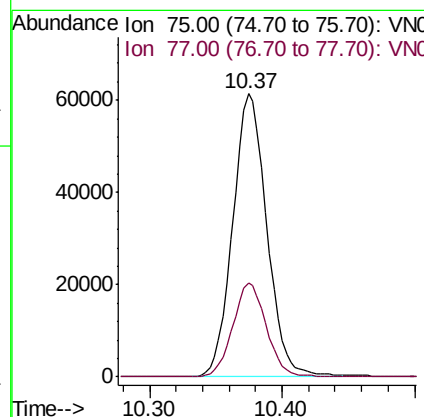
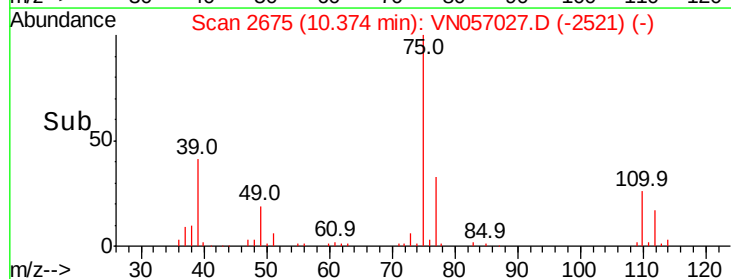
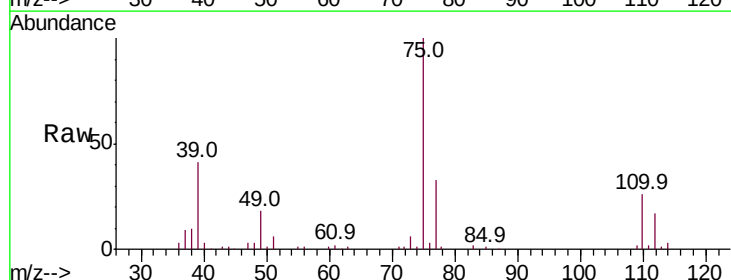
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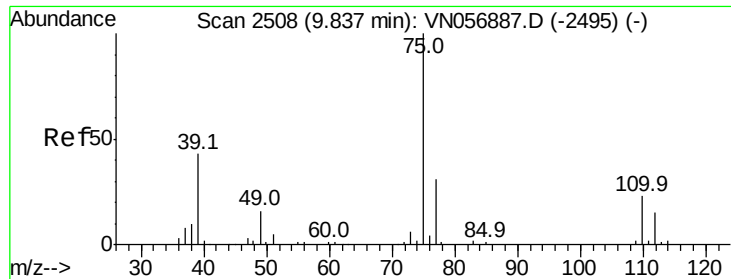
MMDadoda
8/2/2019 11:17:50 AM



#48
t-1,3-Dichloropropene
Concen: 18.313 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion: 75 Resp: 109730
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0





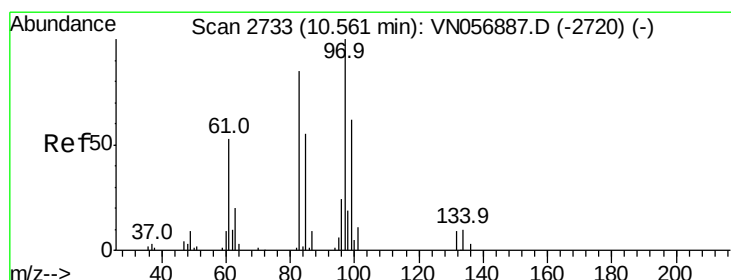
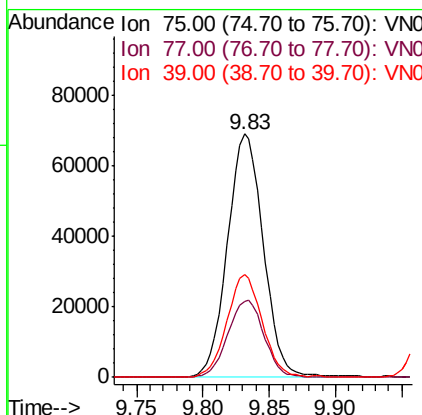
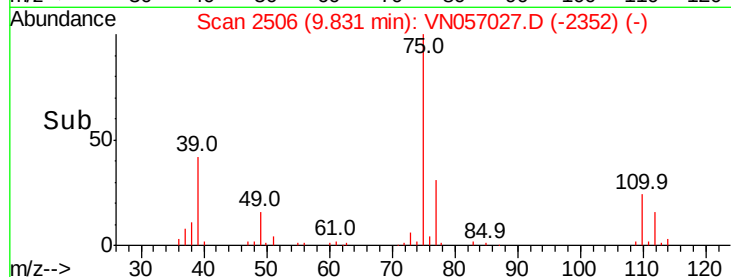
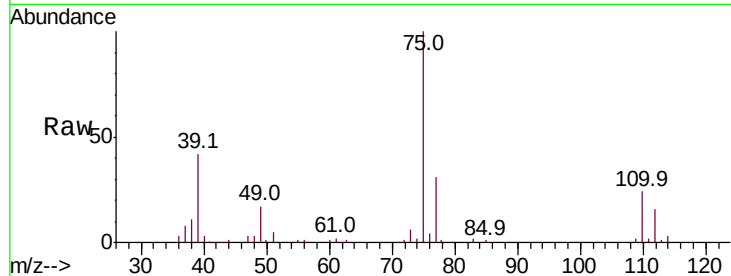
#49
 cis-1,3-Dichloropropene
 Concen: 18.586 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6
39	42.2	34.2	51.4

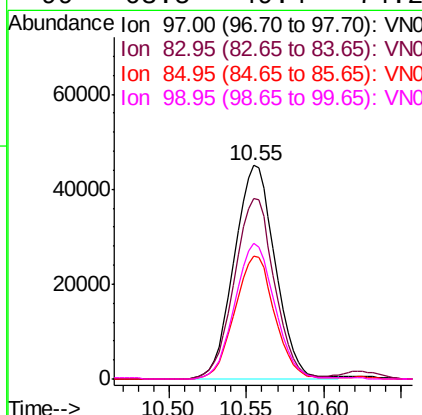
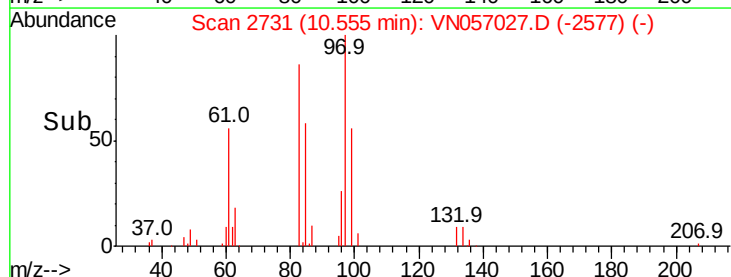
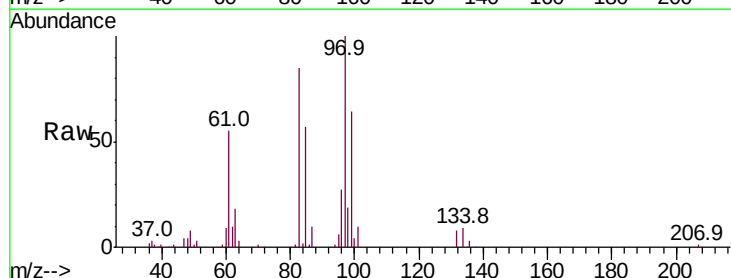
Manual Integrations
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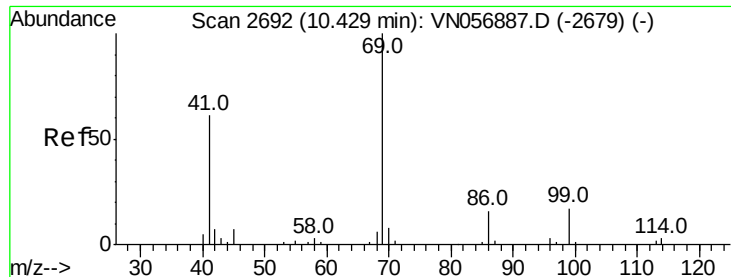
MMDadoda
 8/2/2019 11:17:50 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.310 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.4	102.6
85	57.5	44.3	66.5
99	63.5	49.4	74.2





#51

Ethyl methacrylate

Concen: 17.788 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

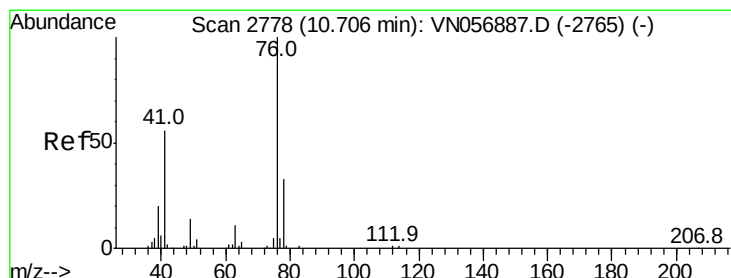
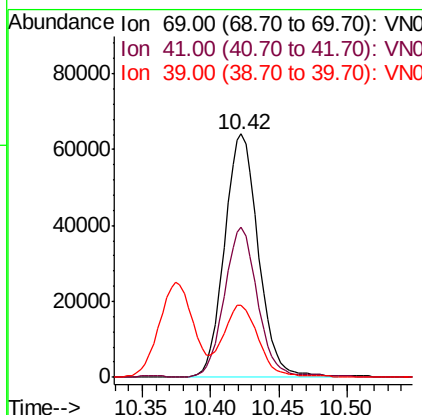
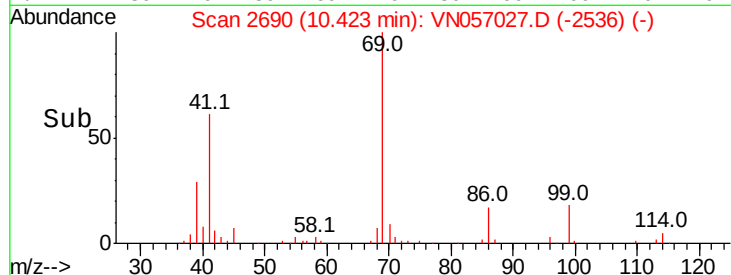
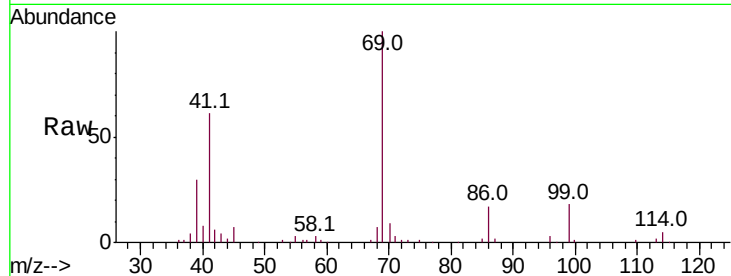
ClientSampled :

VN0801WBSD01

Tot Ion:	69	Resp:	110694
Ion Ratio	Lower	Upper	
69	100		
41	61.1	30.4	91.3
39	29.6	14.2	42.6

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#52

1,3-Dichloropropane

Concen: 18.861 ug/l

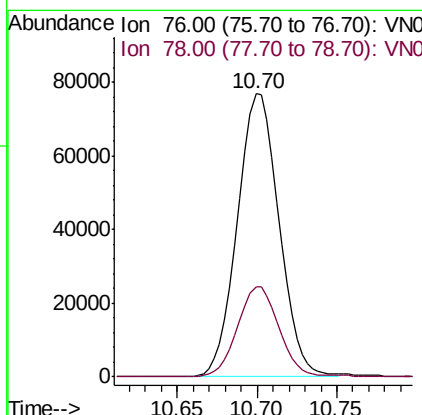
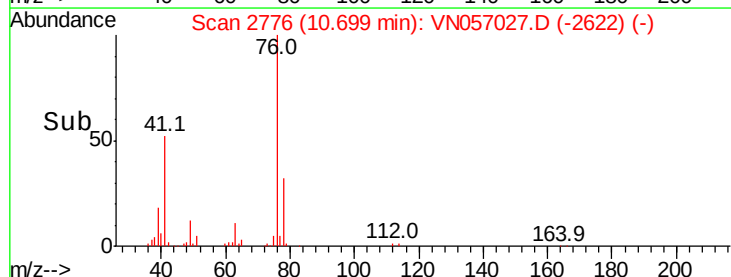
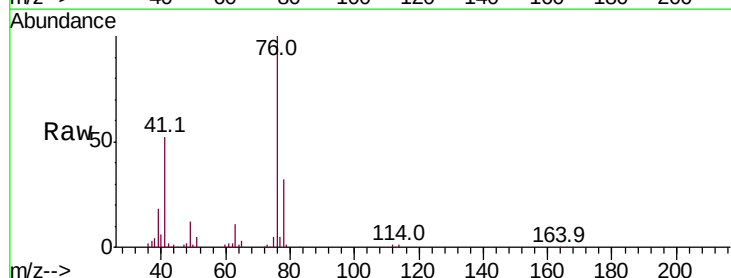
RT: 10.70 min Scan# 2776

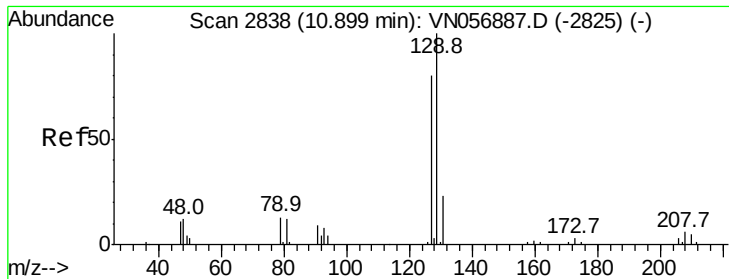
Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion:	76	Resp:	136950
Ion Ratio	Lower	Upper	
76	100		
78	31.5	0.0	64.2





#53

Dibromochloromethane

Concen: 18.914 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VN0801WBSD01

Tot Ion:129 Resp: 84583

Ion Ratio Lower Upper

129 100

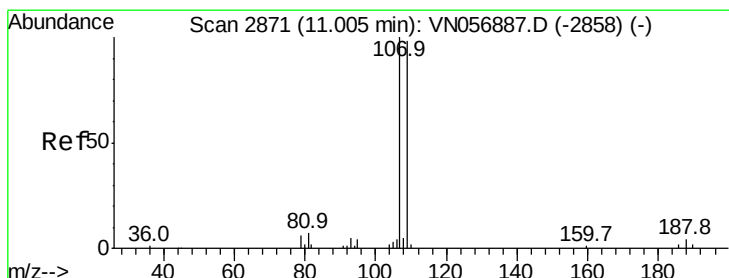
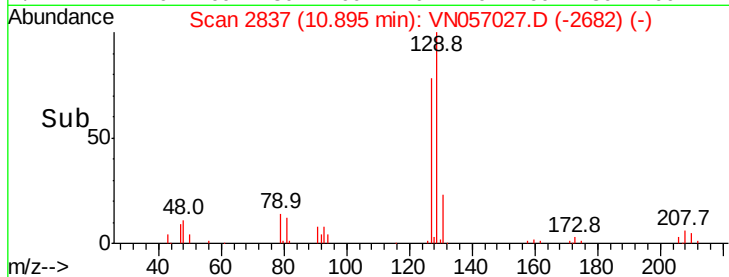
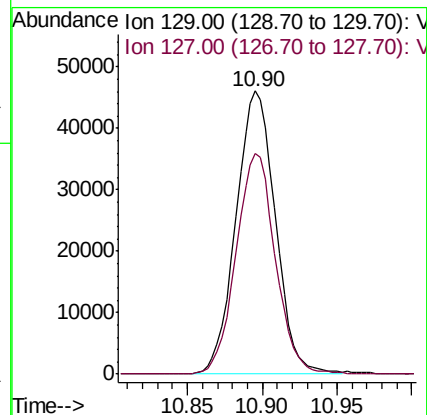
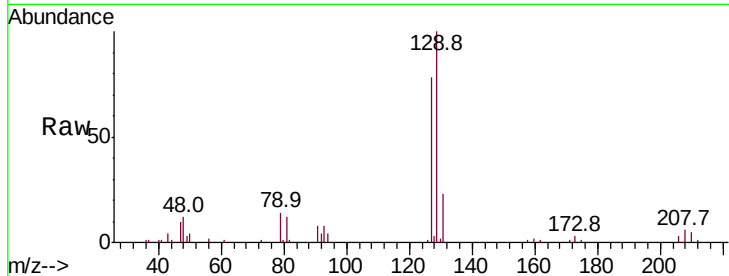
127 77.7 38.8 116.4

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.119 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.01 min

Lab File: VN057027.D

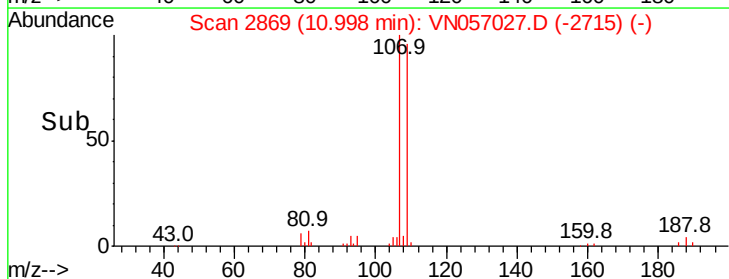
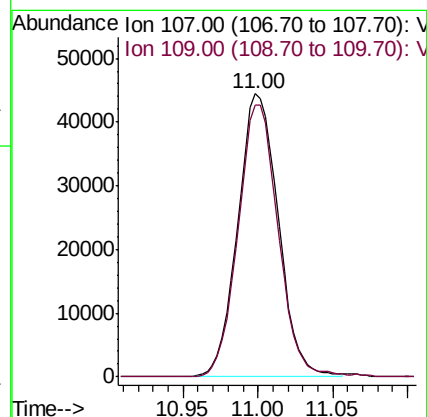
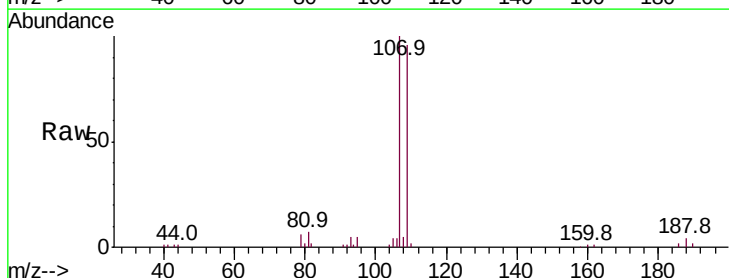
Acq: 1 Aug 2019 10:59

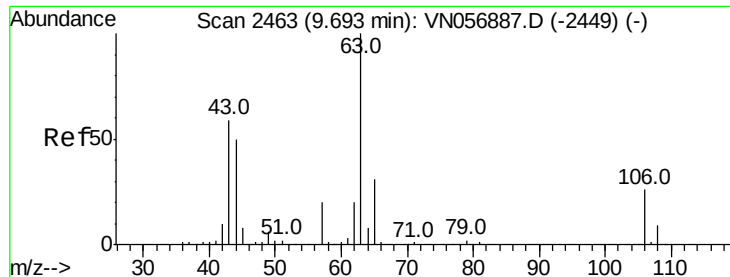
Tgt Ion:107 Resp: 83916

Ion Ratio Lower Upper

107 100

109 95.1 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 78.988 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

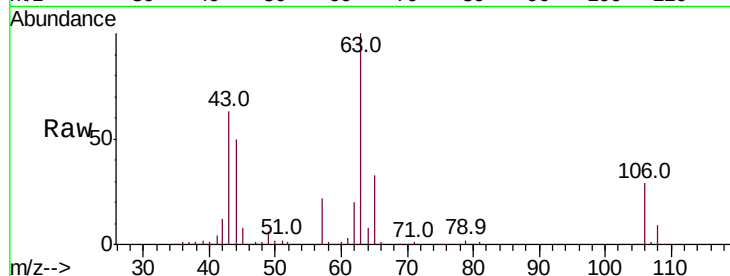
ClientSampleId :

VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.1	37.7
106	28.8	21.5	32.3

Manual Integrations
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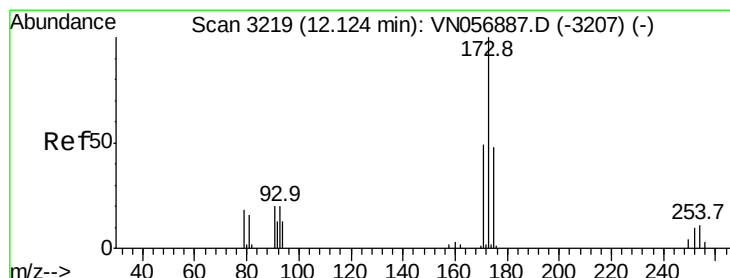
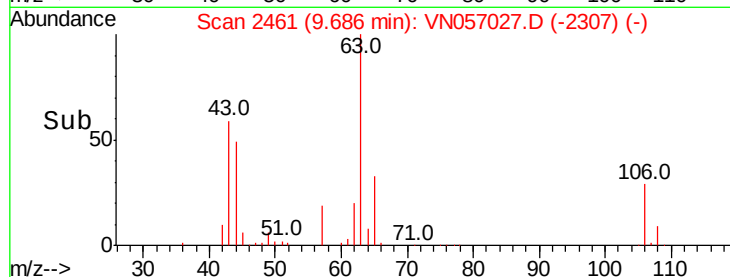
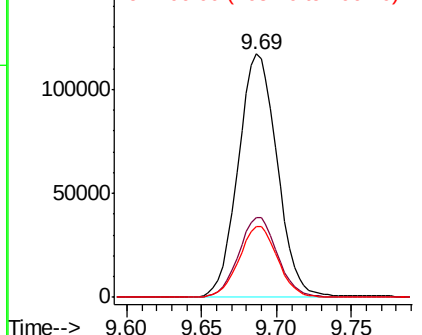


Abundance

Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)



#56

Bromoform

Concen: 18.526 ug/l

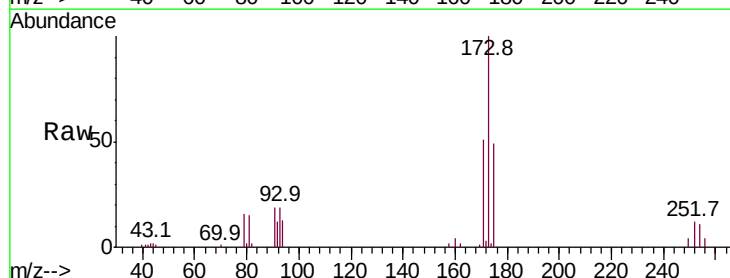
RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.8	58.2
254	9.5	8.1	12.1

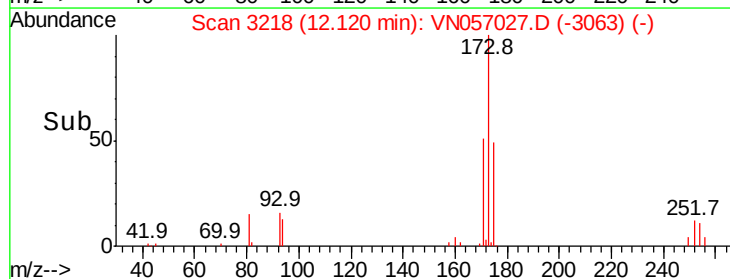
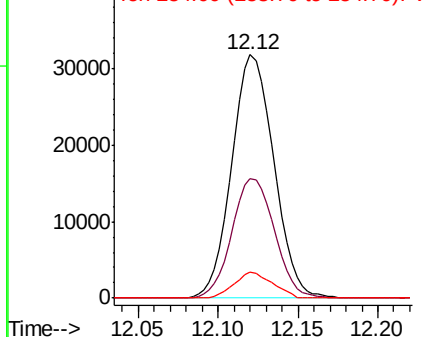


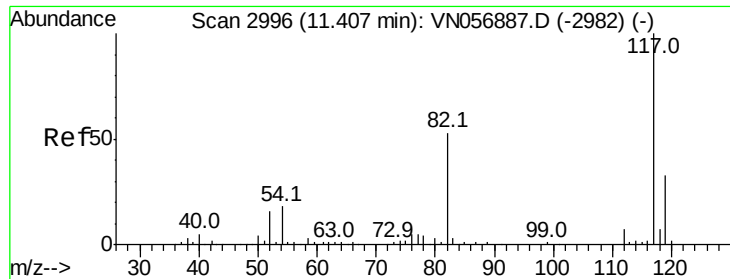
Abundance

Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)





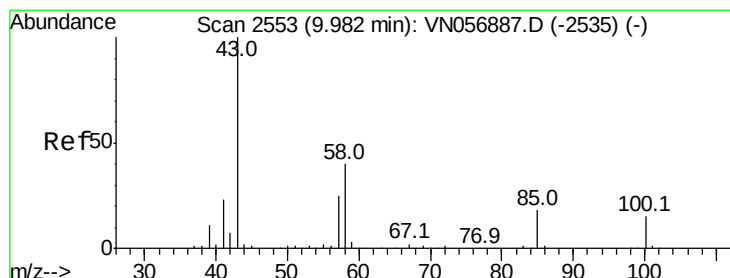
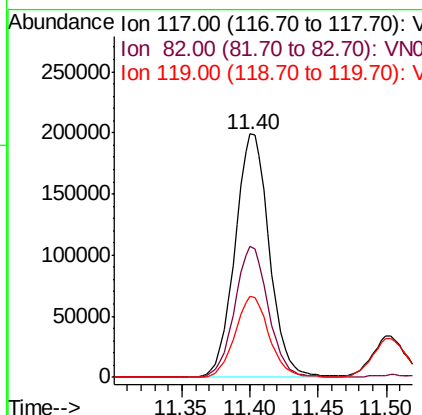
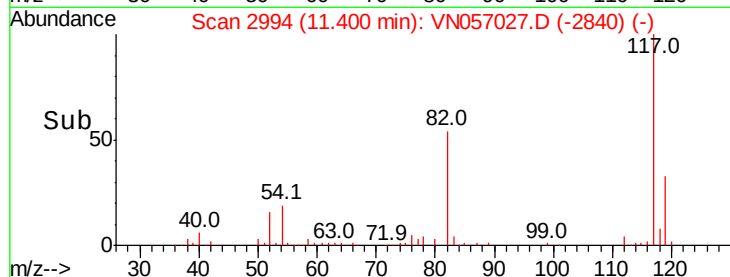
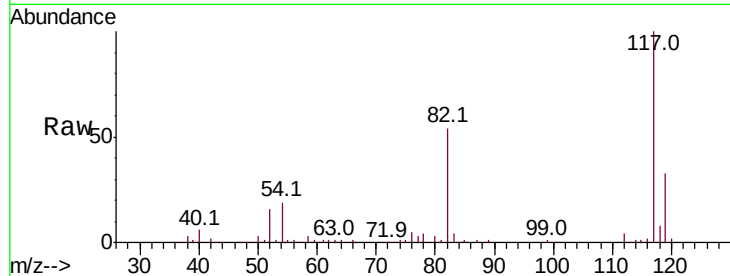
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.0	64.4
119	32.9	26.2	39.2

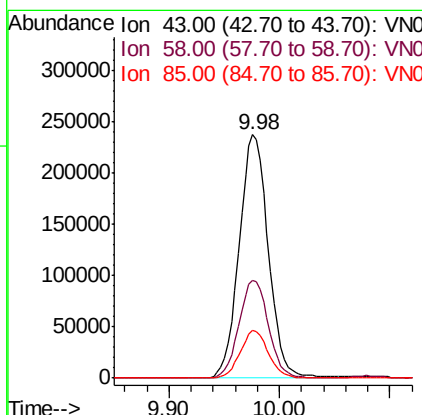
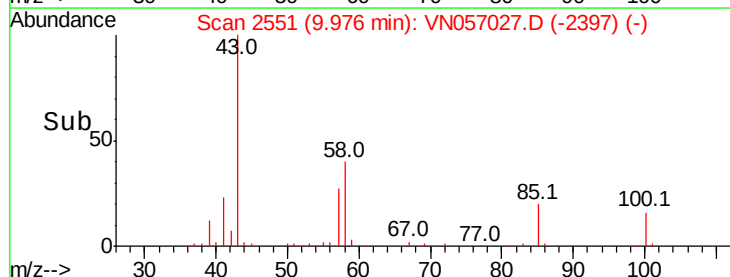
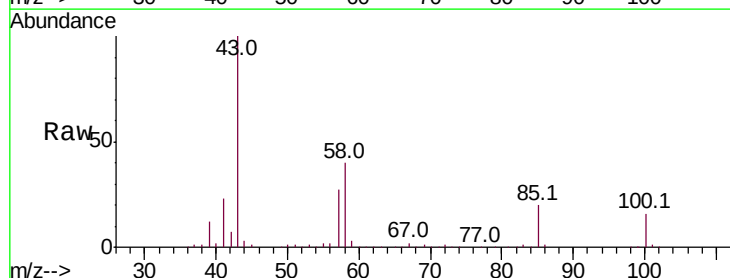
Manual Integrations
APPROVED

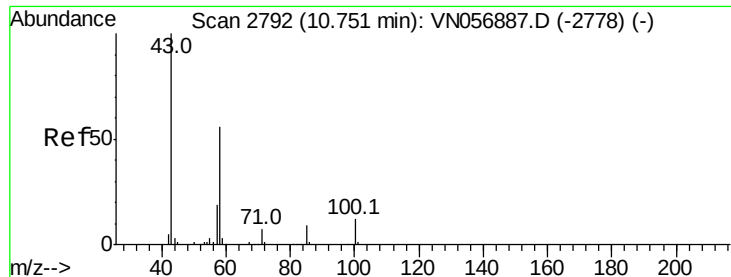
MMDadoda
8/2/2019 11:17:50 AM



#58
4-Methyl-2-Pentanone
Concen: 92.930 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.01 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.7	47.5
85	19.0	14.5	21.7





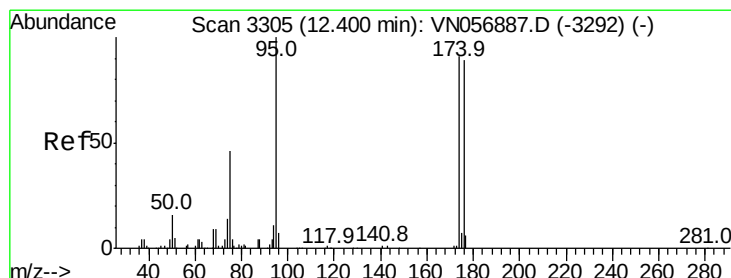
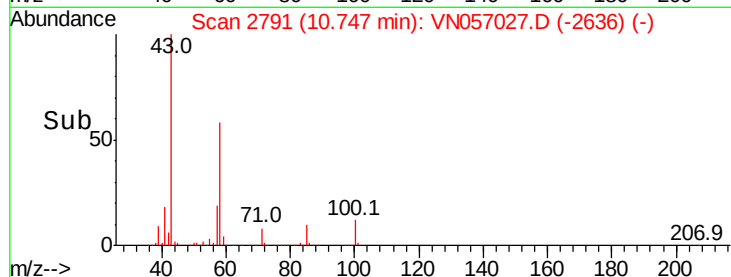
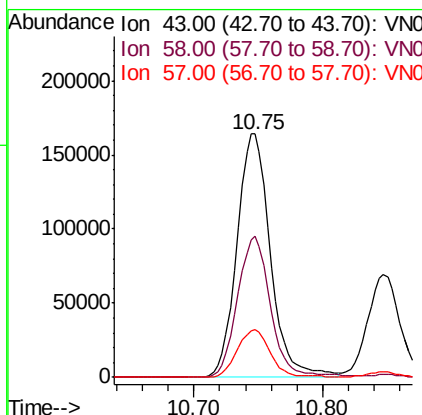
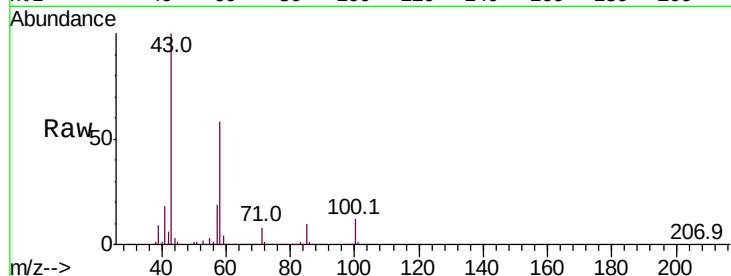
#59
2-Hexanone
Concen: 93.128 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	45.0	67.4
57	19.5	15.4	23.0

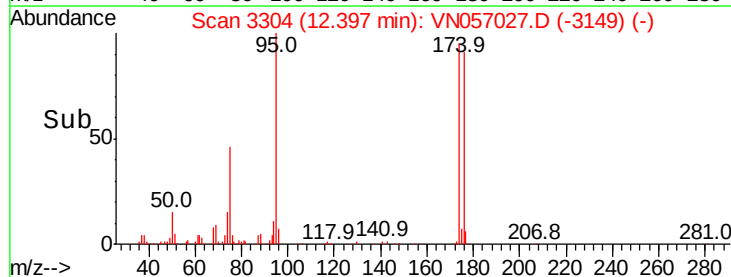
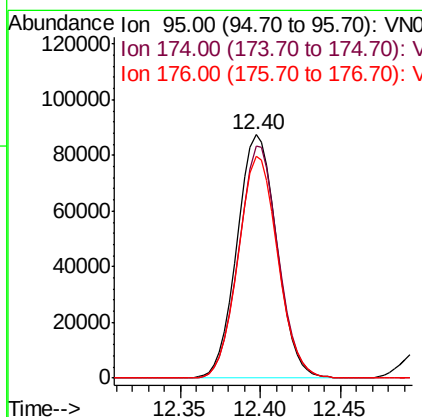
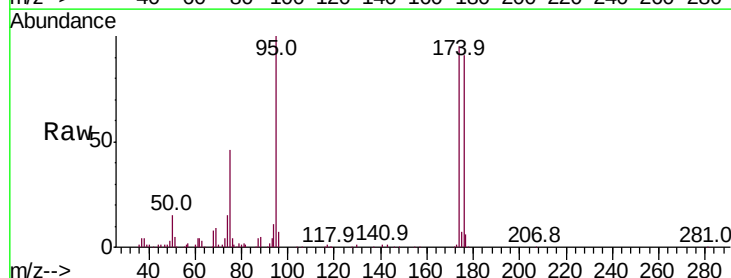
Manual Integrations
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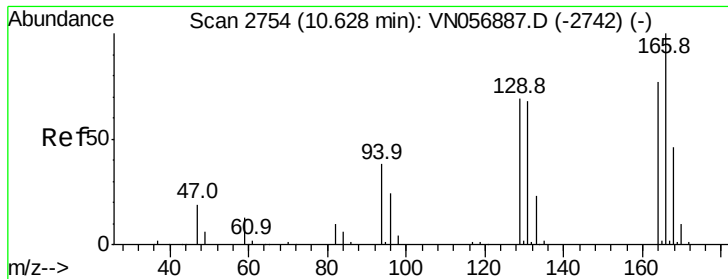
MMDadoda
8/2/2019 11:17:50 AM



#60
4-Bromofluorobenzene
Concen: 28.449 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	71.9	107.9
176	90.8	69.8	104.8





#61

Tetrachloroethene

Concen: 20.393 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion:164 Resp: 99192

Ion Ratio Lower Upper

164 100

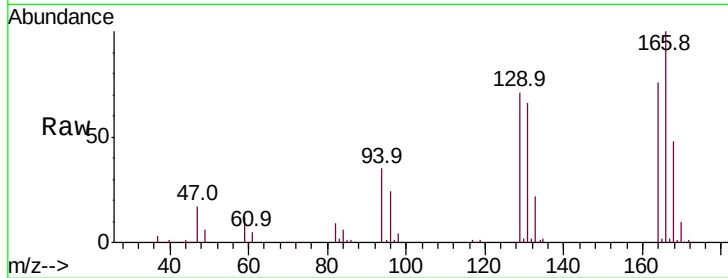
166 130.8 103.9 155.9

129 92.4 72.4 108.6

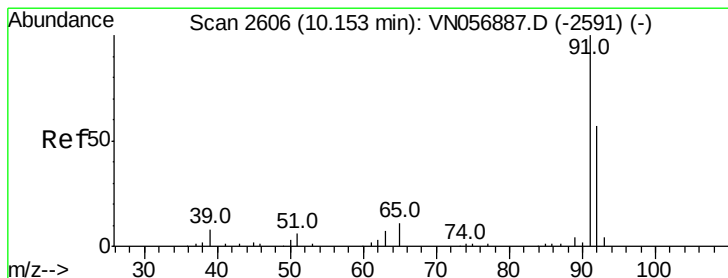
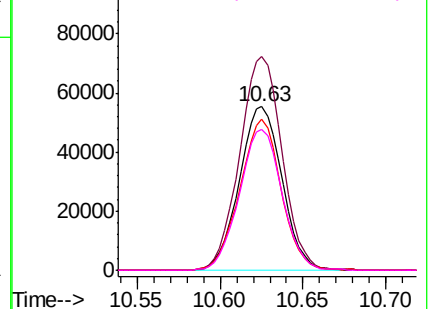
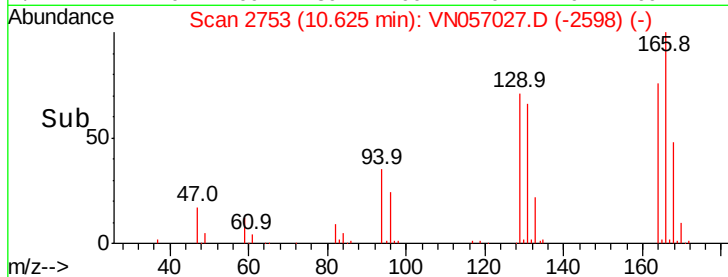
131 86.0 70.3 105.5

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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.453 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN057027.D

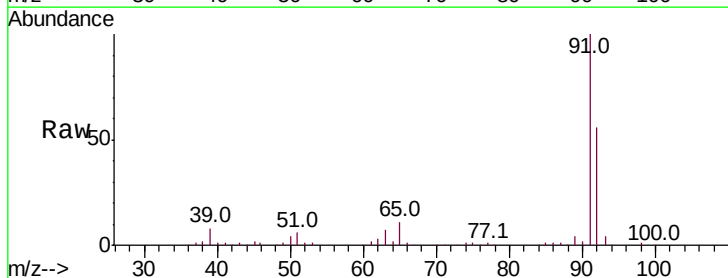
Acq: 1 Aug 2019 10:59

Tgt Ion: 91 Resp: 367197

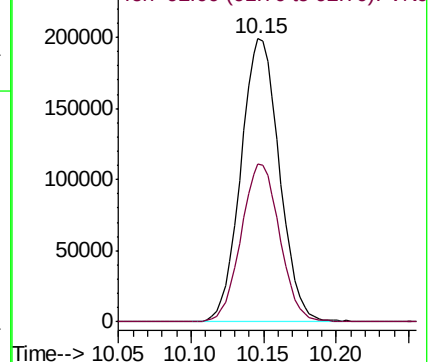
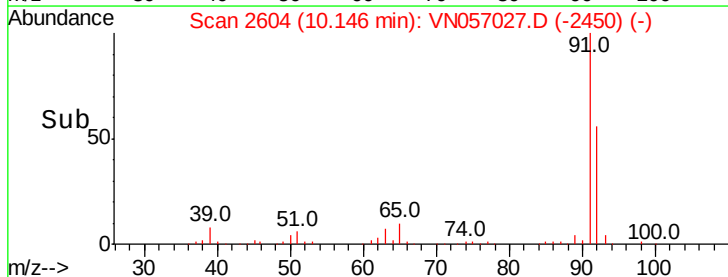
Ion Ratio Lower Upper

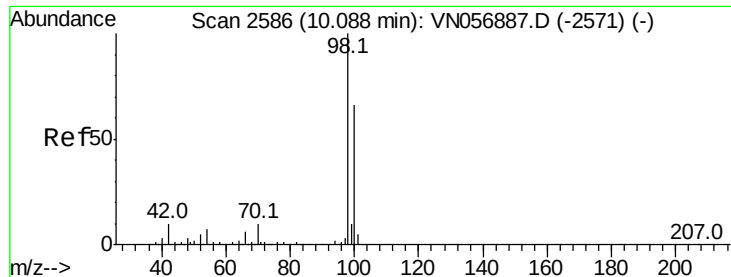
91 100

92 55.9 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.892 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion: 98 Resp: 506457

Ion Ratio Lower Upper

98 100

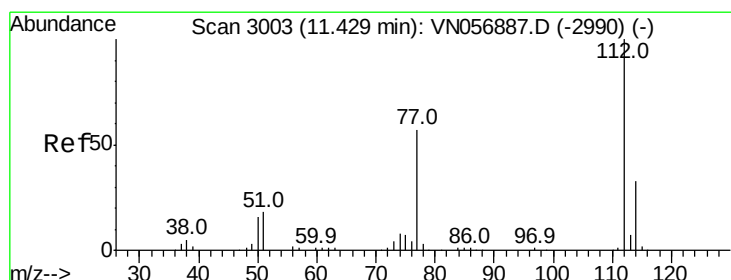
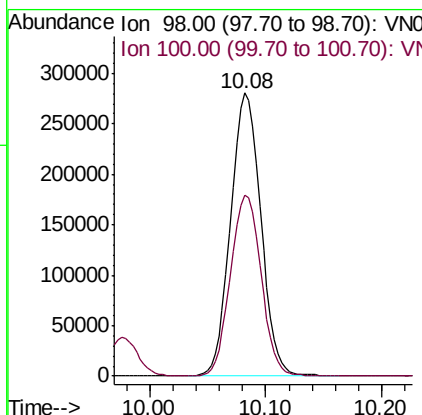
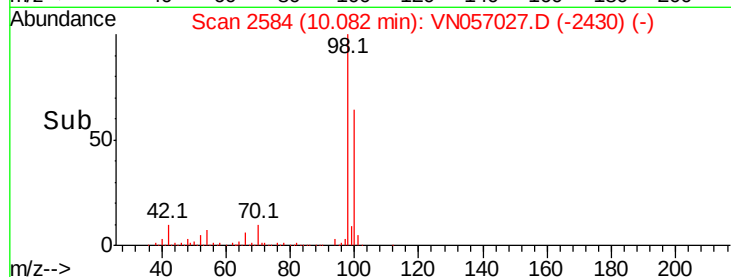
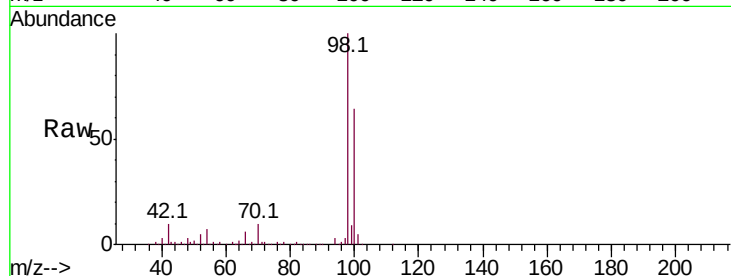
100 64.5 51.4 77.2

Manual Integrations

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#64

Chlorobenzene

Concen: 19.227 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057027.D

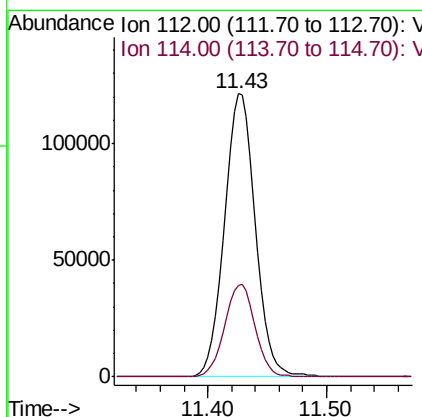
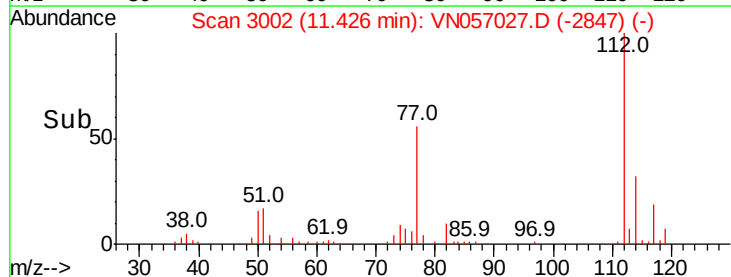
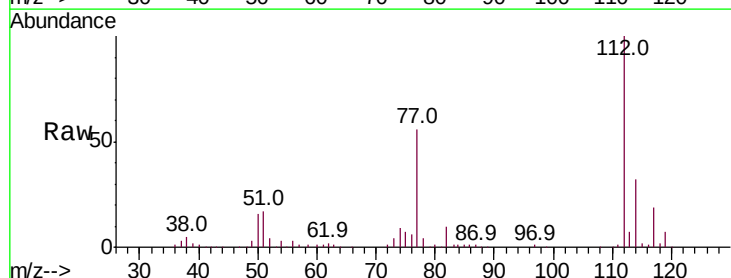
Acq: 1 Aug 2019 10:59

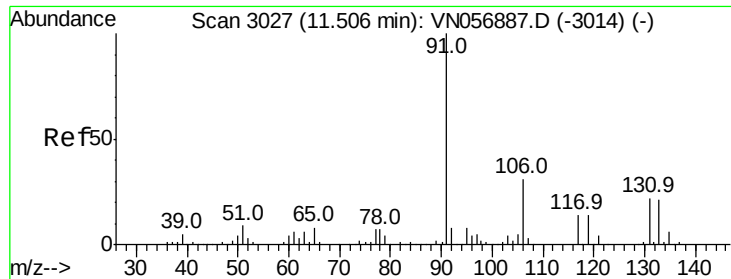
Tgt Ion: 112 Resp: 218611

Ion Ratio Lower Upper

112 100

114 32.3 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.560 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

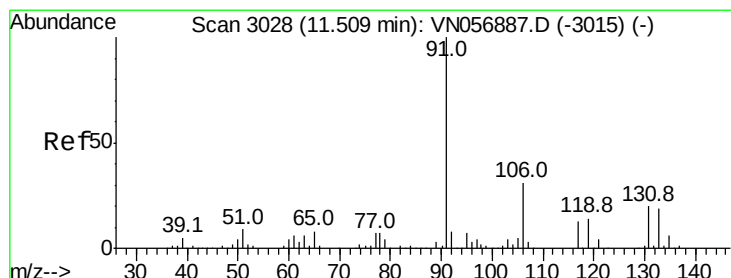
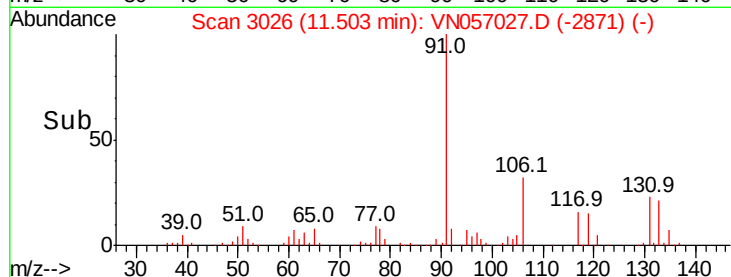
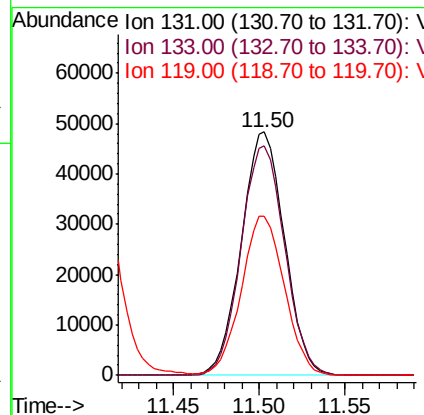
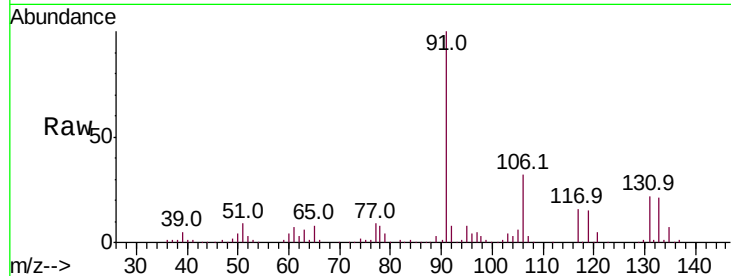
ClientSampleId :

VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	189.6
119	65.6	0.0	133.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.731 ug/l

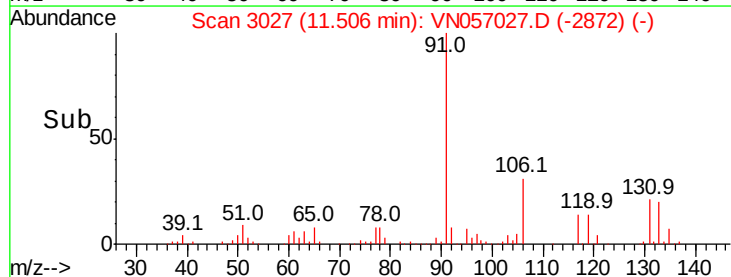
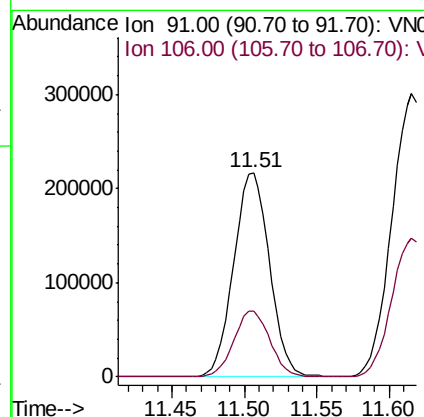
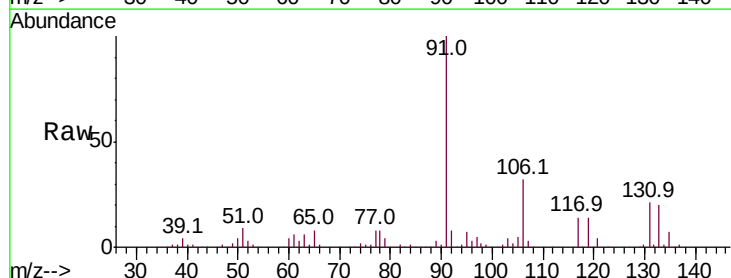
RT: 11.51 min Scan# 3027

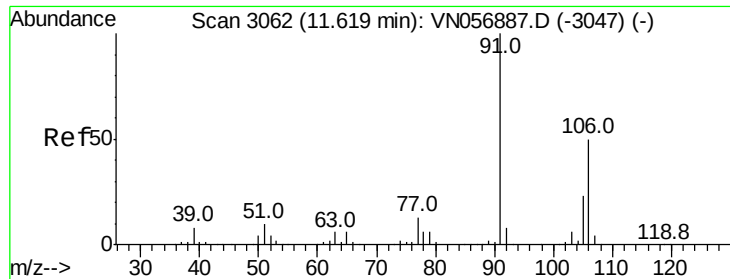
Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.9	37.3





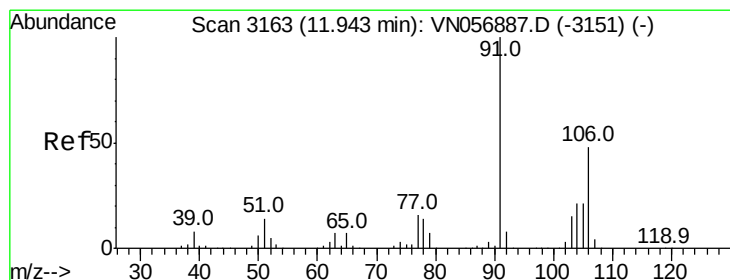
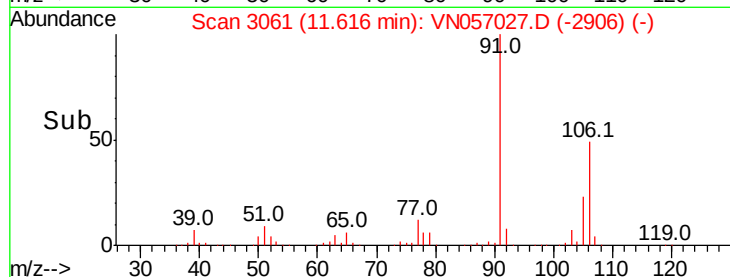
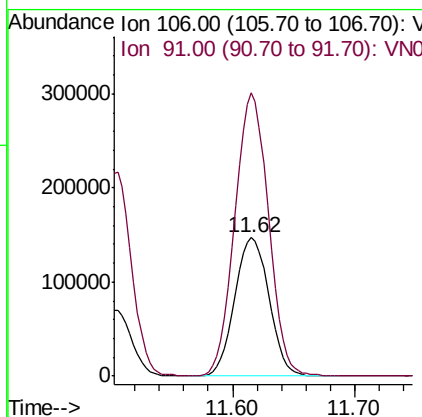
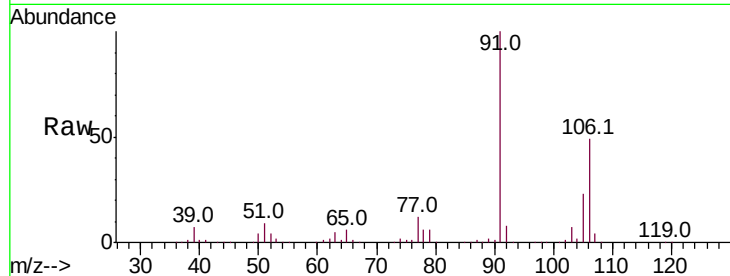
#67
m/p-Xylenes
Concen: 38.687 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion:106 Resp: 286954
Ion Ratio Lower Upper
106 100
91 200.8 160.6 240.8

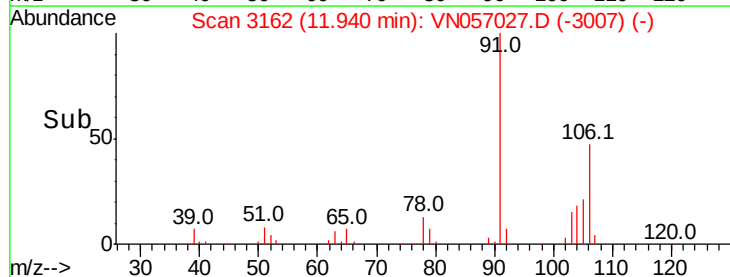
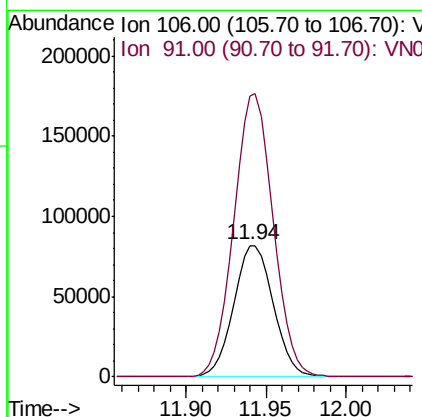
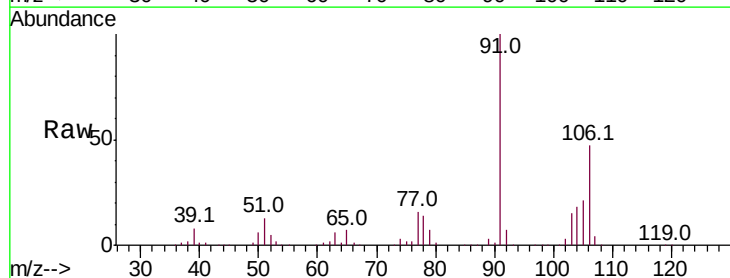
Manual Integrations
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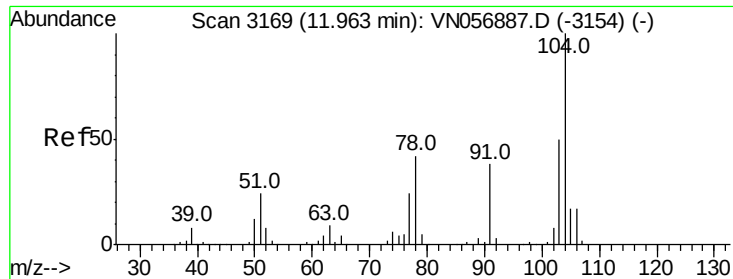
MMDadoda
8/2/2019 11:17:50 AM



#68
o-Xylene
Concen: 18.949 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion:106 Resp: 138192
Ion Ratio Lower Upper
106 100
91 214.1 106.2 318.6





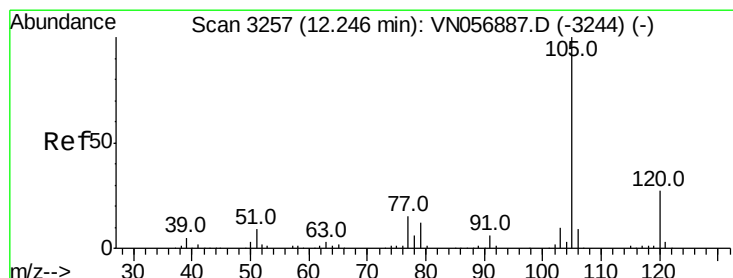
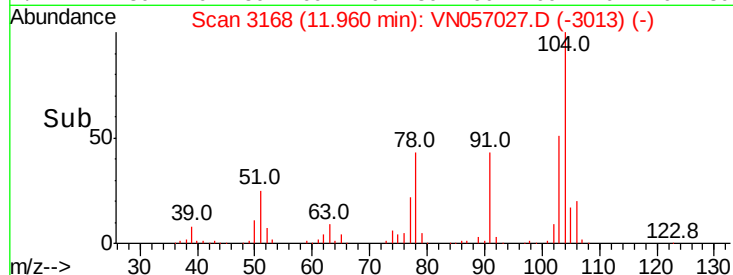
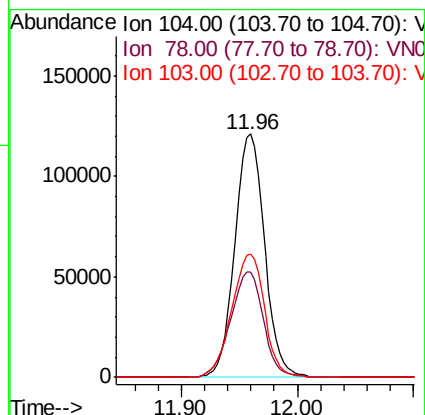
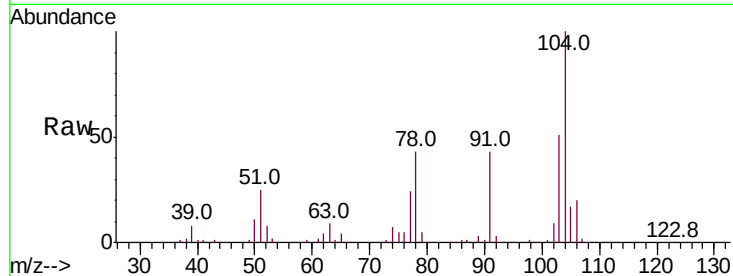
#69
Stvrene
Concen: 18.273 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		215941		
78	47.8	38.5	57.7		
103	55.9	44.7	67.1		

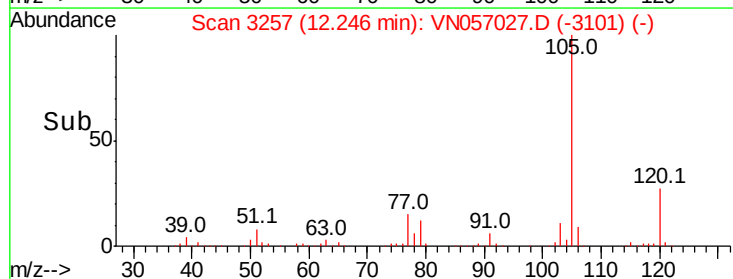
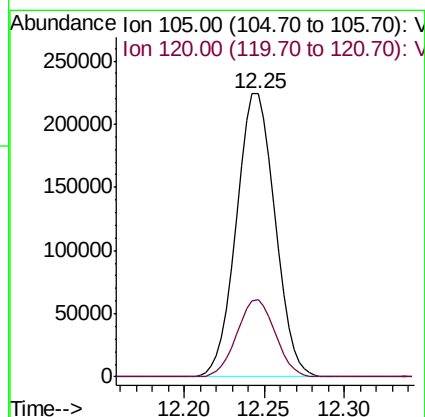
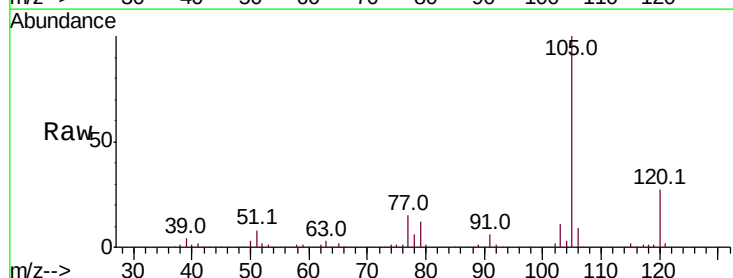
Manual Integrations
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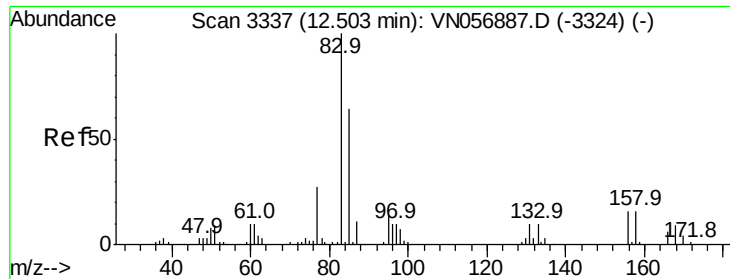
MMDadoda
8/2/2019 11:17:50 AM



#70
Isopropylbenzene
Concen: 19.162 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		367946		
120	27.1	18.7	34.7		





#71

1,1,2,2-Tetrachloroethane

Concen: 19.663 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

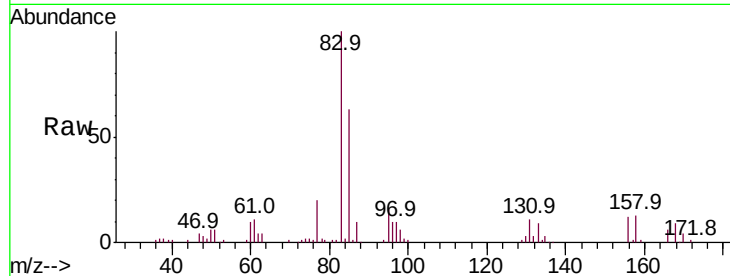
ClientSampled :

VN0801WBSD01

Tot Ion:	83	Resp:	105754
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.2
85	62.8	31.8	95.4

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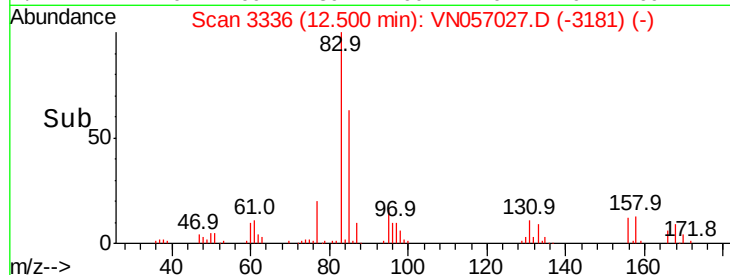


Abundance Ion 83.00 (82.70 to 83.70): VN056887.D (-3324) (-)

Ion 131.00 (130.70 to 131.70): VN056887.D (-3324) (-)

Ion 85.00 (84.70 to 85.70): VN056887.D (-3324) (-)

Time-->

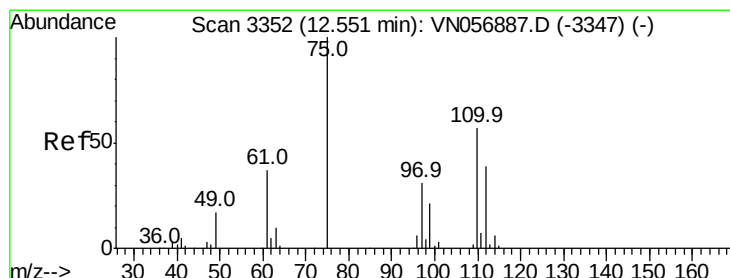


Abundance Ion 83.00 (82.70 to 83.70): VN057027.D (-3181) (-)

Ion 131.00 (130.70 to 131.70): VN057027.D (-3181) (-)

Ion 85.00 (84.70 to 85.70): VN057027.D (-3181) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 17.880 ug/l m

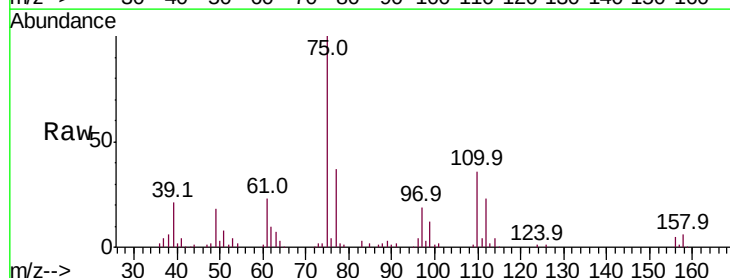
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

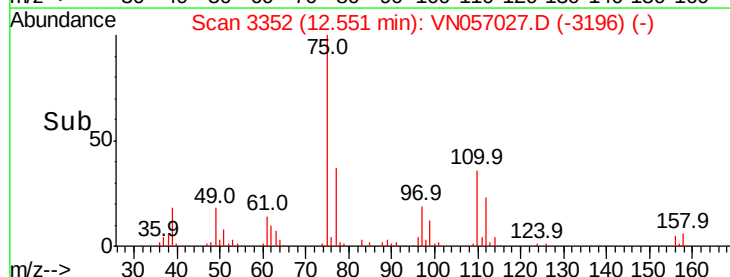
Tgt Ion:	75	Resp:	84607
Ion Ratio	Lower	Upper	
75	100		
77	196.7	0.0	378.6



Abundance Ion 75.00 (74.70 to 75.70): VN056887.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN056887.D (-3347) (-)

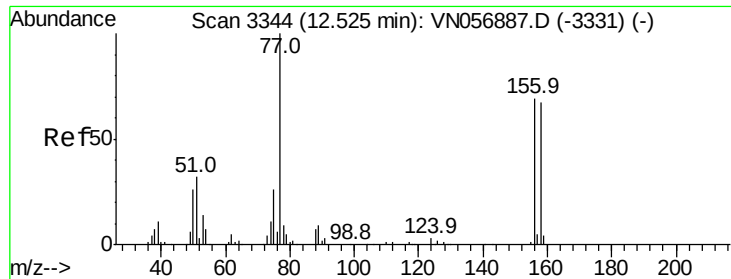
Time-->



Abundance Ion 75.00 (74.70 to 75.70): VN057027.D (-3196) (-)

Ion 77.00 (76.70 to 77.70): VN057027.D (-3196) (-)

Time-->



#73

Bromobenzene

Concen: 18.671 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

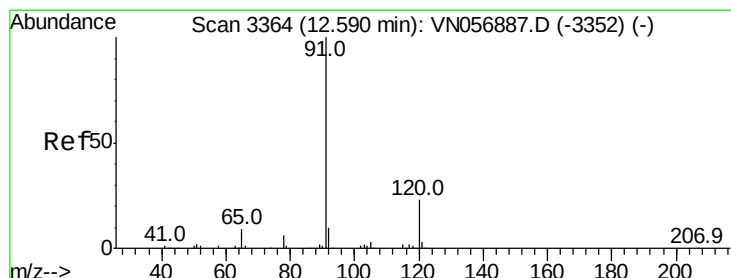
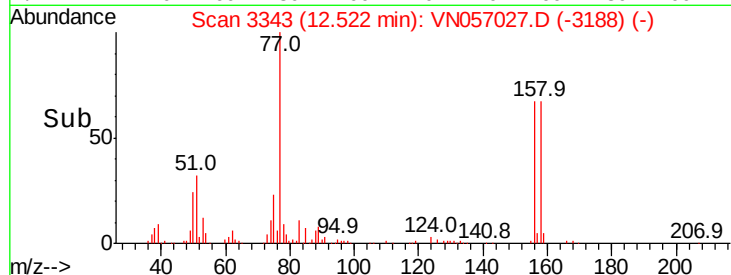
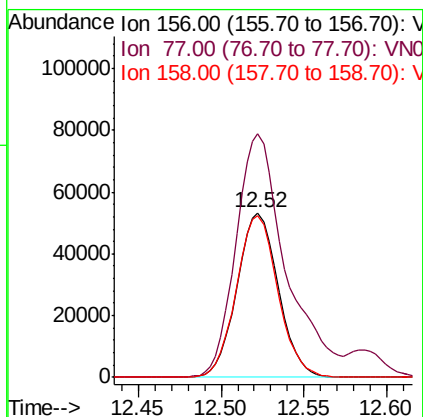
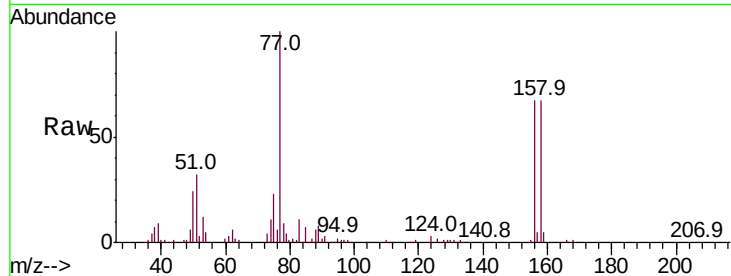
ClientSampled :

VN0801WBSD01

Tot Ion:	156	Resp:	92513
Ion Ratio	Lower	Upper	
156	100		
77	179.9	0.0	364.6
158	98.9	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 18.058 ug/l

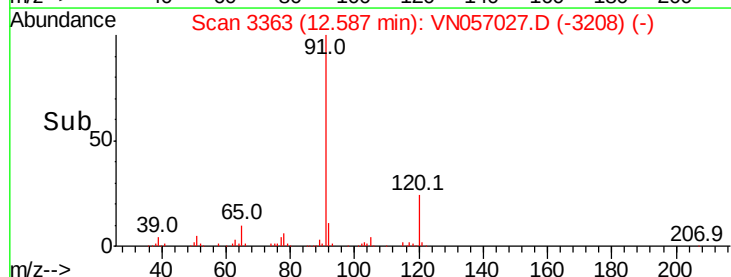
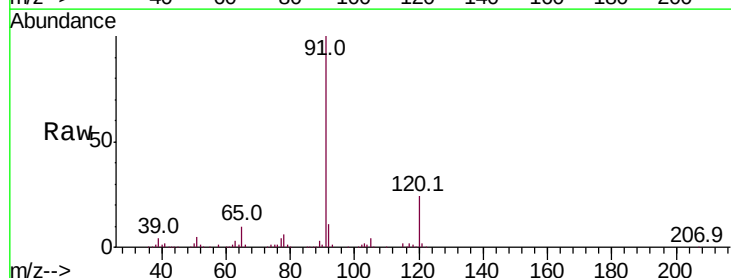
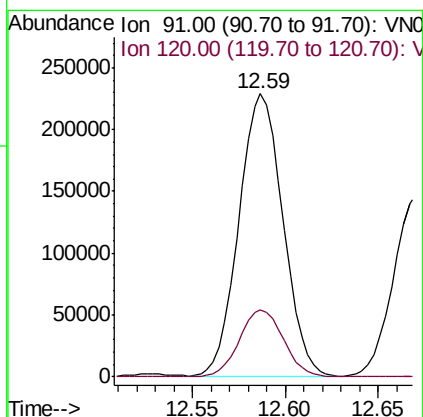
RT: 12.59 min Scan# 3363

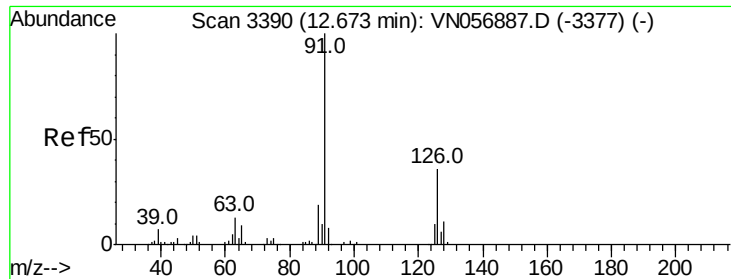
Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion:	91	Resp:	379133
Ion Ratio	Lower	Upper	
91	100		
120	23.6	0.0	46.4





#75

2-Chlorotoluene

Concen: 18.984 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

VN0801WBSD01

Tot Ion: 91 Resp: 241648

Ion Ratio Lower Upper

91 100

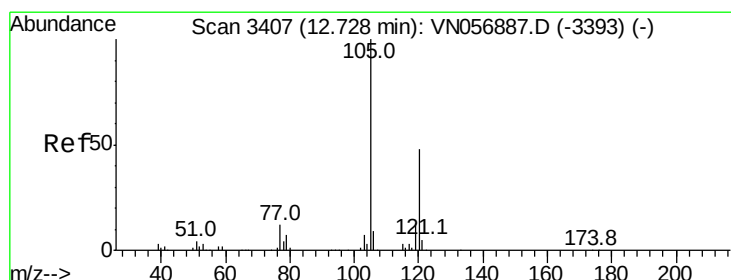
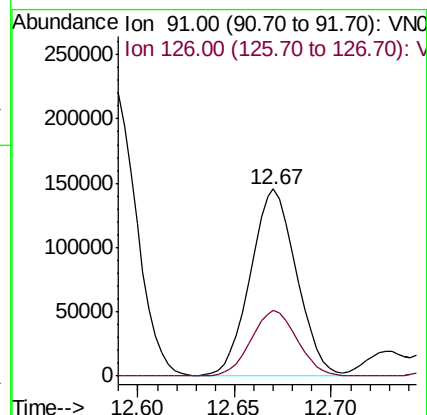
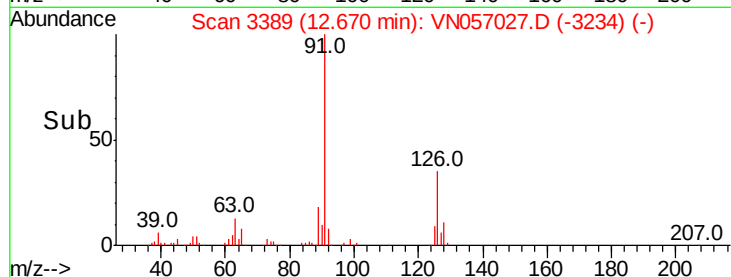
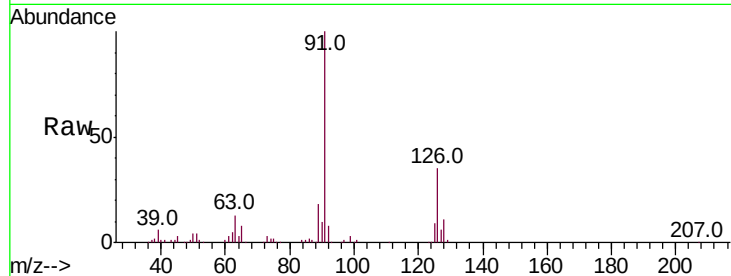
126 35.2 0.0 70.8

Manual Integrations

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8/2/2019 11:17:50 AM



#76

1,3,5-Trimethylbenzene

Concen: 19.371 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057027.D

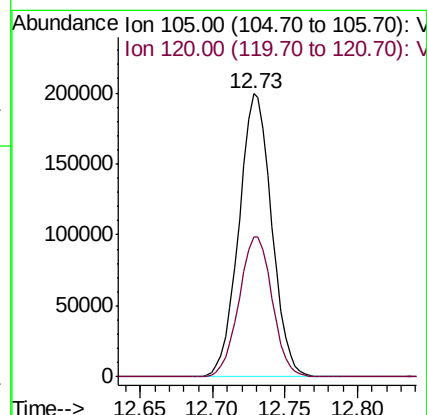
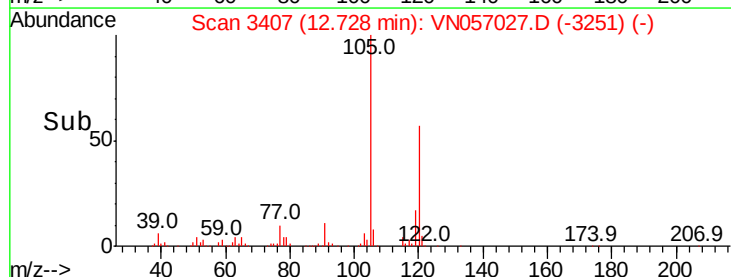
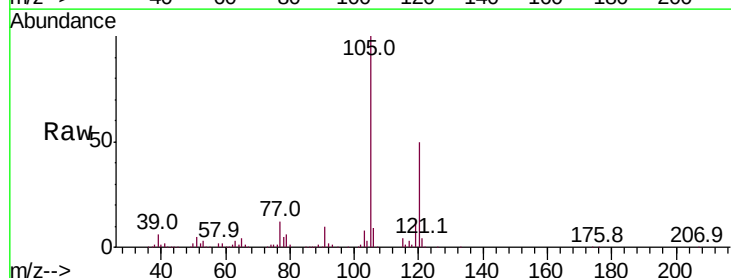
Acq: 1 Aug 2019 10:59

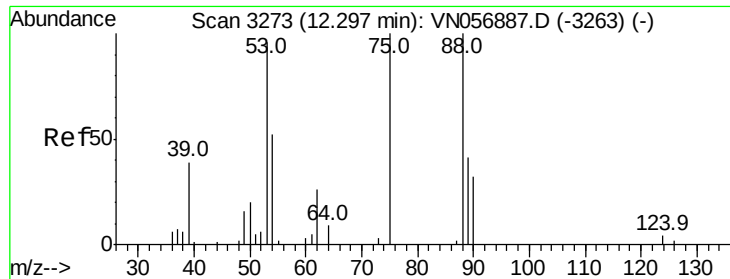
Tgt Ion: 105 Resp: 313129

Ion Ratio Lower Upper

105 100

120 50.2 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 17.012 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

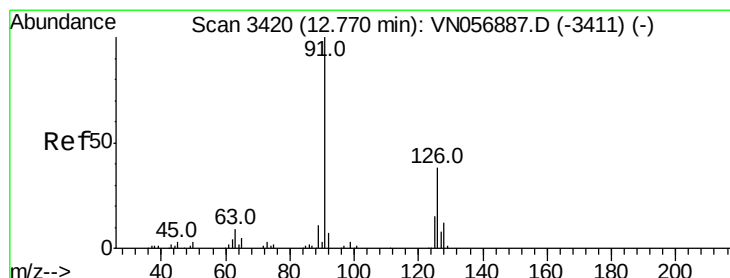
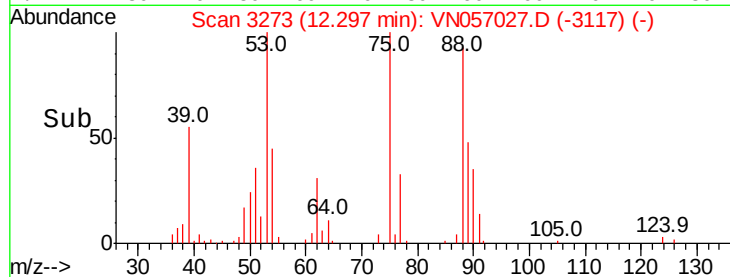
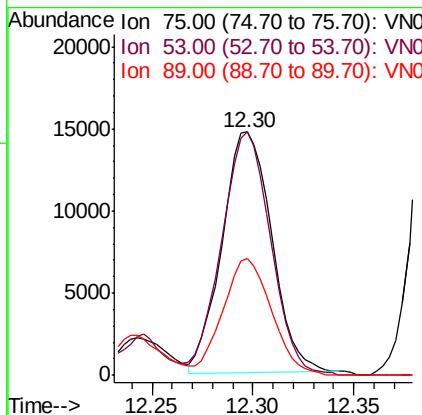
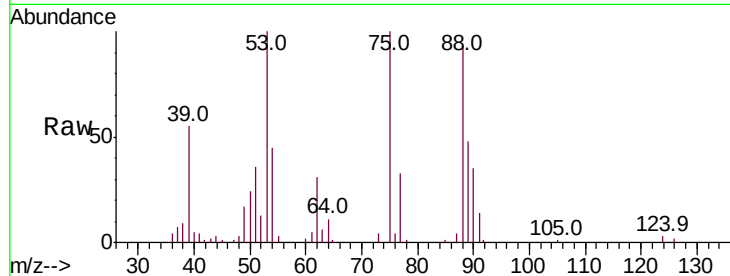
ClientSampled :

VN0801WBSD01

Tot Ion:	75	Resp:	25276
Ion	Ratio	Lower	Upper
75	100		
53	101.7	48.0	144.0
89	48.9	21.4	64.3

Manual Integrations
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8/2/2019 11:17:50 AM



#78

4-Chlorotoluene

Concen: 17.931 ug/l

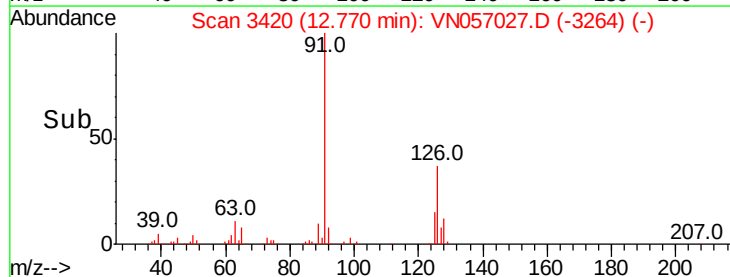
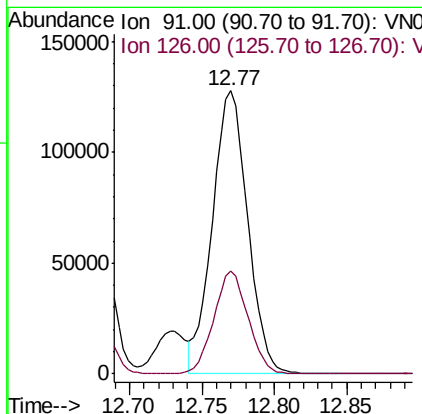
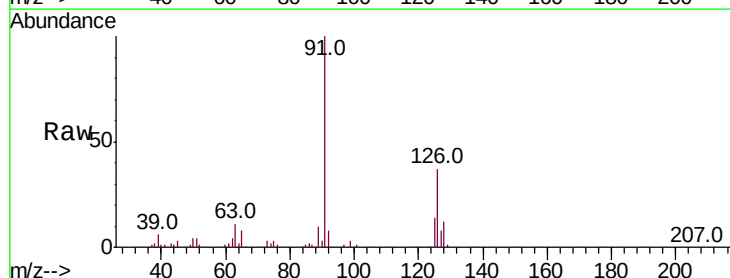
RT: 12.77 min Scan# 3420

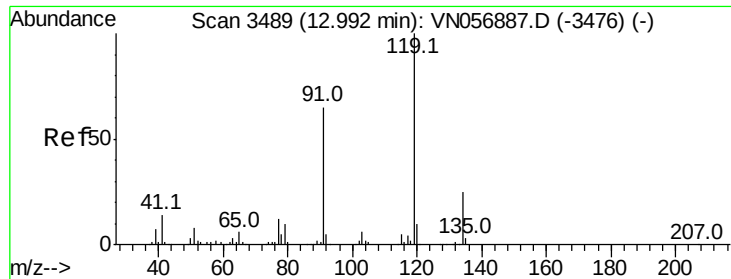
Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion:	91	Resp:	216957
Ion	Ratio	Lower	Upper
91	100		
126	35.3	0.0	69.6





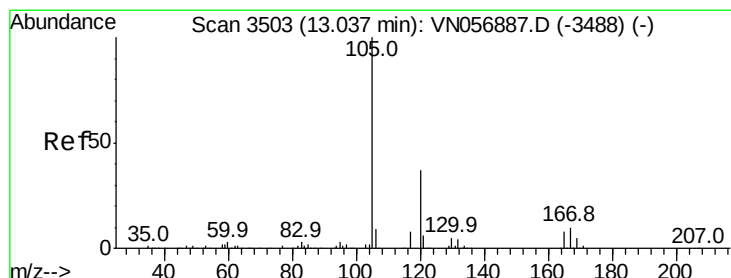
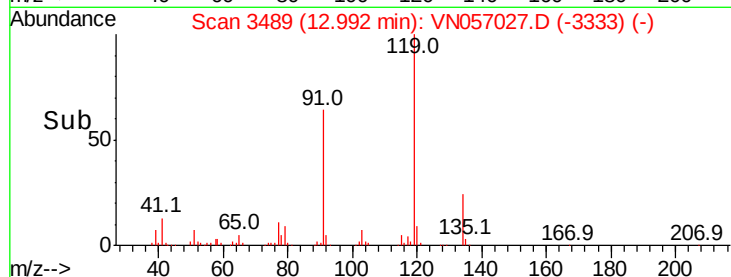
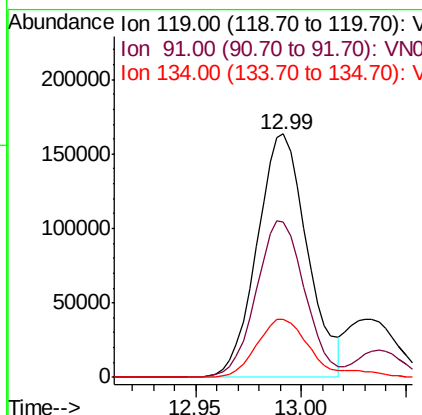
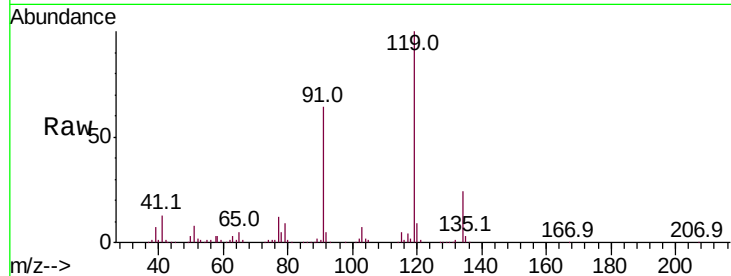
#79
tert-butylbenzene
Concen: 19.432 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	271066		
91	62.9	0.0	126.8	
134	24.1	0.0	48.8	

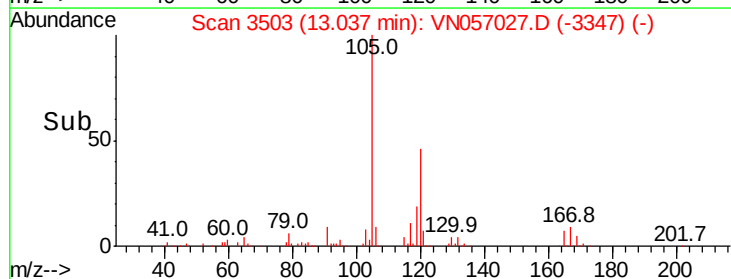
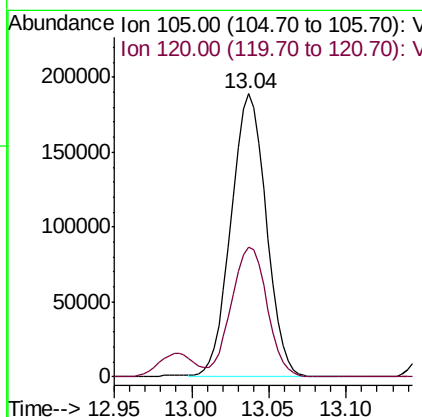
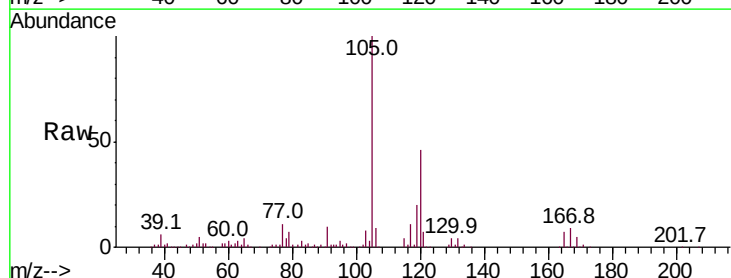
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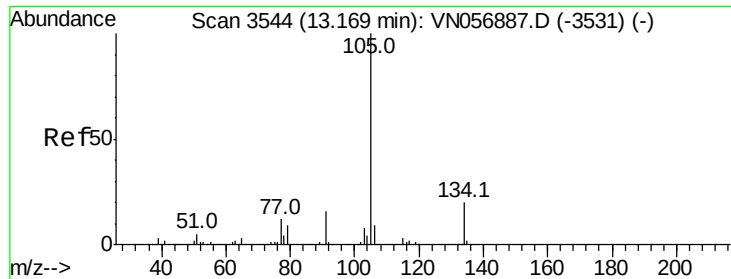
MMDadoda
8/2/2019 11:17:50 AM



#80
1,2,4-Trimethylbenzene
Concen: 18.979 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057027.D
Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	299089		
120	46.8	0.0	90.6	





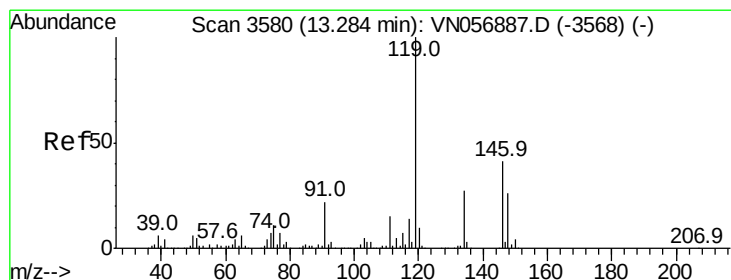
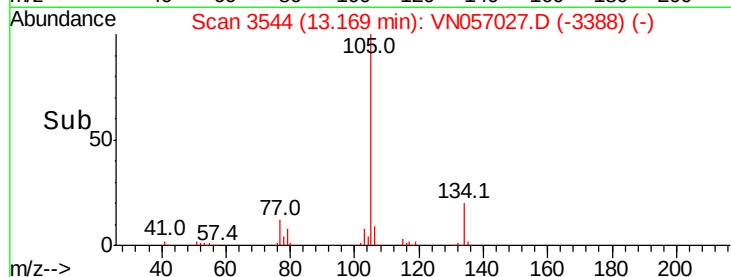
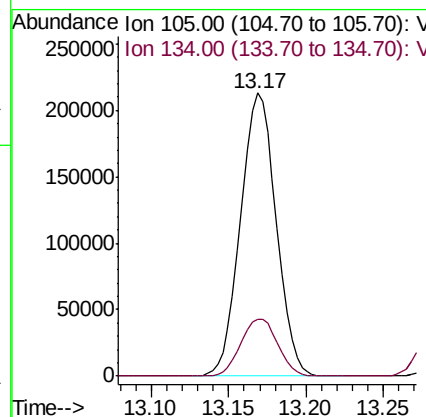
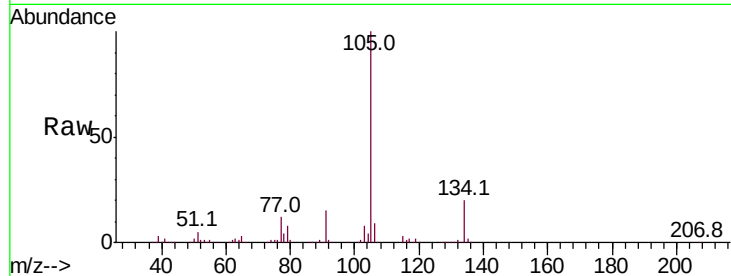
#81
 sec-Butylbenzene
 Concen: 18.735 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	341206		
134	20.9	0.0	41.2	

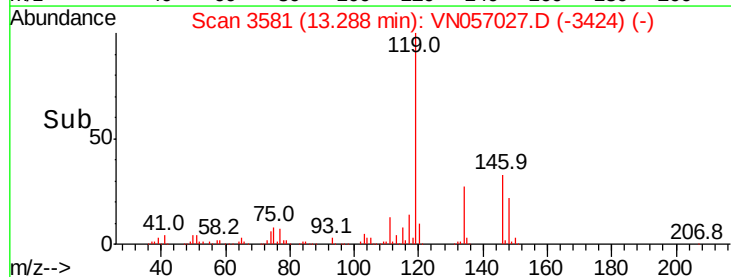
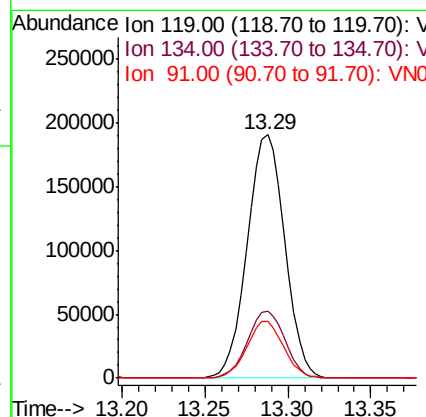
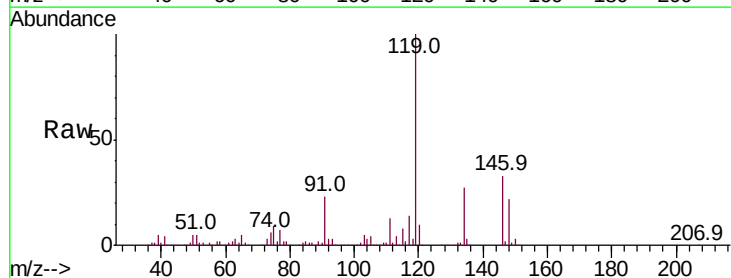
Manual Integrations
 APPROVED

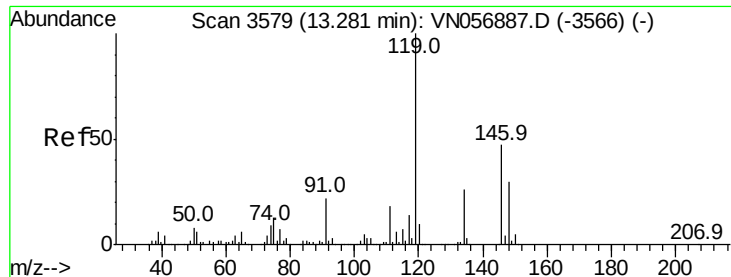
MMDadoda
 8/2/2019 11:17:50 AM



#82
 p-Isopropyltoluene
 Concen: 18.339 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	299954		
134	27.5	0.0	53.2	
91	22.9	0.0	44.0	





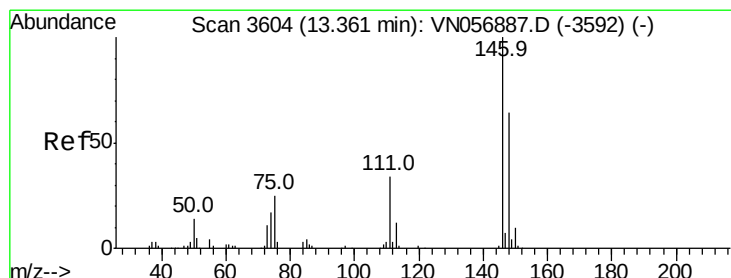
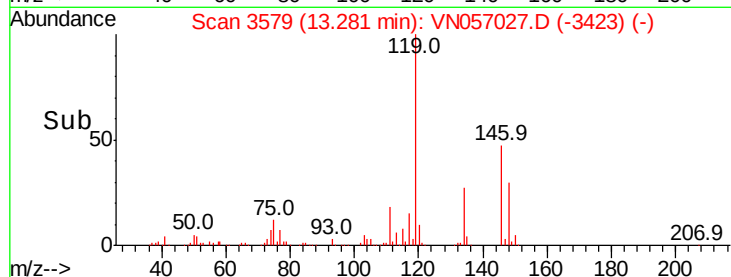
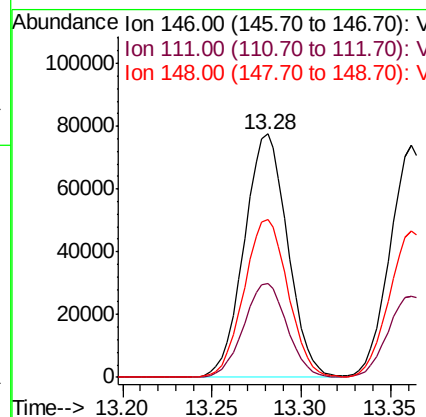
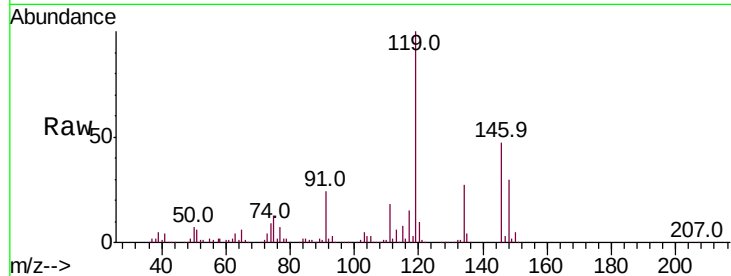
#83
 1,3-Dichlorobenzene
 Concen: 16.917 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	131977		
111	38.4	18.8	56.4	
148	65.8	31.7	95.1	

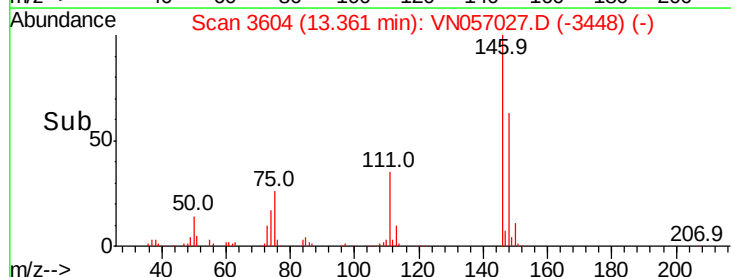
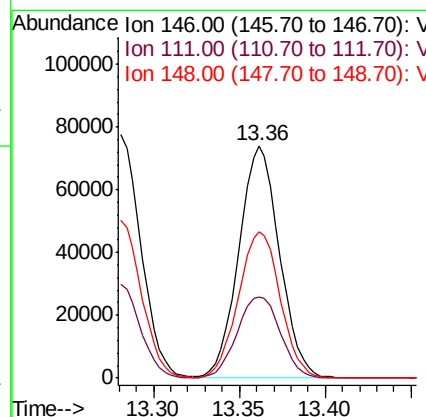
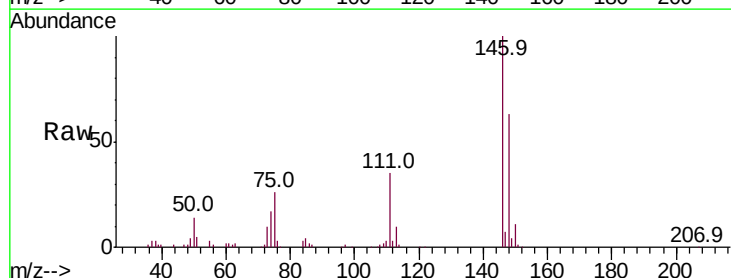
Manual Integrations
 APPROVED

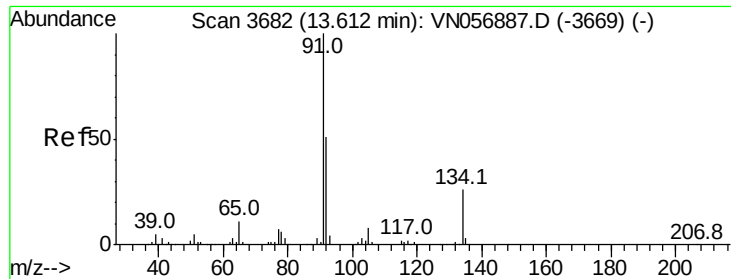
MMDadoda
 8/2/2019 11:17:50 AM



#84
 1,4-Dichlorobenzene
 Concen: 16.507 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121764		
111	37.1	17.8	53.5	
148	65.0	32.6	97.7	





#85

n-Butylbenzene

Concen: 16.263 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

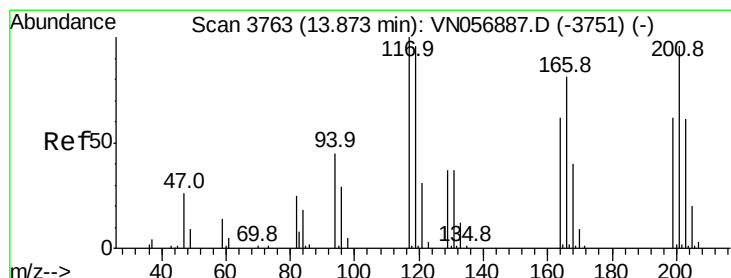
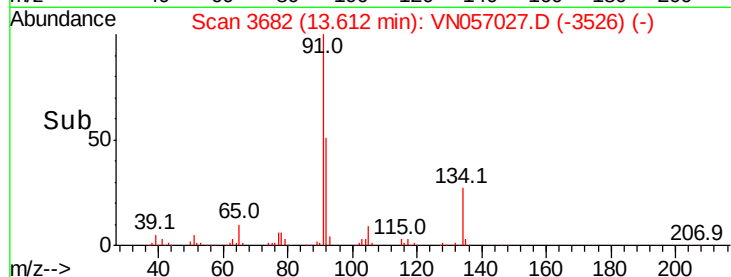
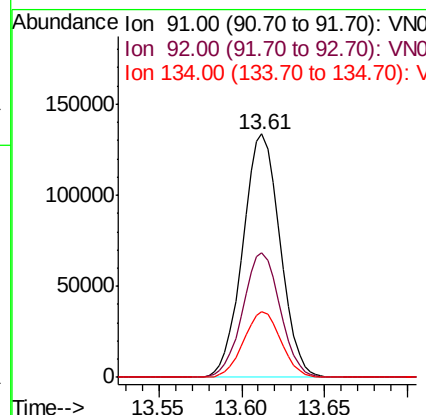
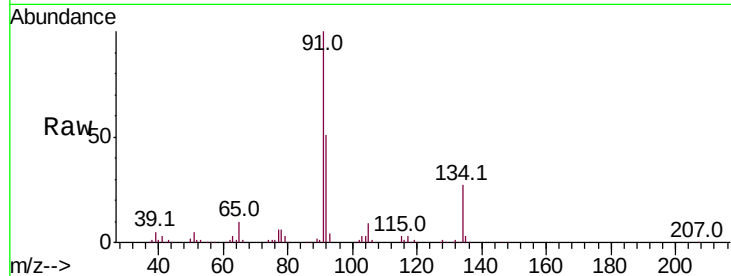
ClientSampled :

VN0801WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.4	0.0	101.8	
134	27.0	0.0	52.4	

Manual Integrations
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#86

Hexachloroethane

Concen: 19.487 ug/l

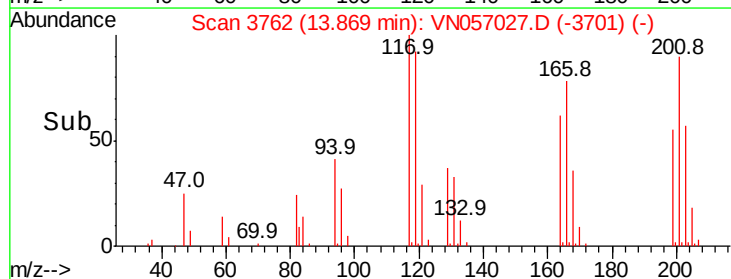
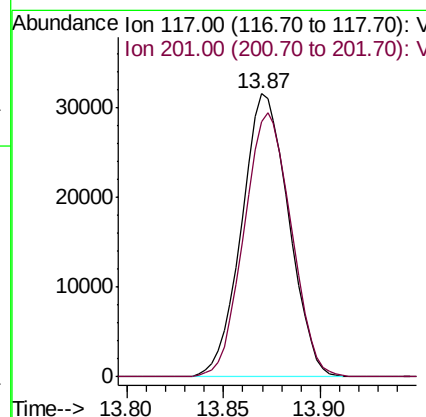
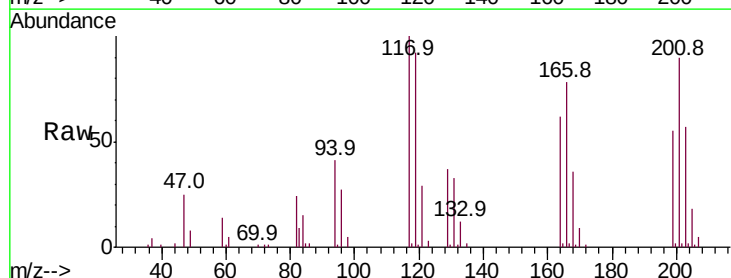
RT: 13.87 min Scan# 3762

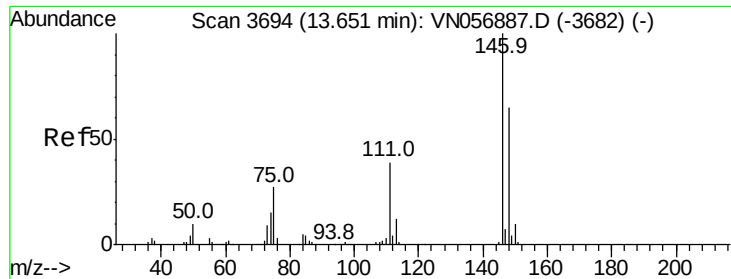
Delta R.T. -0.00 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	93.4	47.8	143.3	





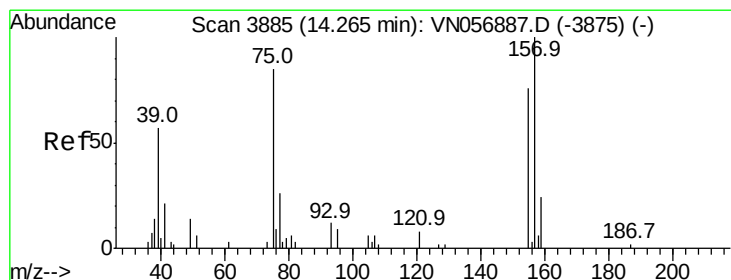
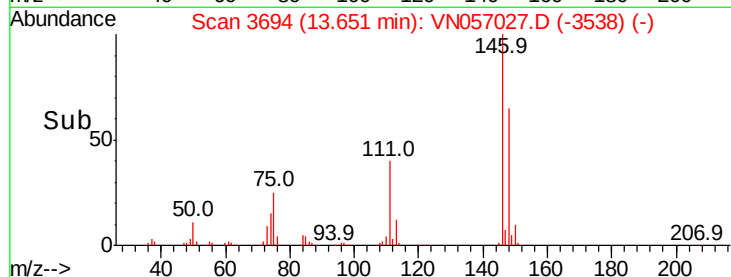
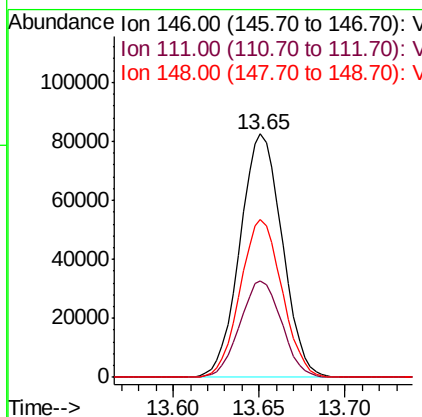
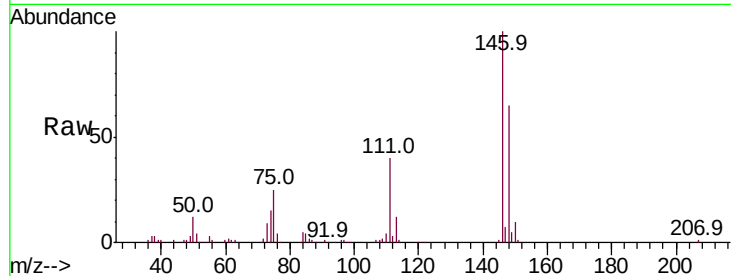
#87
 1,2-Dichlorobenzene
 Concen: 18.196 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.8
148	64.0	32.5	97.5

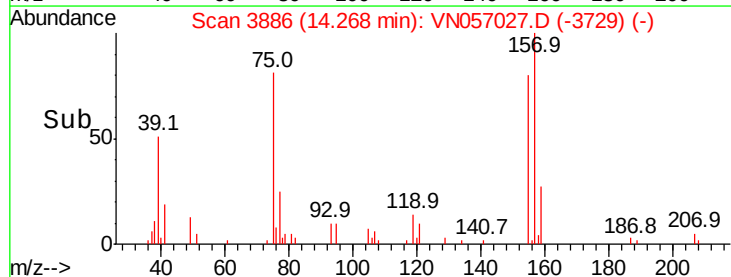
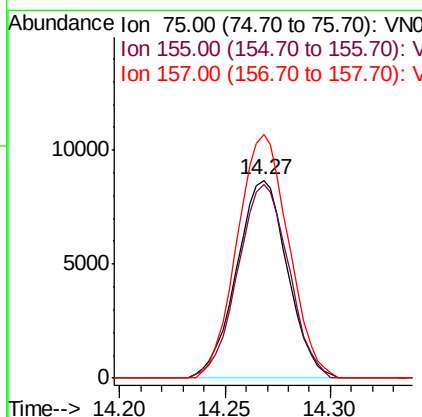
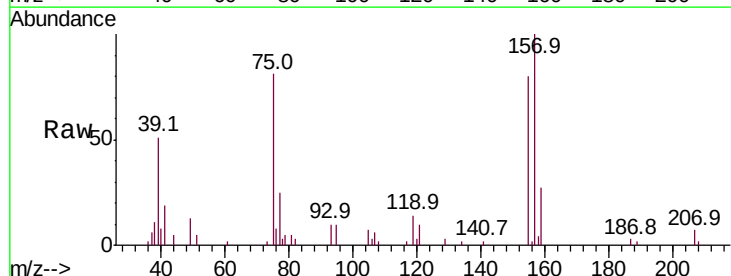
Manual Integrations
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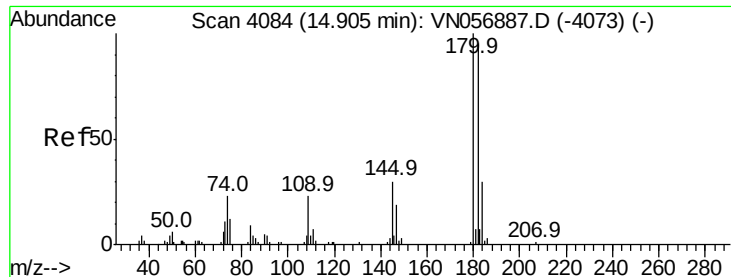
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.515 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	73.4	110.2
157	123.9	95.0	142.6





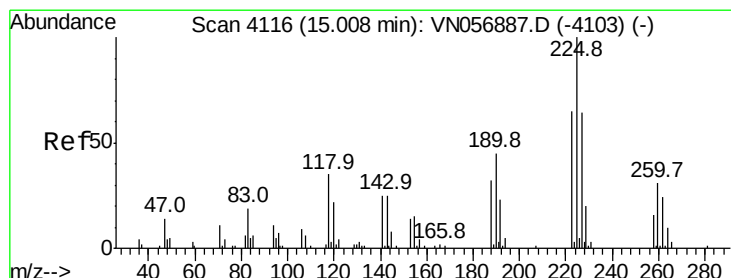
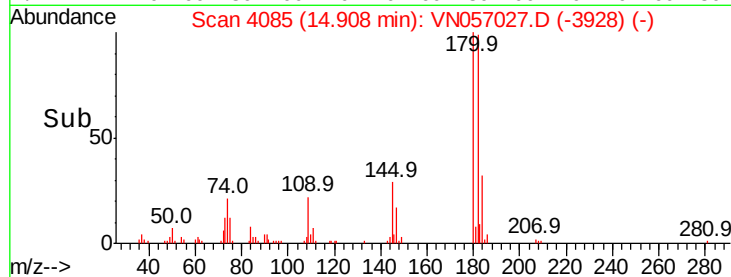
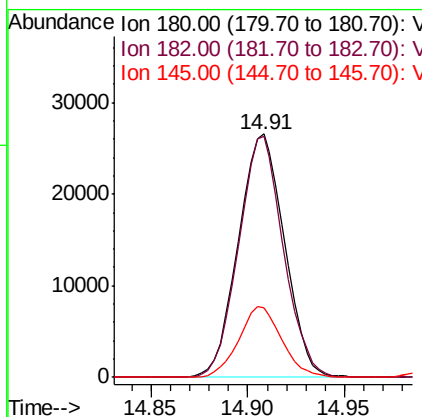
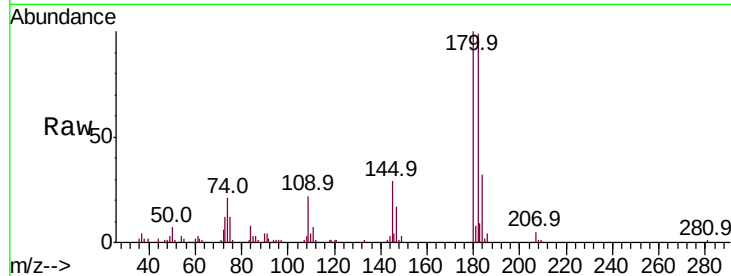
#89
 1,2,4-Trichlorobenzene
 Concen: 16.254 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
145	27.1	23.5	35.3

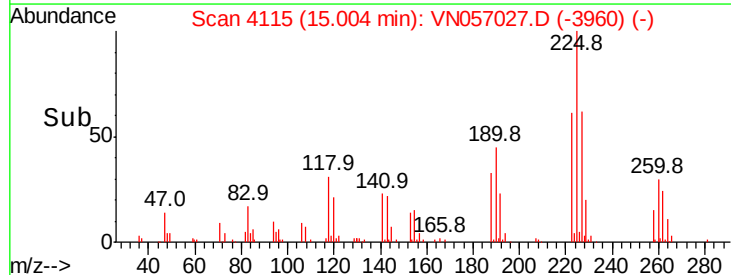
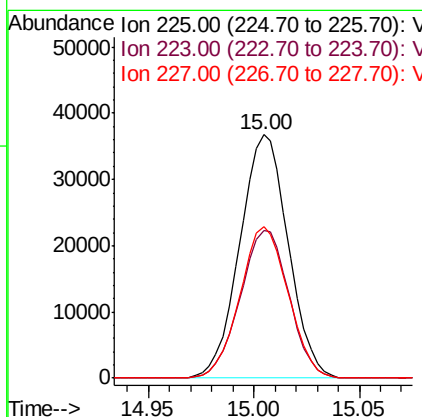
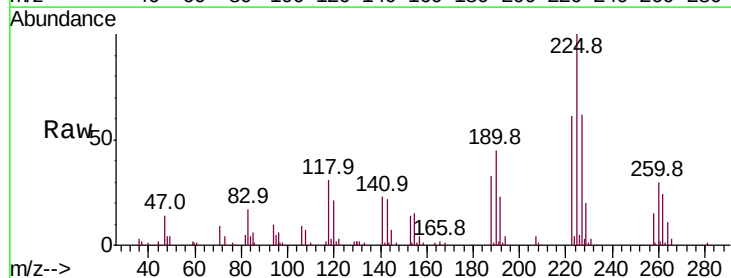
Manual Integrations
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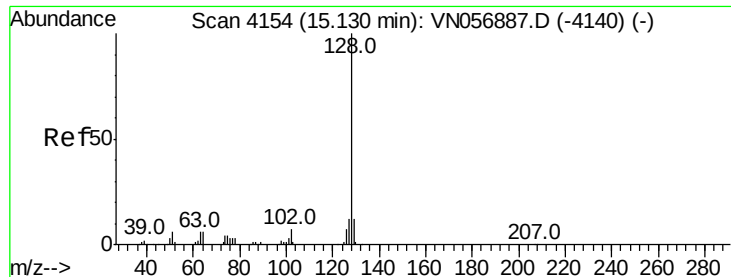
MMDadoda
 8/2/2019 11:17:50 AM



#90
 Hexachlorobutadiene
 Concen: 20.574 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN057027.D
 Acq: 1 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	0.0	130.0
227	61.9	0.0	127.2





#91

Naphthalene

Concen: 15.325 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Instrument :

MSVOA_N

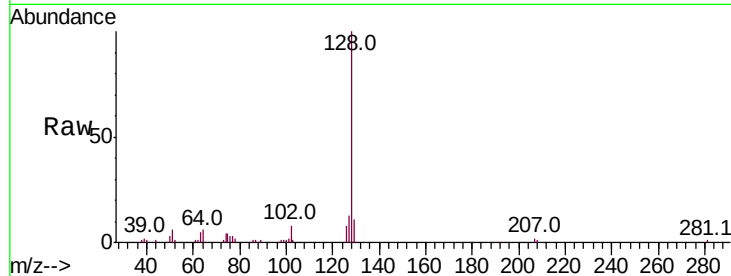
ClientSampleId :

VN0801WBSD01

Tot Ion:	128	Resp:	104714
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.0	15.0
129	10.9	8.9	13.3

Manual Integrations
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8/2/2019 11:17:50 AM

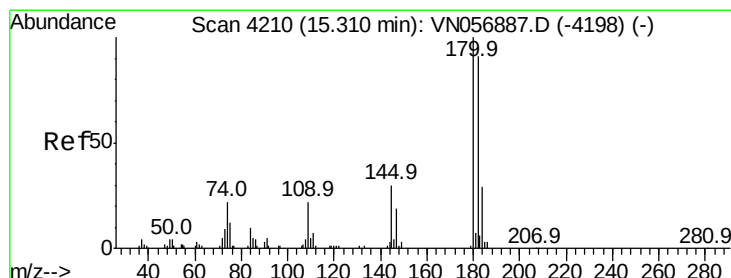
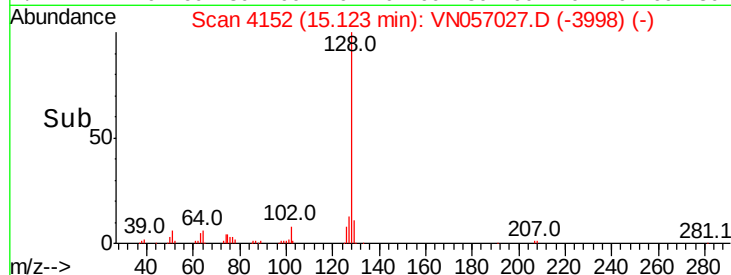
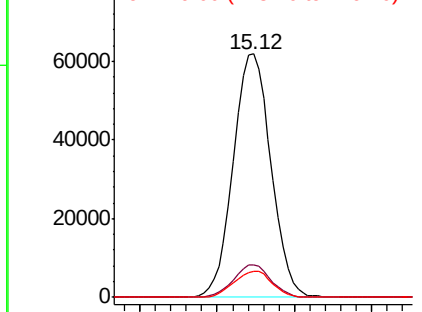


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 13.391 ug/l

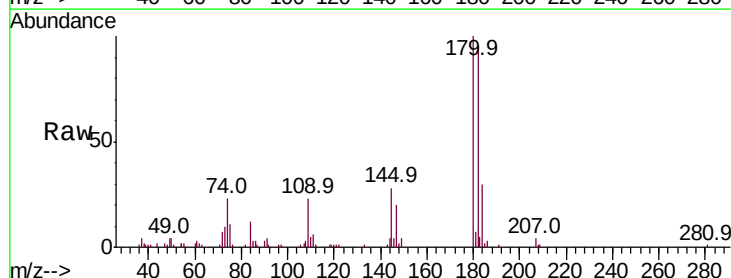
RT: 15.29 min Scan# 4205

Delta R.T. -0.02 min

Lab File: VN057027.D

Acq: 1 Aug 2019 10:59

Tgt Ion:	180	Resp:	54857
Ion Ratio	Lower	Upper	
180	100		
182	93.3	0.0	188.0
145	28.4	0.0	61.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

