

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056889.D
 Acq On : 23 Jul 2019 20:16
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 2:20:04 PM

Quant Time: Jul 24 03:33:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	60926	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	330583	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	299821	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	119338	29.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.03%
60) 4-Bromofluorobenzene	12.40	95	140703	30.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.97%
63) Toluene-d8	10.09	98	411349	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	373366	107.850	ug/l 97
3) Chloromethane	2.06	50	438306	96.084	ug/l 99
4) Vinyl Chloride	2.18	62	431650	96.540	ug/l 100
5) Bromomethane	2.55	94	252091	89.666	ug/l 98
6) Chloroethane	2.69	64	235258	92.393	ug/l 98
7) Trichlorofluoromethane	3.01	101	515504	91.139	ug/l 100
8) Diethyl Ether	3.41	74	192675	83.822	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	321884	91.131	ug/l 99
10) 1,1-Dichloroethene	3.73	96	324836	92.520	ug/l 98
11) Methyl Iodide	3.94	142	511436	107.561	ug/l 100
12) Methyl Acetate	4.33	43	329047	70.571	ug/l 96
13) Acrolein	3.60	56	223823	607.222	ug/l 99
14) Acrylonitrile	4.99	53	774603	385.910	ug/l 100
15) Acetone	3.82	58	196848	308.125	ug/l 94
16) Carbon Disulfide	4.04	76	903502	97.172	ug/l 99
17) Allyl chloride	4.32	41	552855	90.708	ug/l 98
18) Methylene Chloride	4.54	84	372112	90.314	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	345747	92.505	ug/l 96
20) Diisopropyl ether	5.96	45	1095826	89.688	ug/l 96
21) 1,1-Dichloroethane	5.85	63	636122	90.901	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	395686	90.159	ug/l 99
23) tert-Butyl Alcohol	4.81	59	256438	362.901	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	994516	89.679	ug/l 97
25) Chloroform	7.37	83	616406	90.755	ug/l 99
26) Cyclohexane	7.65	56	605031	94.013	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	480171	94.479	ug/l 98
30) 2-Butanone	6.84	43	956703	346.704	ug/l 99
31) 2,2-Dichloropropane	6.82	77	437671	89.222	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	521342	95.328	ug/l 98
33) Carbon Tetrachloride	7.77	117	464376	98.733	ug/l 98
34) Benzene	8.04	78	1461105	92.799	ug/l # 91
35) Methacrylonitrile	7.18	41	200633	86.859	ug/l 99
36) 1,2-Dichloroethane	8.12	62	456099	90.753	ug/l 99
37) Trichloroethene	8.83	130	393769	92.529	ug/l 97
38) Methylcyclohexane	9.08	83	615574	96.135	ug/l 99
39) 1,2-Dichloropropane	9.12	63	390342	92.578	ug/l 99
40) Dibromomethane	9.21	93	241453	90.320	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	473669	95.579	ug/l	98
42) Vinyl Acetate	5.90	43	4358575	449.793	ug/l	100
43) Ethyl Acetate	6.93	43	391418	76.507	ug/l	94
44) Isopropyl Acetate	8.17	43	655623	80.430	ug/l #	88
45) 1,4-Dioxane	9.20	88	124217	1542.988	ug/l	94
46) Methyl methacrylate	9.20	41	324568	83.092	ug/l	99
47) n-amyl Acetate	12.07	43	567569	85.848	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	514132	95.107	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	588720	95.958	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	340729	87.090	ug/l	98
51) Ethyl methacrylate	10.43	69	530195	89.426	ug/l	99
52) 1,3-Dichloropropane	10.71	76	588077	90.548	ug/l	100
53) Dibromochloromethane	10.90	129	381978	96.494	ug/l	99
54) 1,2-Dibromoethane	11.00	107	363997	90.251	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	1154207	409.131	ug/l	99
56) Bromoform	12.12	173	273593	94.364	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	1953103	366.622	ug/l	98
59) 2-Hexanone	10.75	43	1371342	348.629	ug/l	99
61) Tetrachloroethene	10.63	164	395950	92.552	ug/l	98
62) Toluene	10.15	91	1578920	91.535	ug/l	100
64) Chlorobenzene	11.43	112	968904	92.198	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	363485	93.522	ug/l	99
66) Ethyl Benzene	11.51	91	1728845	93.290	ug/l	100
67) m/p-Xylenes	11.62	106	1289918	184.961	ug/l	99
68) o-Xylene	11.95	106	626143	91.487	ug/l	99
69) Styrene	11.96	104	1068853	94.796	ug/l	100
70) Isopropylbenzene	12.25	105	1662233	92.861	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	453196	79.416	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	395514m	81.466	ug/l	
73) Bromobenzene	12.52	156	436939	93.668	ug/l	100
74) n-propylbenzene	12.59	91	1897286	95.158	ug/l	99
75) 2-Chlorotoluene	12.67	91	1111012	91.858	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1401846	92.431	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	141135	87.457	ug/l	92
78) 4-Chlorotoluene	12.77	91	1114255	95.525	ug/l	100
79) tert-butylbenzene	12.99	119	1214265	93.684	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1390229	92.272	ug/l	98
81) sec-Butylbenzene	13.17	105	1607828	94.152	ug/l	100
82) p-Isopropyltoluene	13.28	119	1470194	94.973	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	729265	94.961	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	708858	96.754	ug/l	99
85) n-Butylbenzene	13.61	91	1229896	97.252	ug/l	98
86) Hexachloroethane	13.87	117	250917	101.496	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	706411	91.225	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.26	75	77691	79.830	ug/l	92
89) 1,2,4-Trichlorobenzene	14.90	180	413762	102.234	ug/l	98
90) Hexachlorobutadiene	15.00	225	246855	90.975	ug/l	99
91) Naphthalene	15.13	128	1076007	98.176	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	424151	98.764	ug/l	99

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QLast Update : Wed Jul 24 02:31:22 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

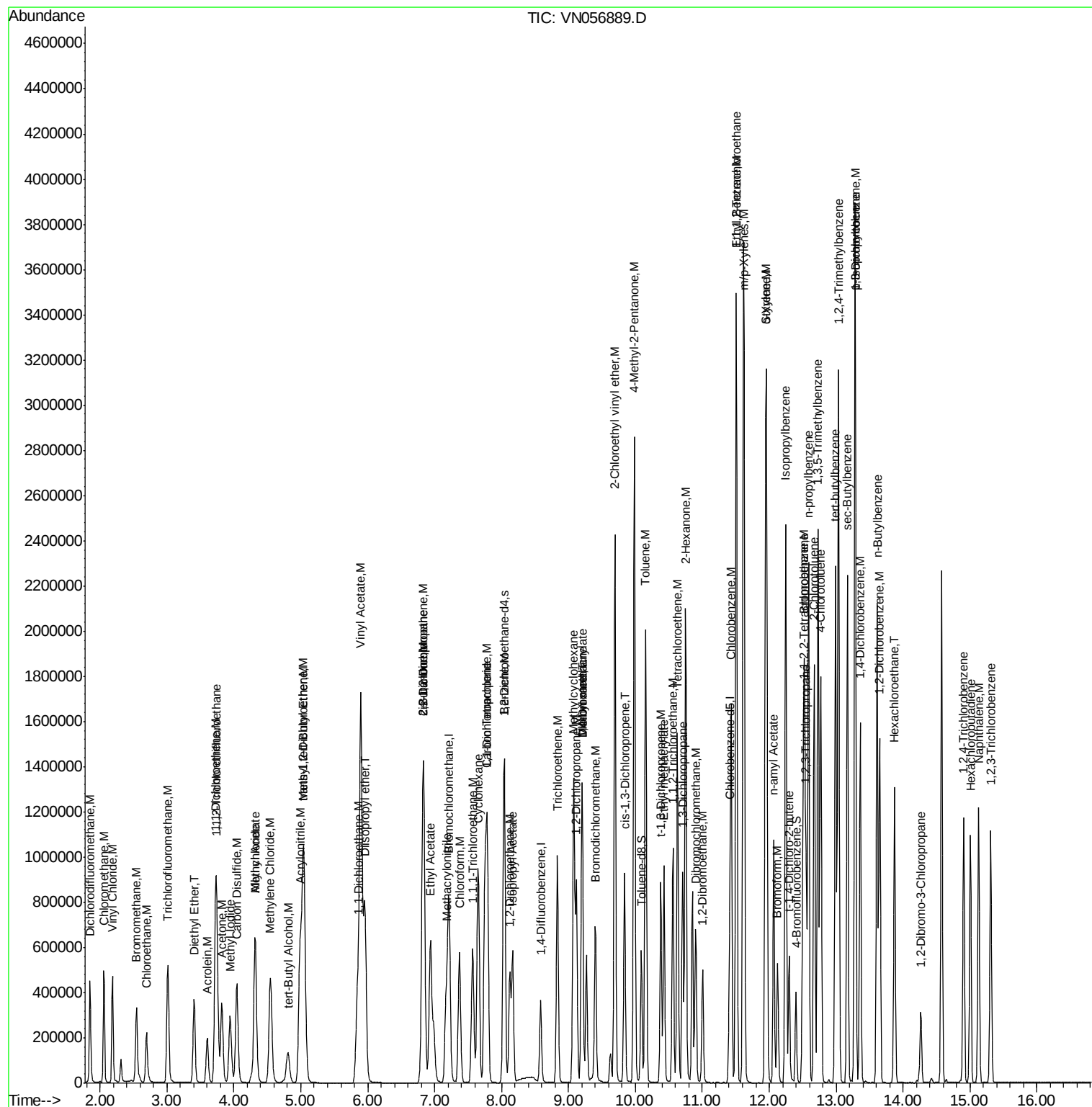
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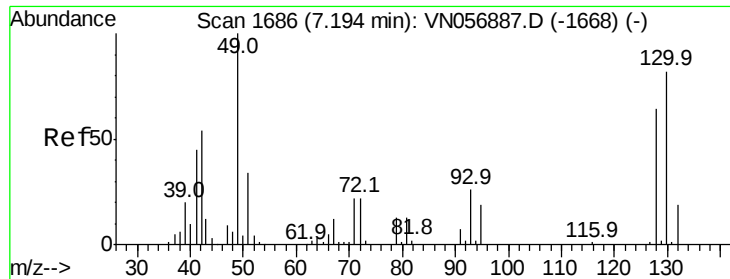
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

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7/25/2019 2:20:04 PM

Quant Time: Jul 24 03:33:52 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

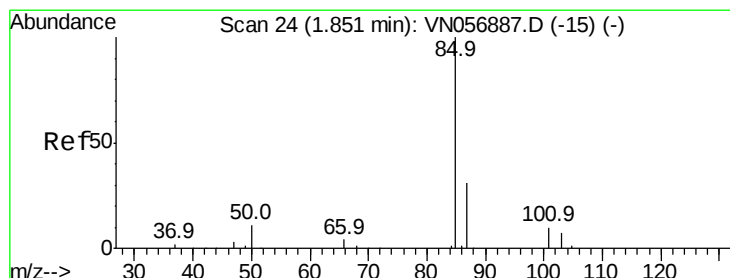
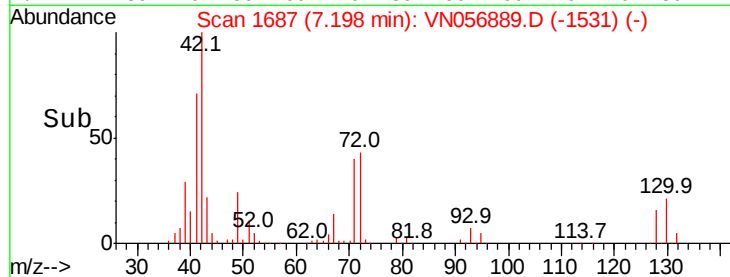
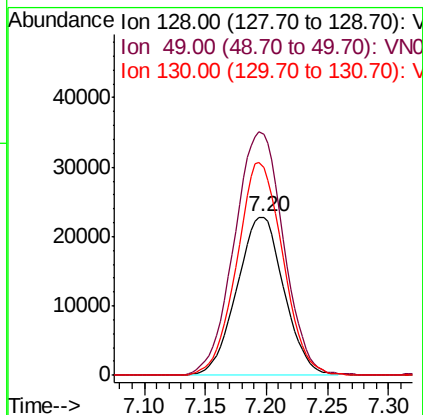
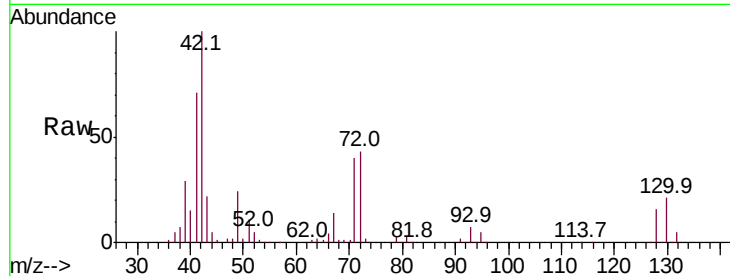
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	60926
Ion	Ratio	Lower	Upper
128	100		
49	161.1	0.0	385.8
130	131.4	0.0	322.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 107.850 ug/l

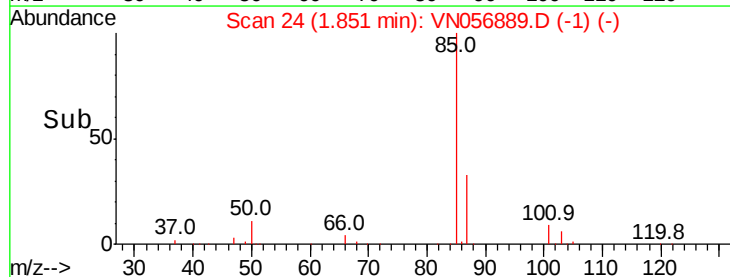
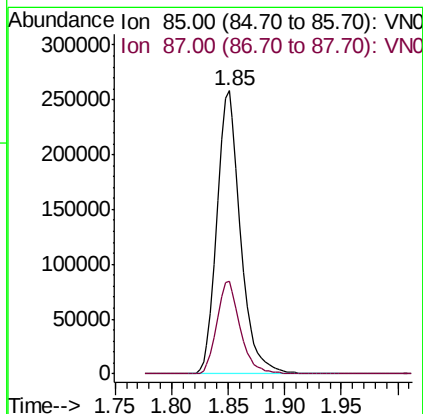
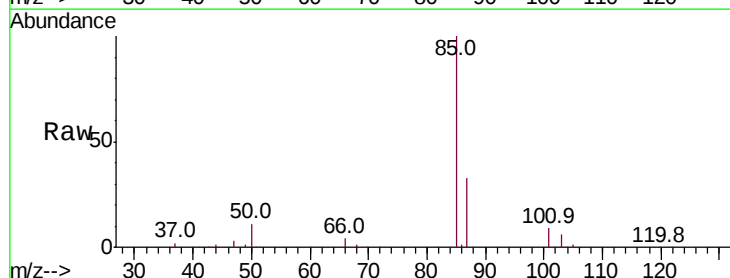
RT: 1.85 min Scan# 24

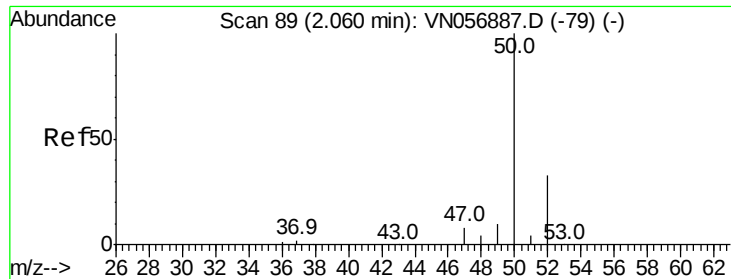
Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Tgt Ion:	85	Resp:	373366
Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.6	46.8





#3

Chloromethane

Concen: 96.084 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 438306

Ion Ratio Lower Upper

50 100

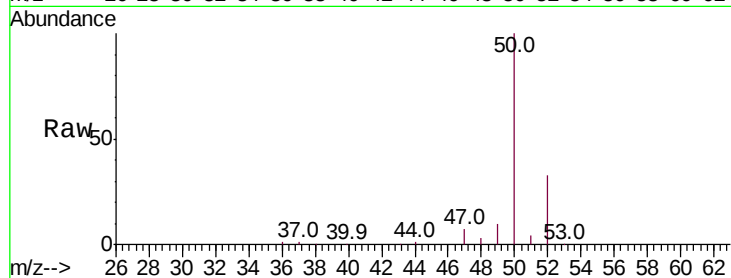
52 33.4 26.2 39.2

Manual Integrations

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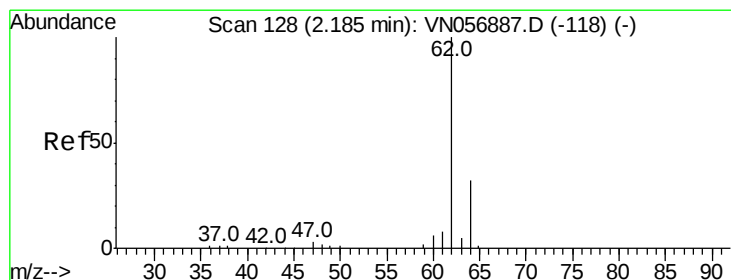
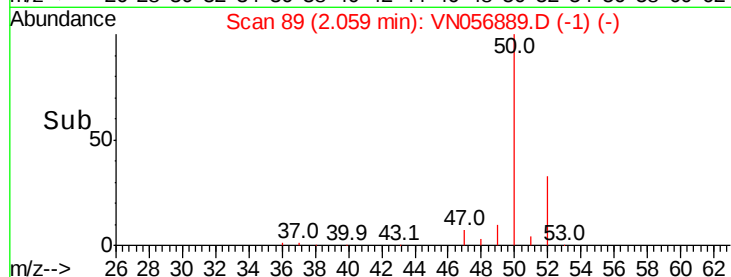
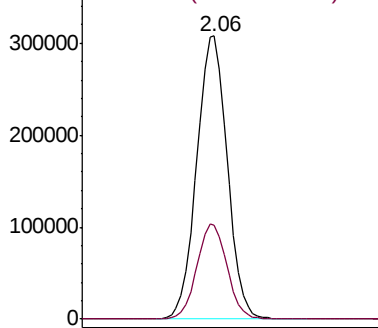
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 96.540 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056889.D

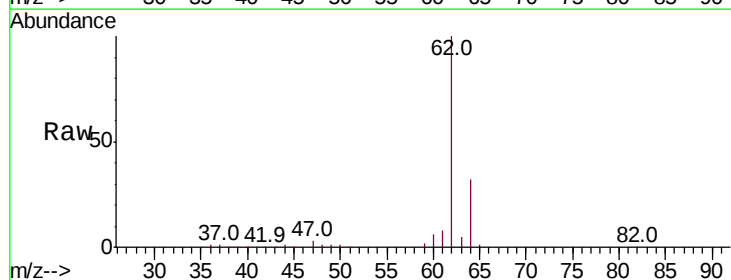
Acq: 23 Jul 2019 20:16

Tgt Ion: 62 Resp: 431650

Ion Ratio Lower Upper

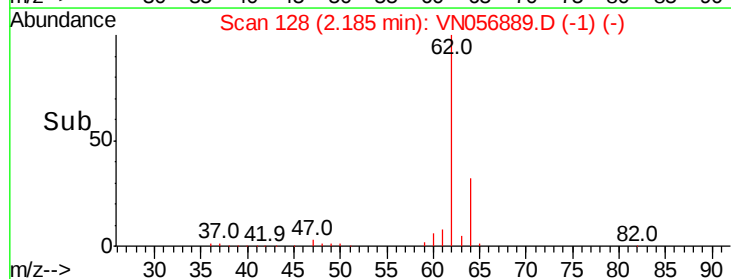
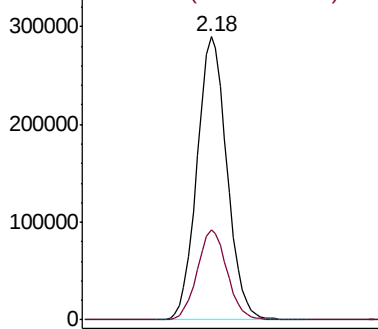
62 100

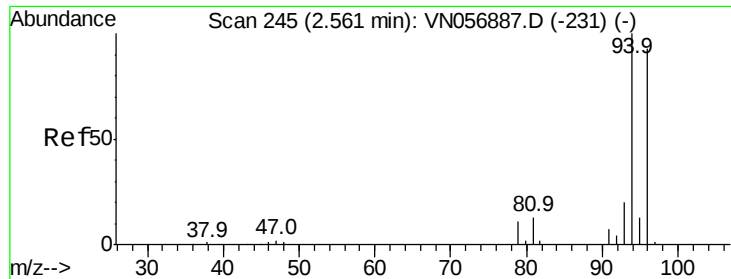
64 31.7 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 89.666 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 94 Resp: 252091

Ion Ratio Lower Upper

94 100

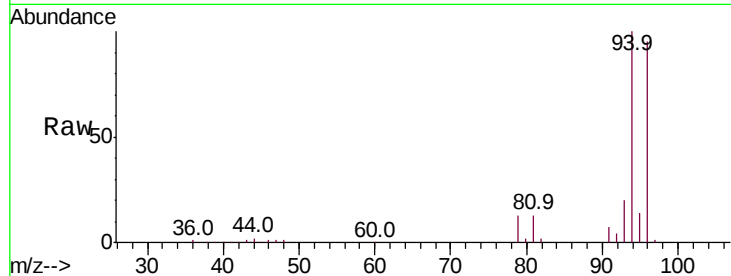
96 95.4 74.7 112.1

Manual Integrations

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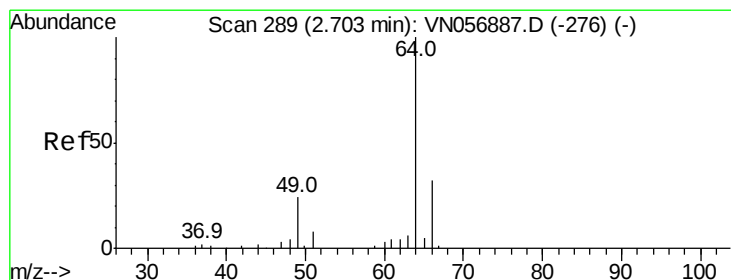
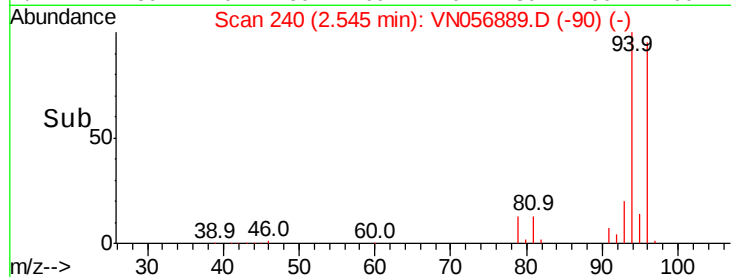
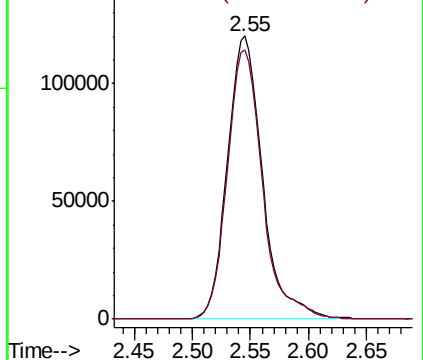
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 92.393 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN056889.D

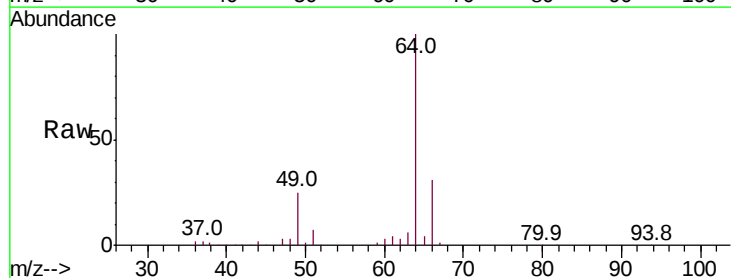
Acq: 23 Jul 2019 20:16

Tgt Ion: 64 Resp: 235258

Ion Ratio Lower Upper

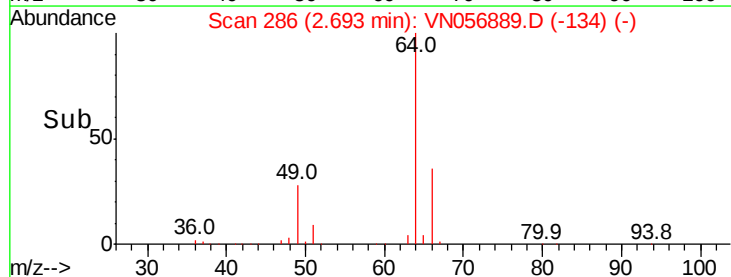
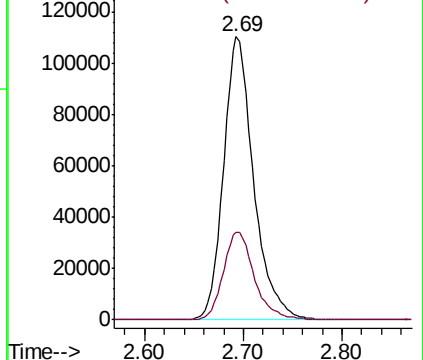
64 100

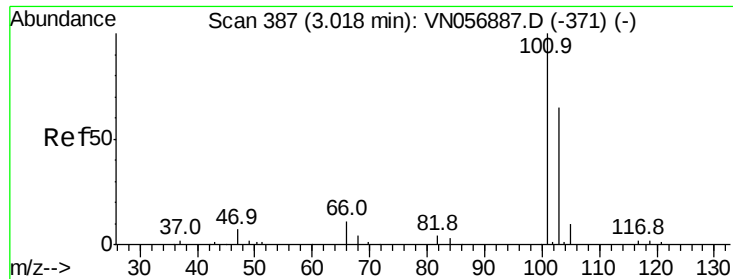
66 31.0 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

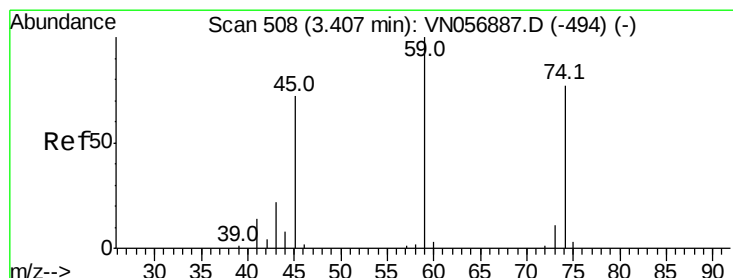
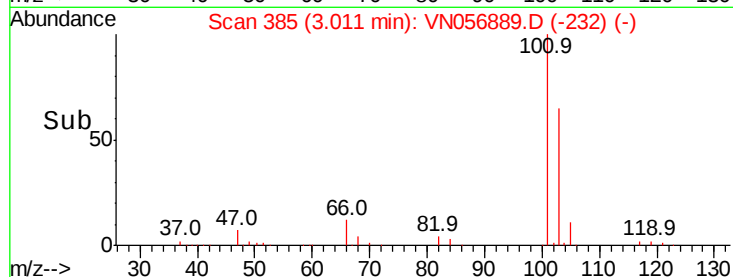
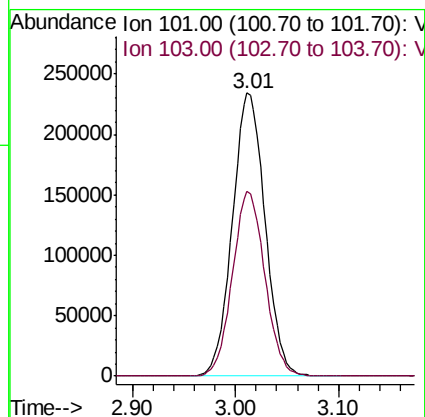
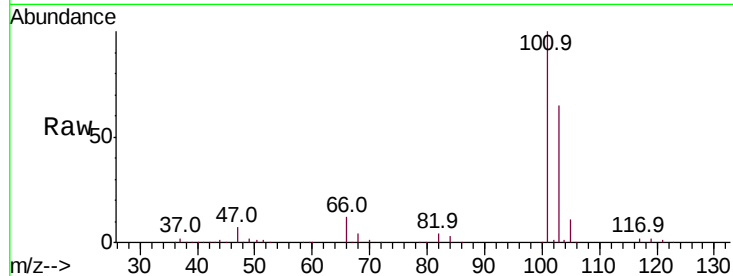
Trichlorofluoromethane
Concen: 91.139 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:101 Resp: 515504
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.4

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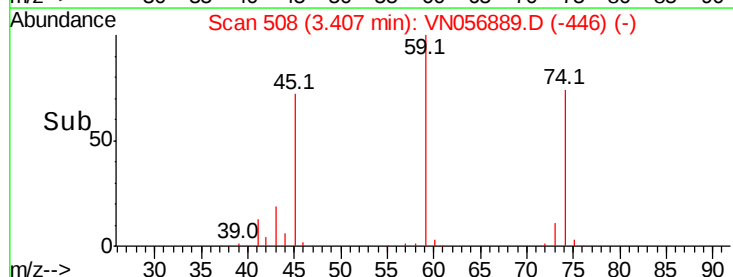
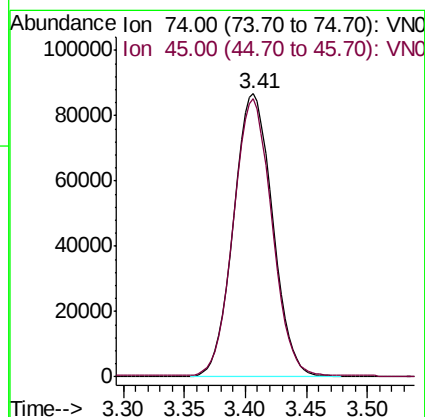
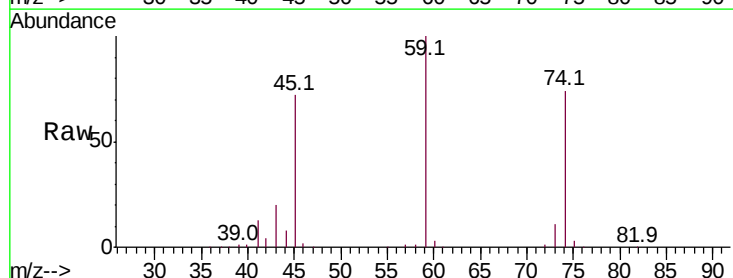
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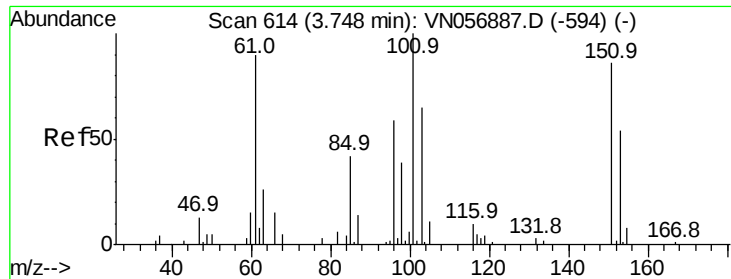


#8

Diethyl Ether
Concen: 83.822 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 74 Resp: 192675
Ion Ratio Lower Upper
74 100
45 96.0 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.131 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

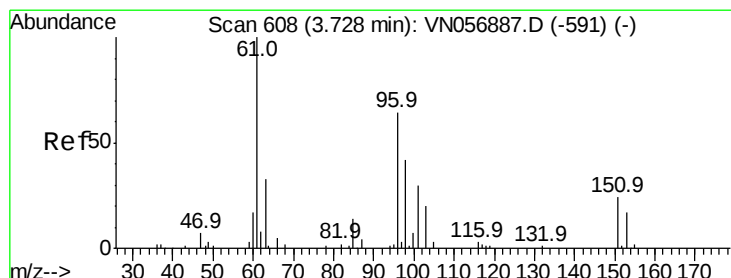
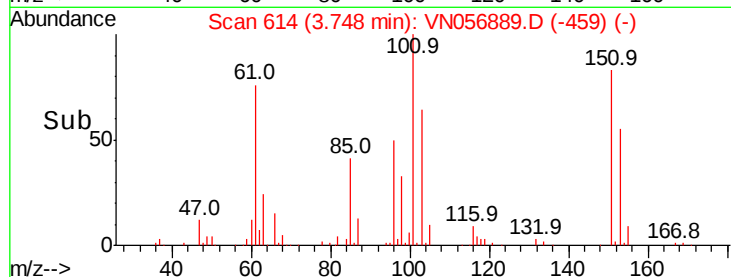
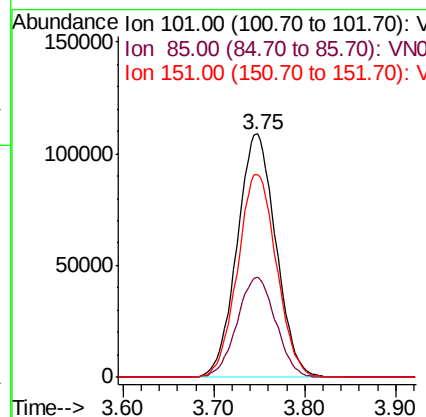
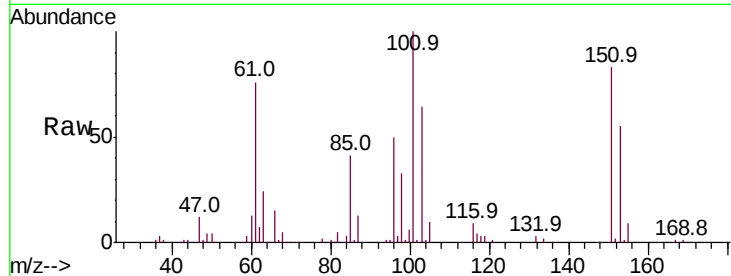
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	321884
Ion Ratio	Lower	Upper	
101	100		
85	40.9	0.0	85.0
151	83.8	0.0	167.2

Manual Integrations
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7/25/2019 2:20:04 PM



#10

1,1-Dichloroethene

Concen: 92.520 ug/l

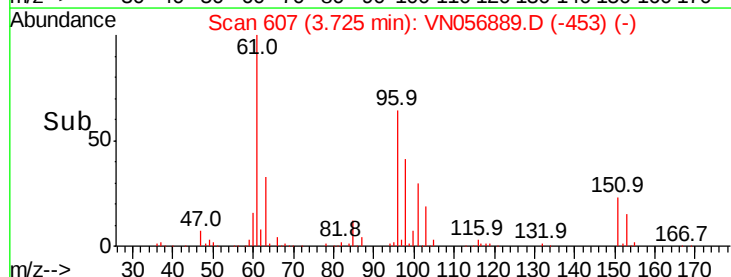
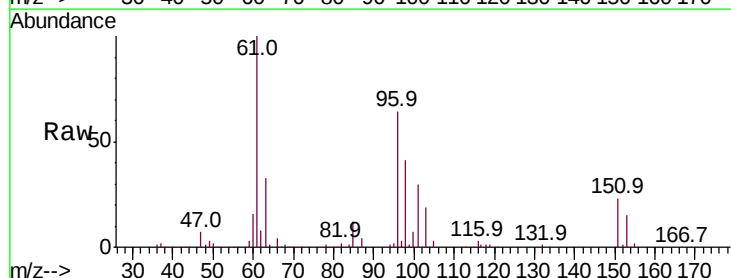
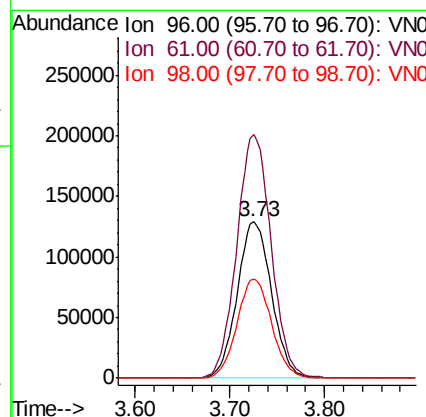
RT: 3.73 min Scan# 607

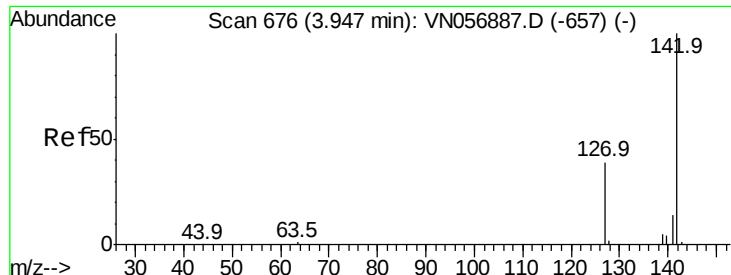
Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Tgt Ion:	96	Resp:	324836
Ion Ratio	Lower	Upper	
96	100		
61	155.9	125.8	188.8
98	63.4	52.7	79.1





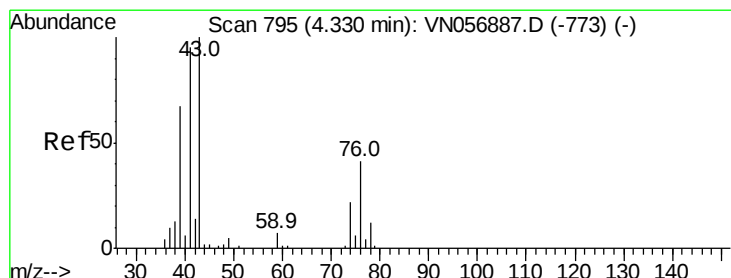
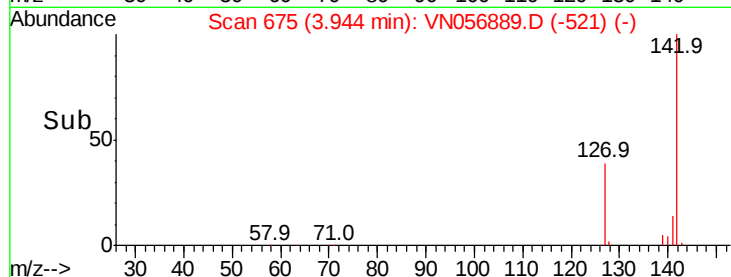
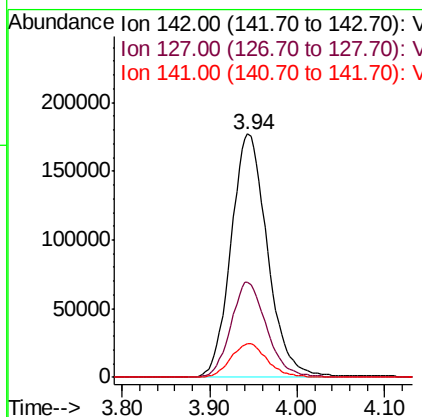
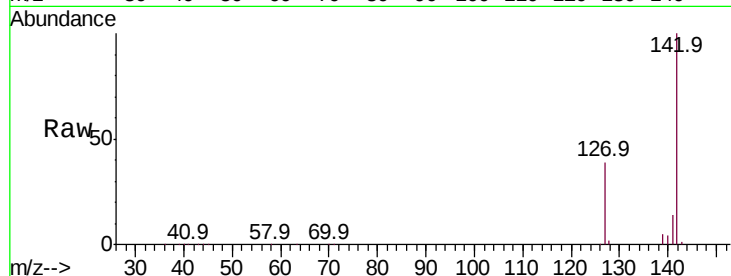
#11
Methyl Iodide
Concen: 107.561 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.1	19.6	58.8
141	13.9	7.2	21.6

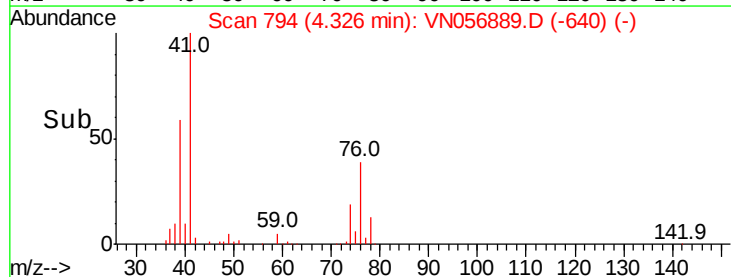
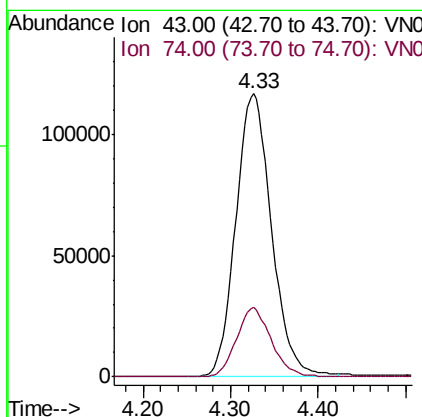
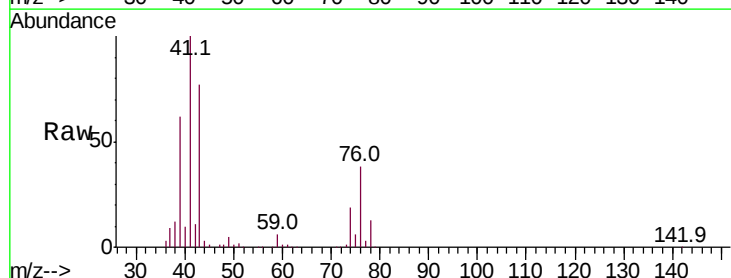
Manual Integrations
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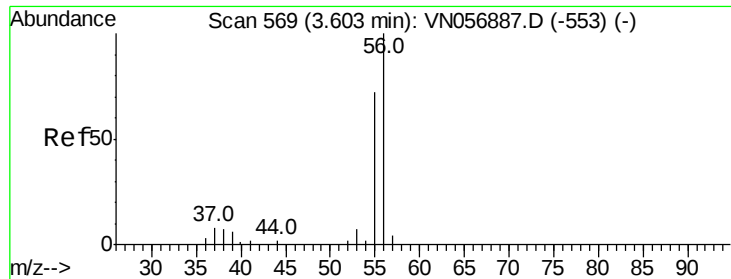
MMDadoda
7/25/2019 2:20:04 PM



#12
Methyl Acetate
Concen: 70.571 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.1	27.1





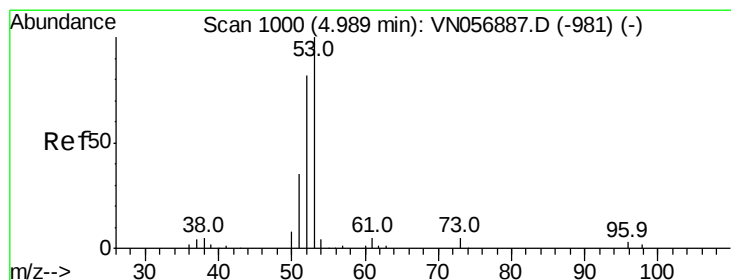
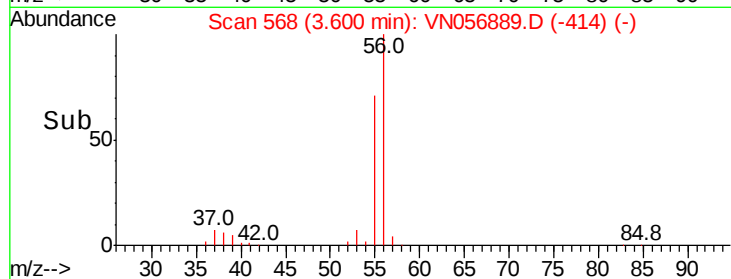
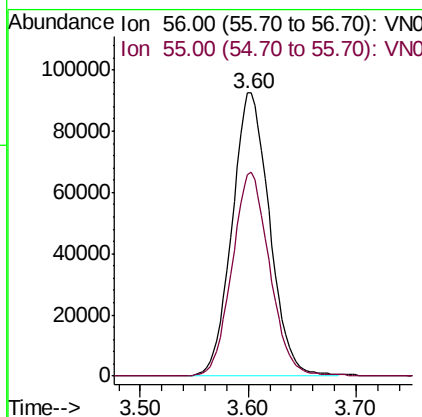
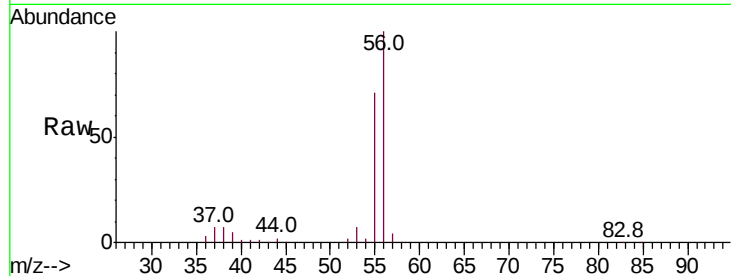
#13
Acrolein
Concen: 607.222 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 56 Resp: 223823
Ion Ratio Lower Upper
56 100
55 71.9 58.5 87.7

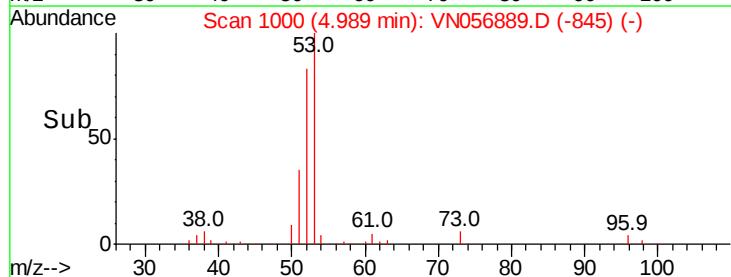
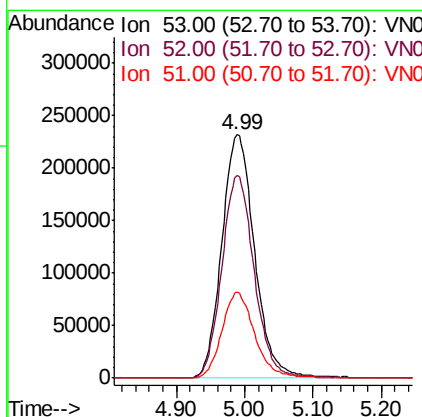
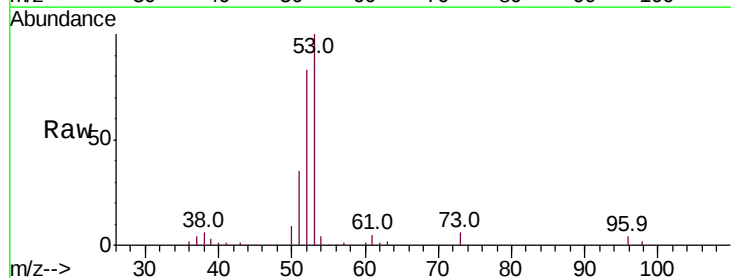
Manual Integrations
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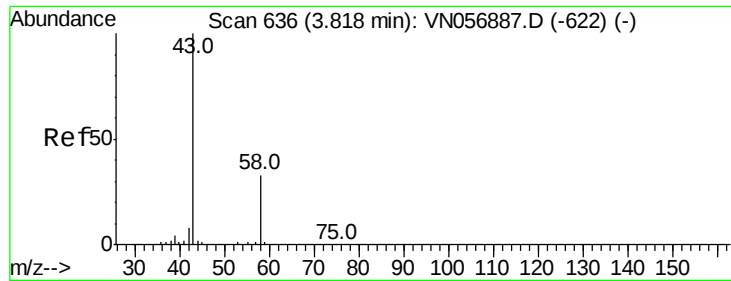
MMDadoda
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#14
Acrylonitrile
Concen: 385.910 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 53 Resp: 774603
Ion Ratio Lower Upper
53 100
52 81.8 40.8 122.5
51 35.1 17.4 52.2





#15

Acetone

Concen: 308.125 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 196848

Ion Ratio Lower Upper

58 100

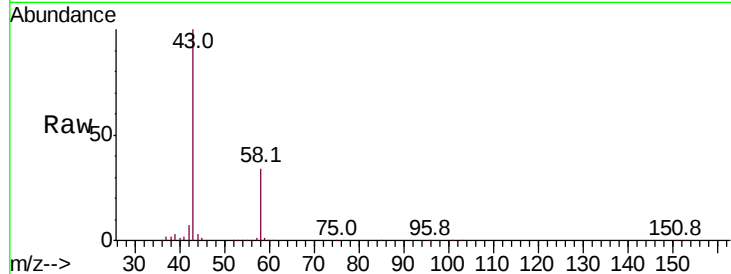
43 290.5 242.4 363.6

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN056889.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN056889.D (-481) (-)

250000

200000

150000

100000

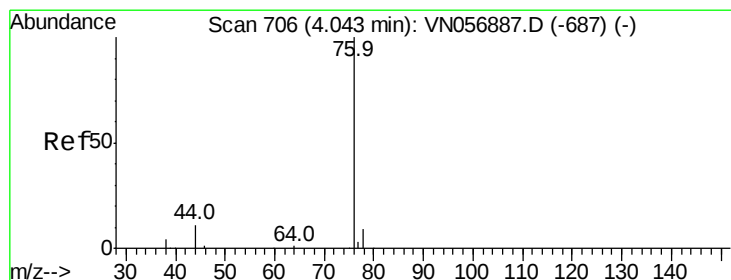
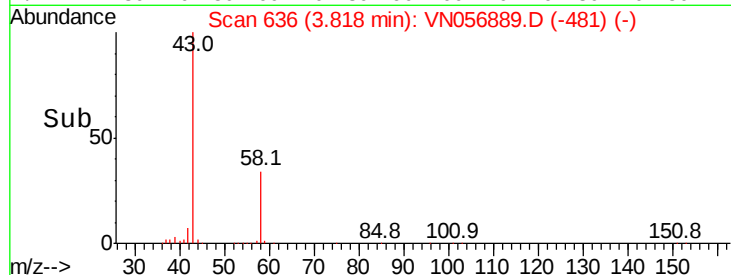
50000

0

3.82

3.70 3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 97.172 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN056889.D

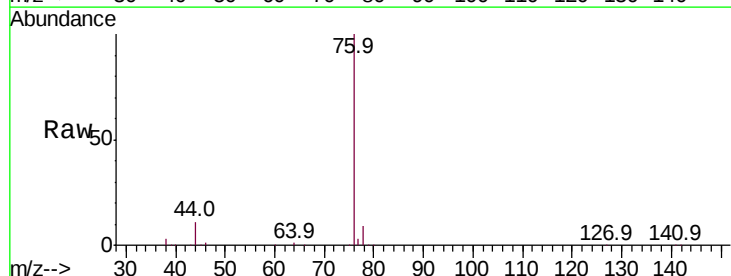
Acq: 23 Jul 2019 20:16

Tgt Ion: 76 Resp: 903502

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN056889.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN056889.D (-551) (-)

400000

300000

200000

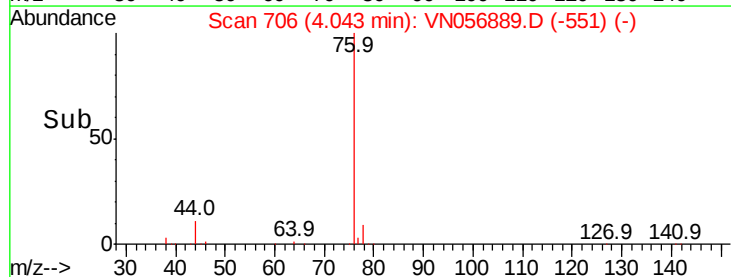
100000

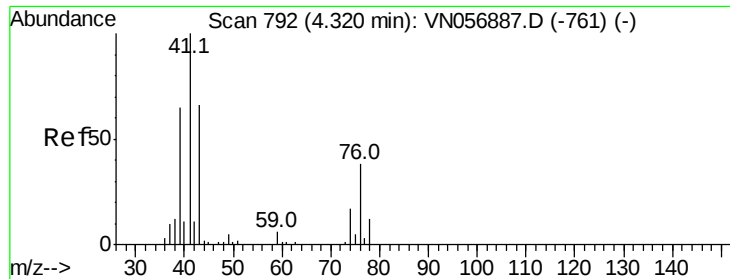
0

4.04

3.90 4.00 4.10 4.20

Time-->





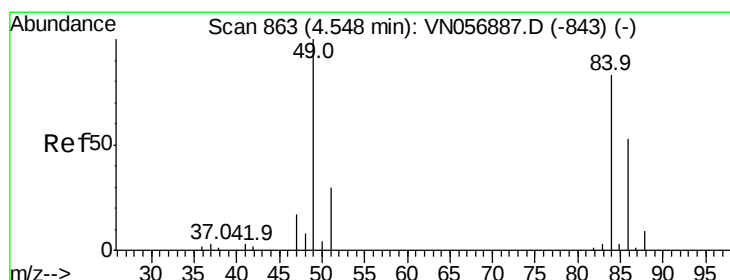
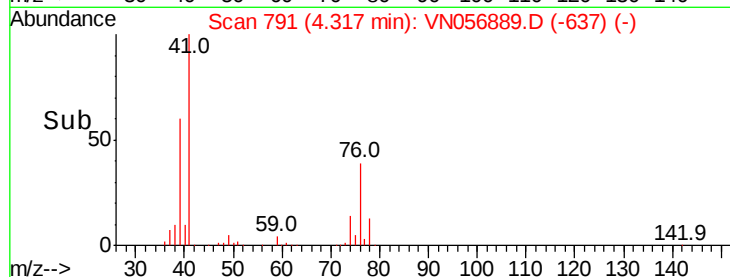
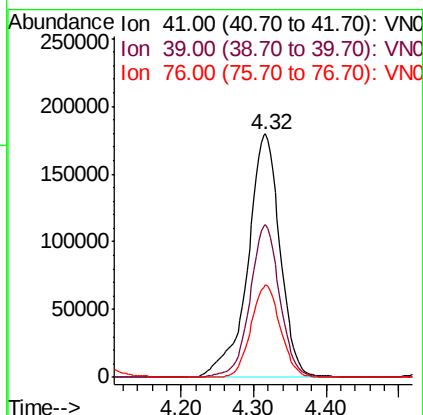
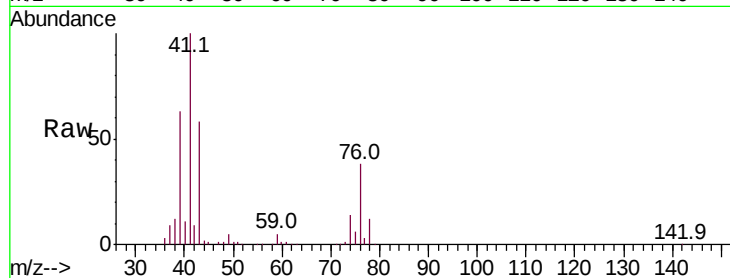
#17
Allvl chloride
Concen: 90.708 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.7	32.4	97.0
76	38.0	19.0	57.0

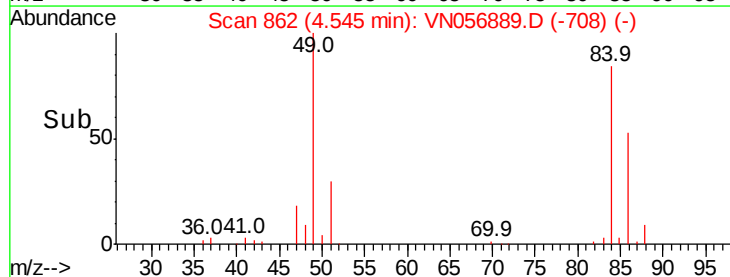
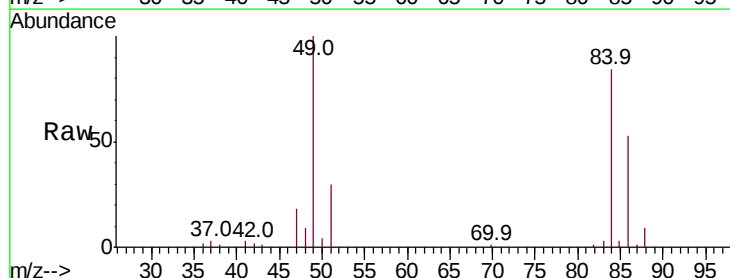
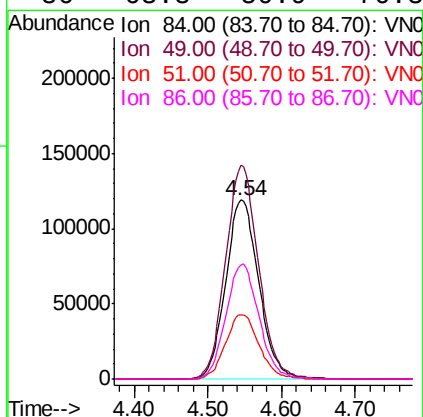
Manual Integrations
APPROVED

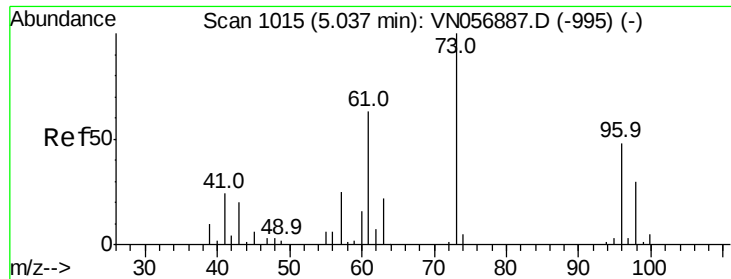
MMDadoda
7/25/2019 2:20:04 PM



#18
Methylene Chloride
Concen: 90.314 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.2	96.3	144.5
51	35.9	28.8	43.2
86	63.8	50.9	76.3





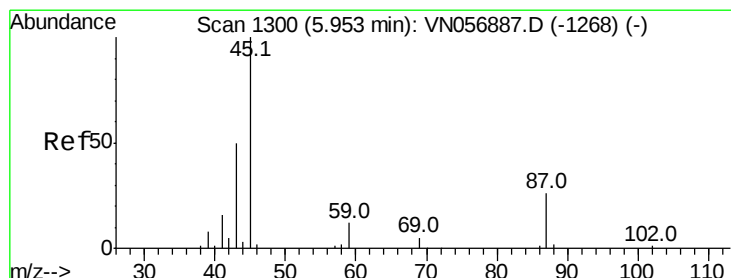
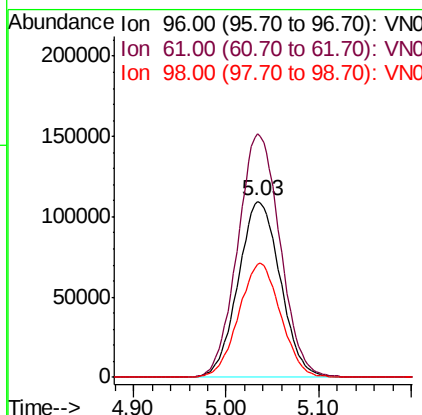
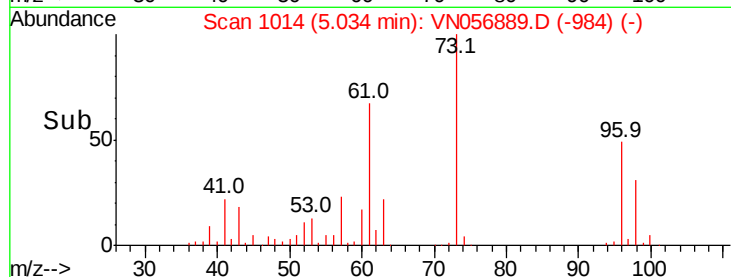
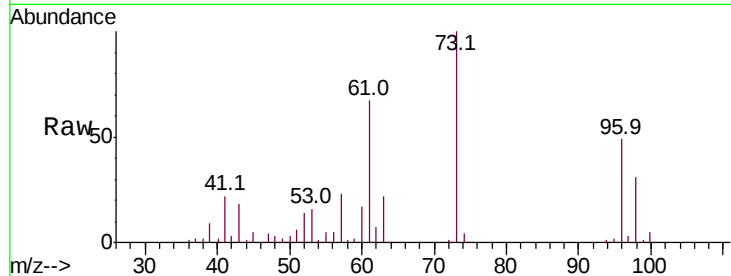
#19
trans-1,2-Dichloroethene
Concen: 92.505 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	105.4	158.0
98	64.2	50.8	76.2

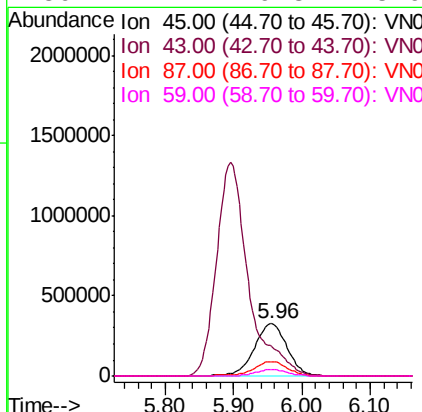
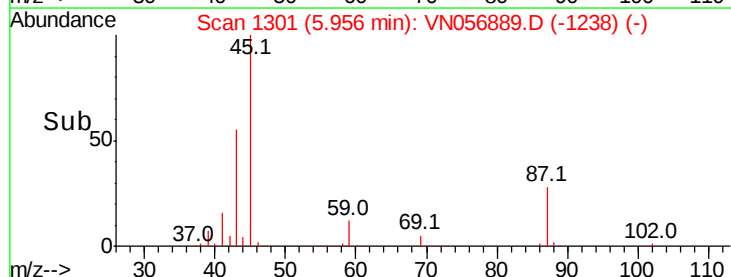
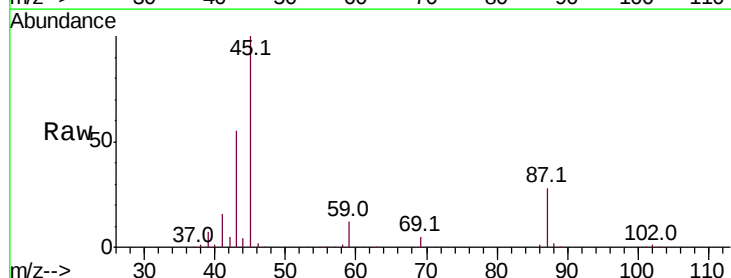
Manual Integrations
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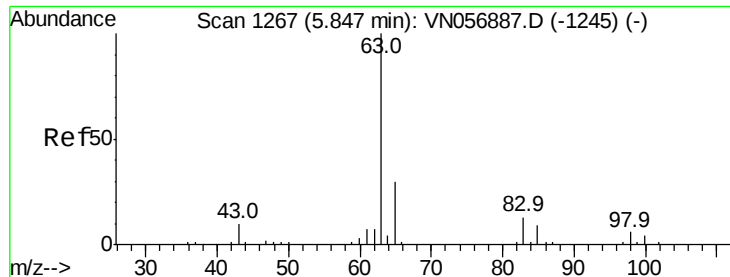
MMDadoda
7/25/2019 2:20:04 PM



#20
Diisopropyl ether
Concen: 89.688 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.6	47.4	71.0
87	28.2	21.7	32.5
59	11.7	9.3	13.9





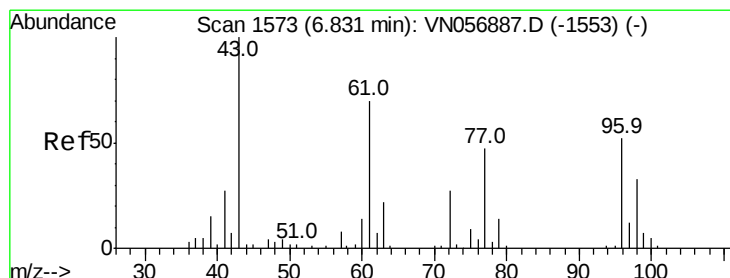
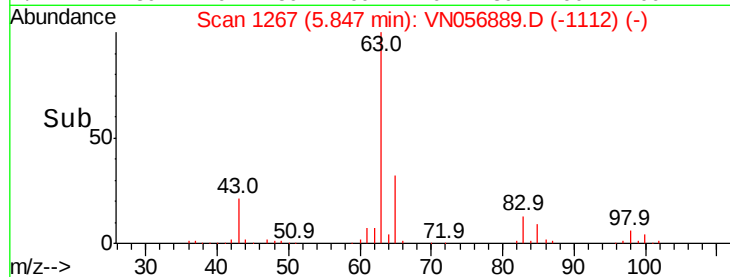
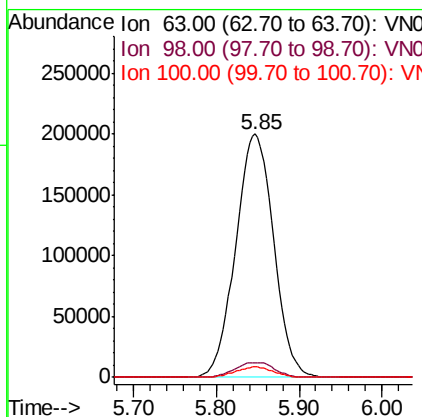
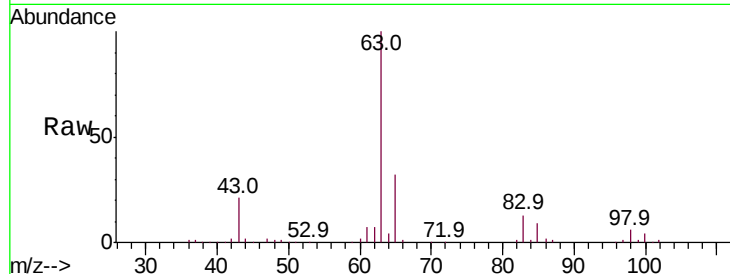
#21
 1,1-Dichloroethane
 Concen: 90.901 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.1	3.1	9.3	
100	4.2	1.8	5.5	

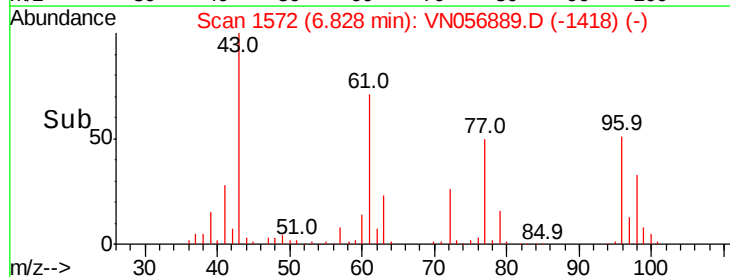
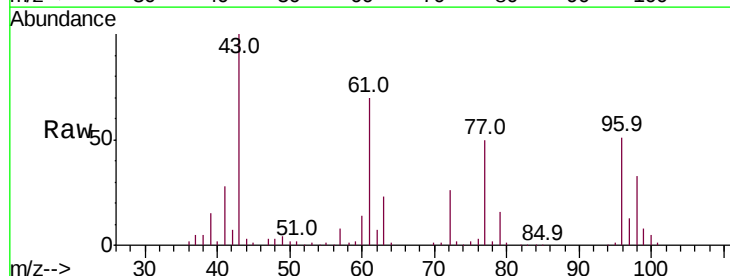
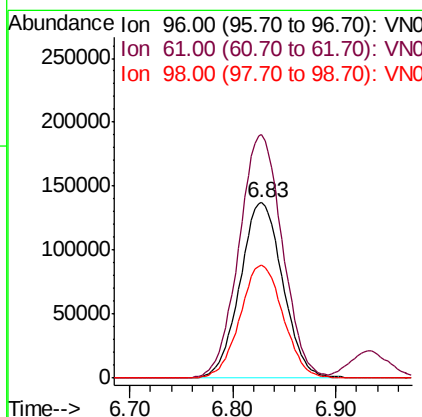
Manual Integrations
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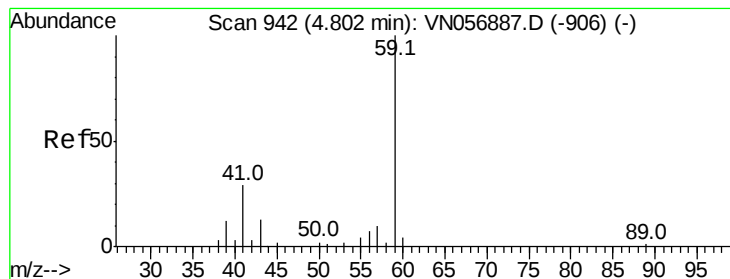
MMDadoda
 7/25/2019 2:20:04 PM



#22
 cis-1,2-Dichloroethene
 Concen: 90.159 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.8	111.6	167.4	
98	65.1	51.0	76.4	





#23

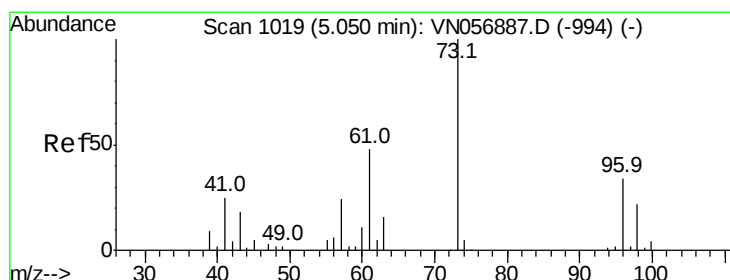
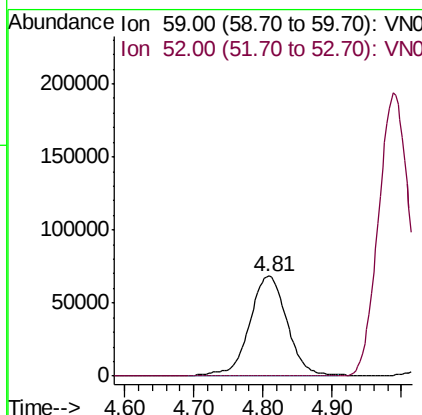
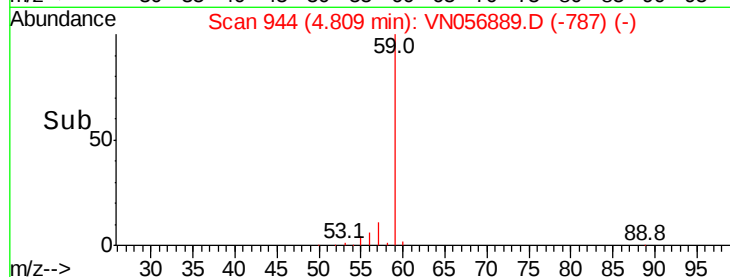
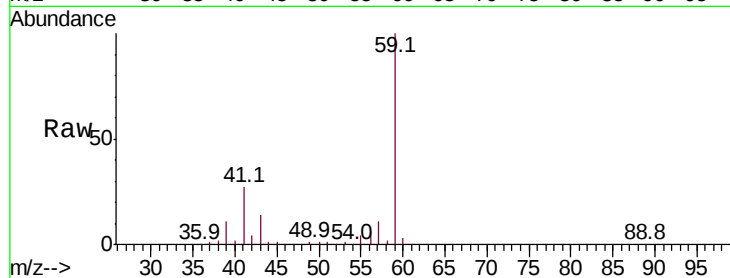
tert-Butyl Alcohol
 Concen: 362.901 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.01 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	59	52	Ratio	100	0.1	Resp	256438	Lower	0.0	Upper	0.0#
Ion	59	52	Ratio	100	0.1	Resp	256438	Lower	0.0	Upper	0.0#

Manual Integrations
 APPROVED

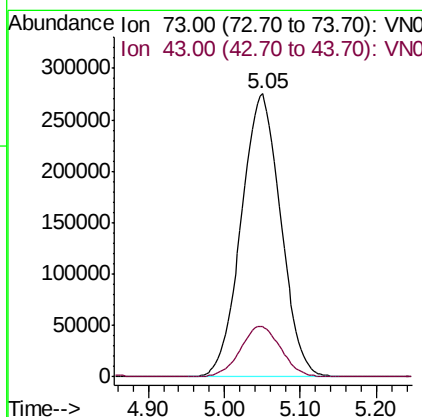
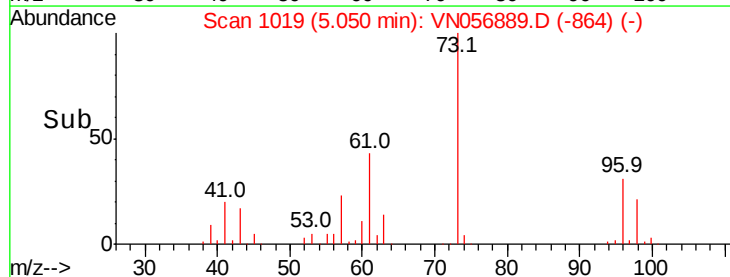
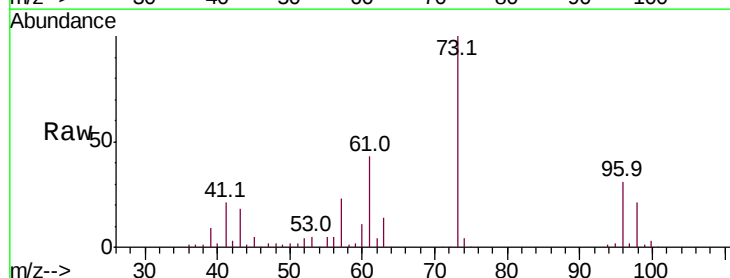
MMDadoda
 7/25/2019 2:20:04 PM

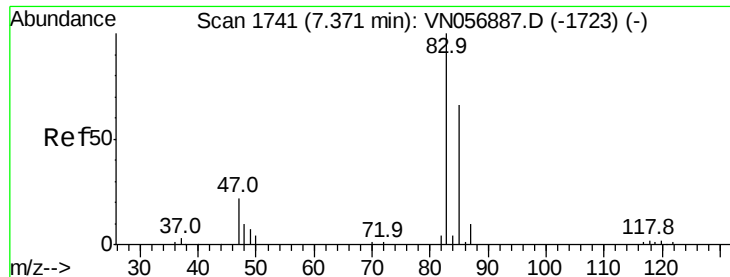


#24

Methyl tert-Butyl Ether
 Concen: 89.679 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	73	43	Ratio	100	18.0	Resp	994516	Lower	15.4	Upper	23.0
Ion	73	43	Ratio	100	18.0	Resp	994516	Lower	15.4	Upper	23.0





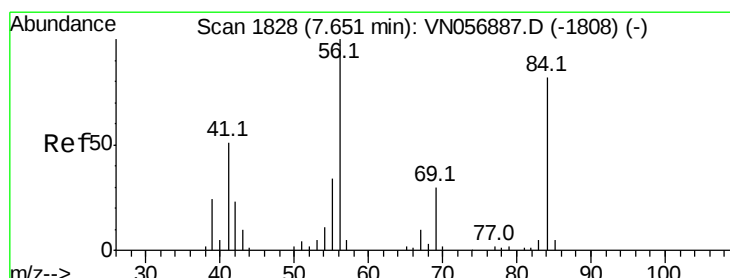
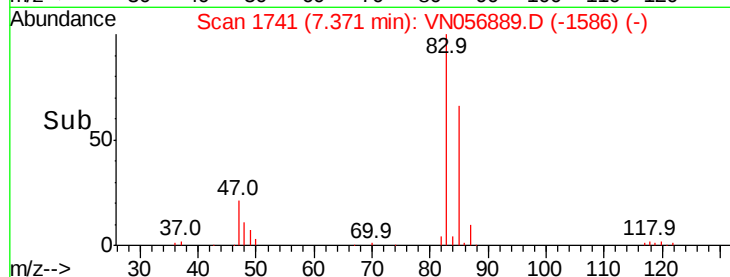
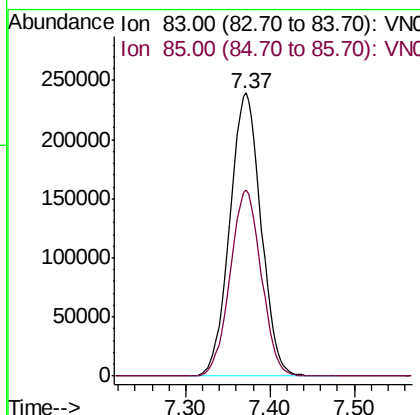
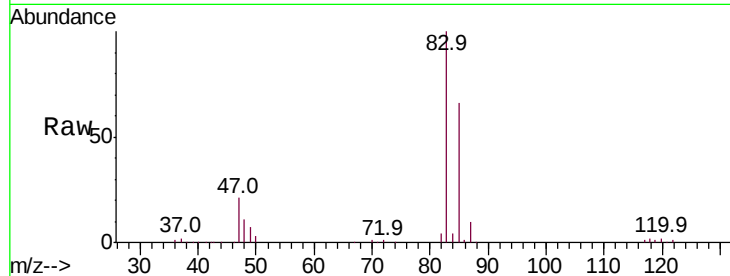
#25
Chloroform
Concen: 90.755 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 83 Resp: 616406
Ion Ratio Lower Upper
83 100
85 65.7 53.1 79.7

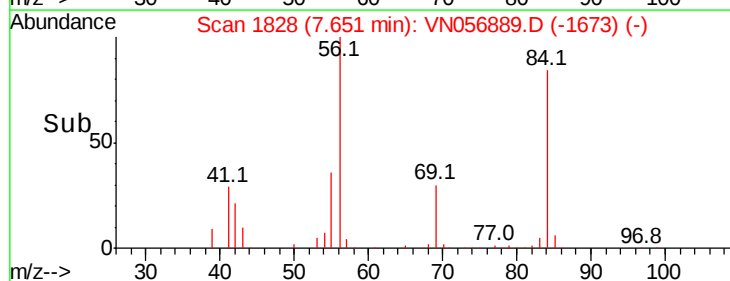
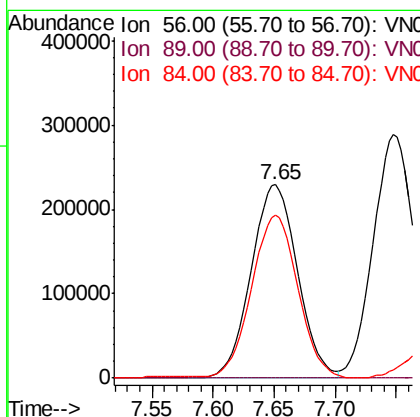
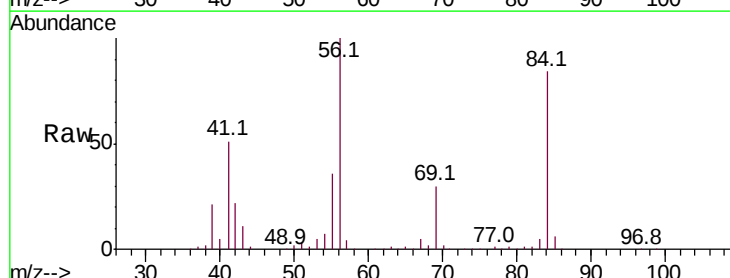
Manual Integrations
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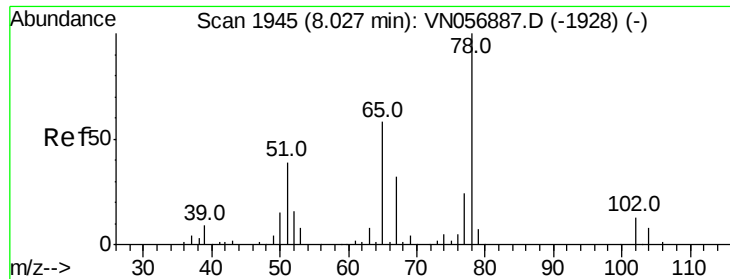
MMDadoda
7/25/2019 2:20:04 PM



#26
Cyclohexane
Concen: 94.013 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 56 Resp: 605031
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.2 67.8 101.6





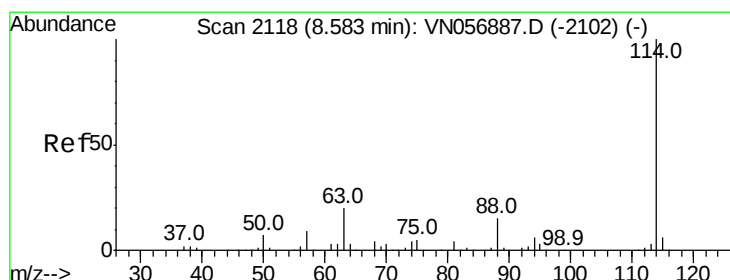
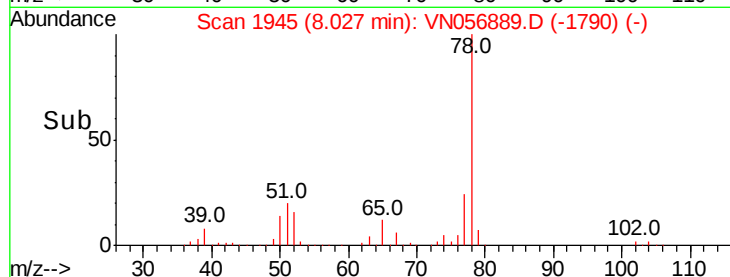
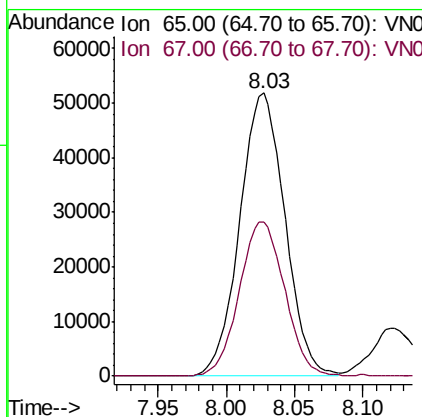
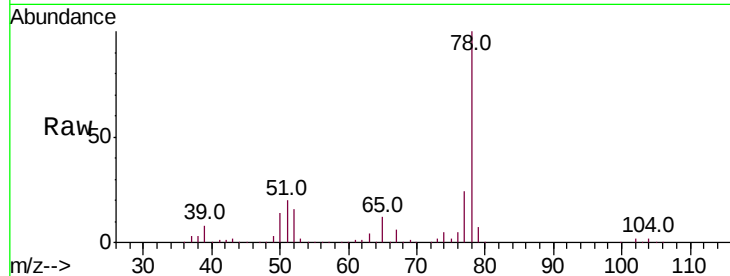
#27
 1,2-Dichloroethane-d4
 Concen: 29.113 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	44.6	66.8

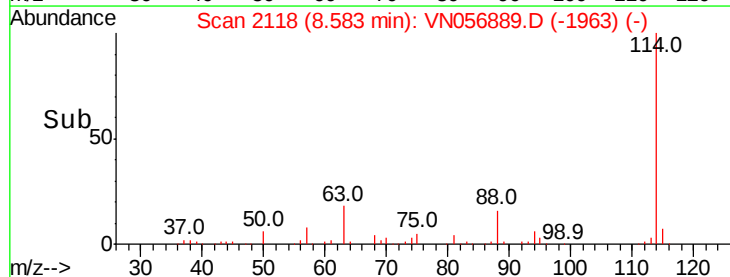
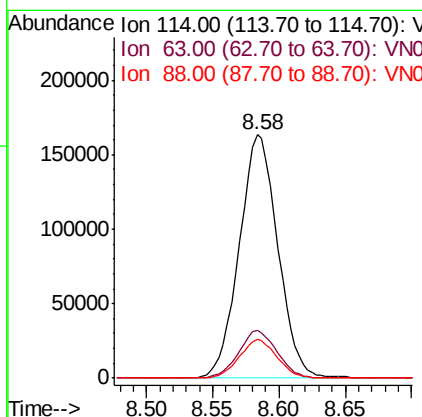
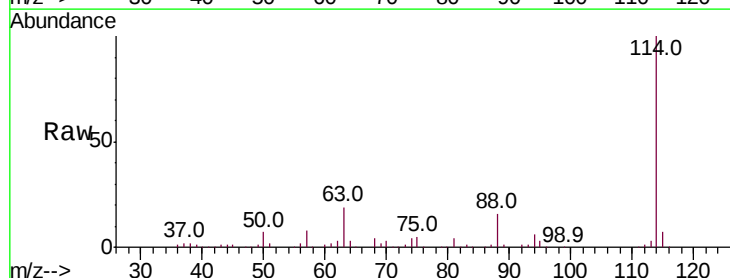
Manual Integrations
 APPROVED

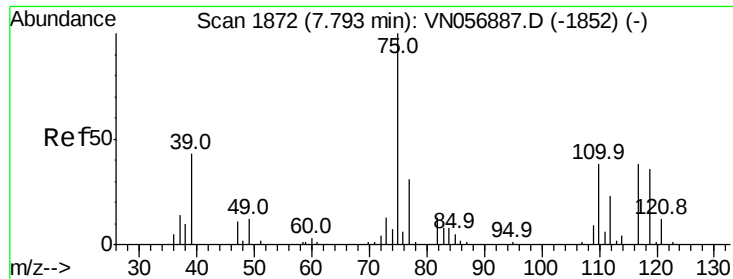
MMDadoda
 7/25/2019 2:20:04 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	15.8	23.6
88	15.7	12.5	18.7





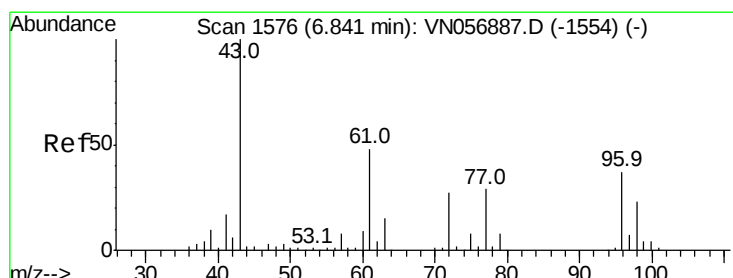
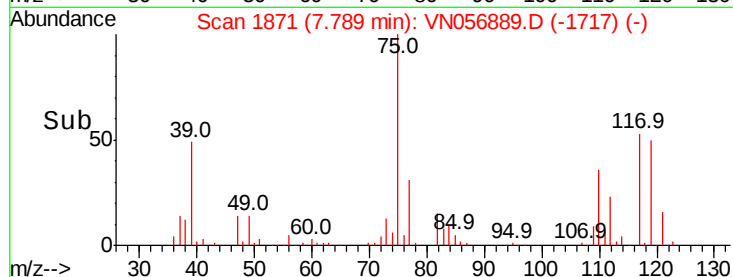
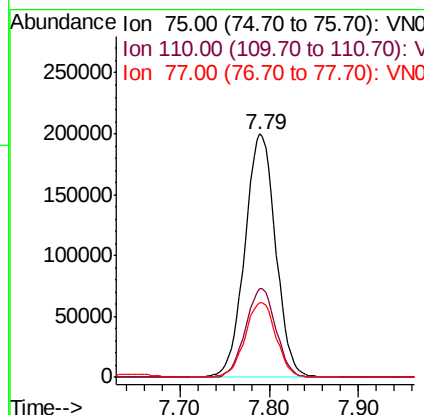
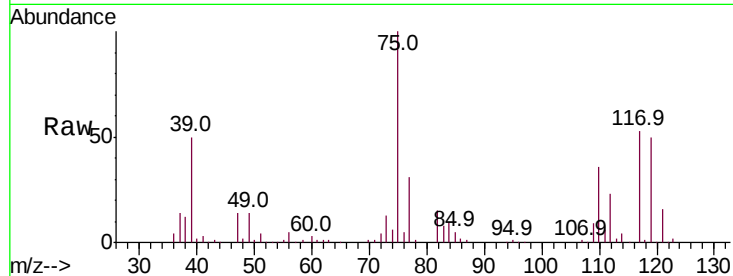
#29
 1,1-Dichloropropene
 Concen: 94.479 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	0.0	75.8
77	31.3	0.0	64.0

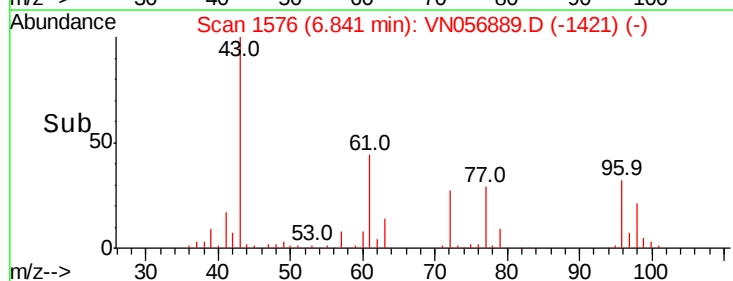
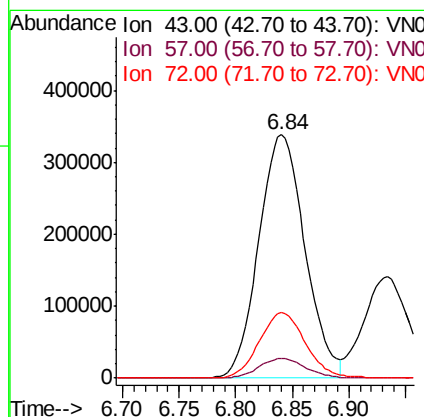
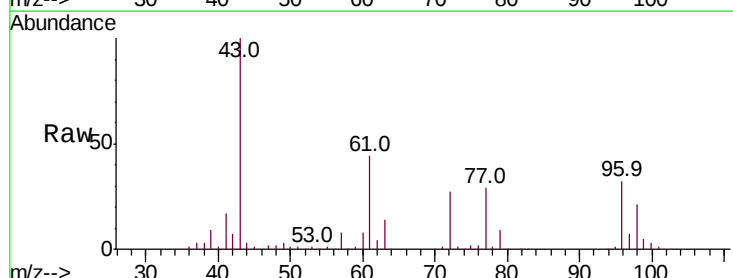
Manual Integrations
 APPROVED

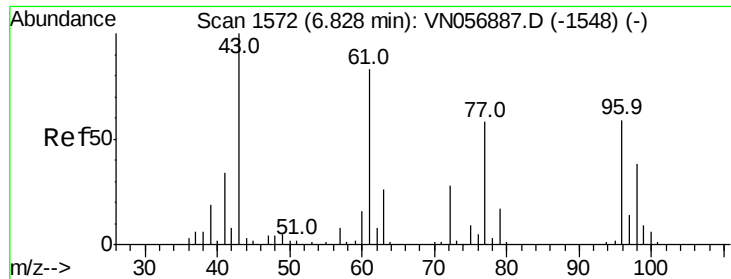
MMDadoda
 7/25/2019 2:20:04 PM



#30
 2-Butanone
 Concen: 346.704 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.5	9.7
72	27.2	22.1	33.1





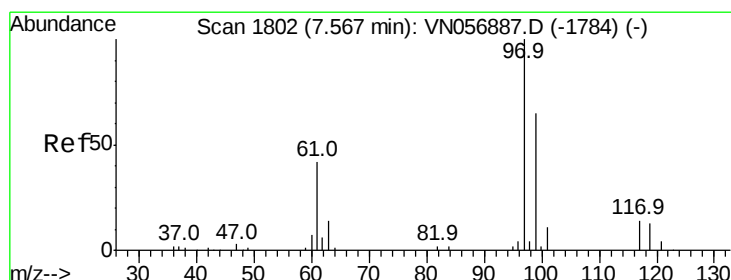
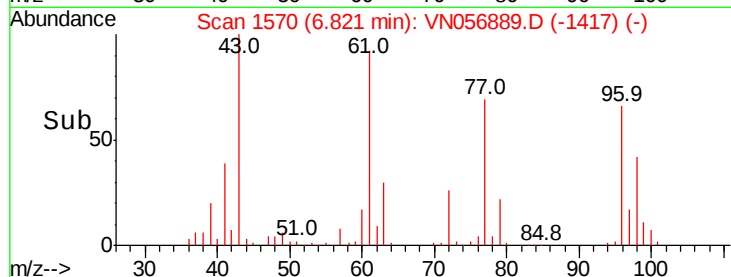
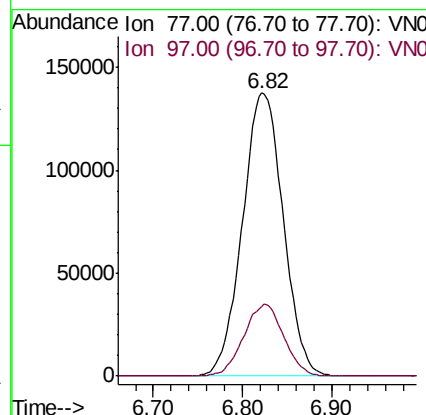
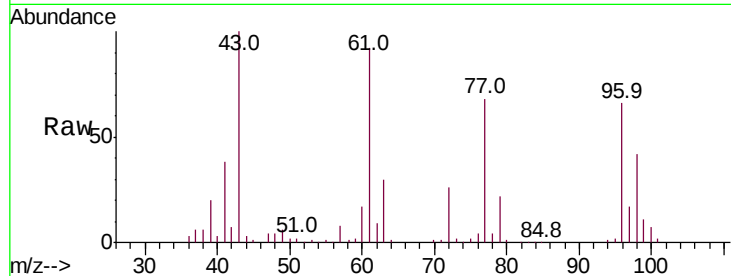
#31
 2,2-Dichloropropane
 Concen: 89.222 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 77 Resp: 437671
 Ion Ratio Lower Upper
 77 100
 97 24.9 19.3 28.9

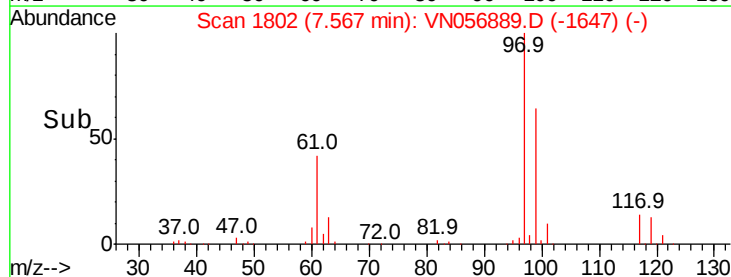
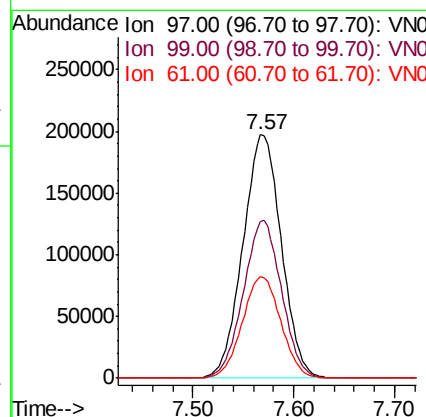
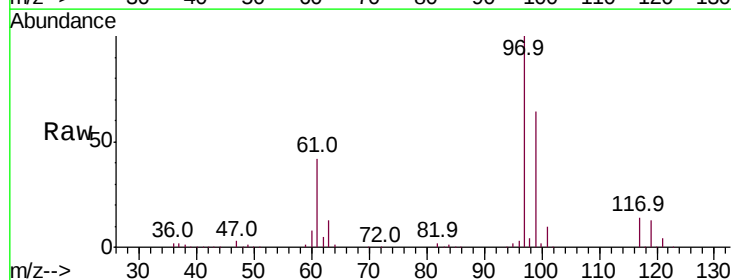
Manual Integrations
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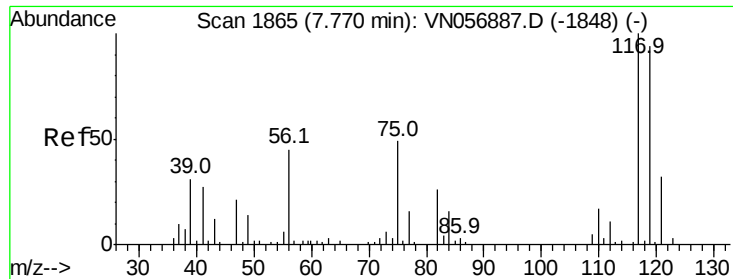
MMDadoda
 7/25/2019 2:20:04 PM



#32
 1,1,1-Trichloroethane
 Concen: 95.328 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion: 97 Resp: 521342
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.3 78.5
 61 41.9 34.4 51.6





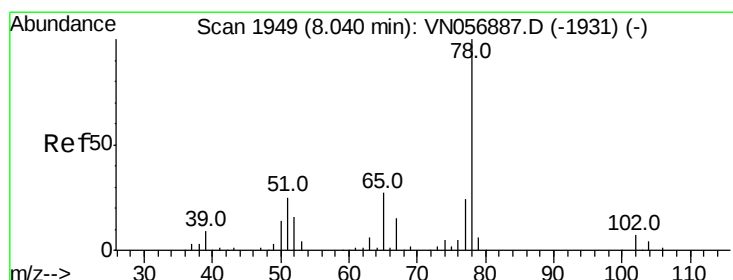
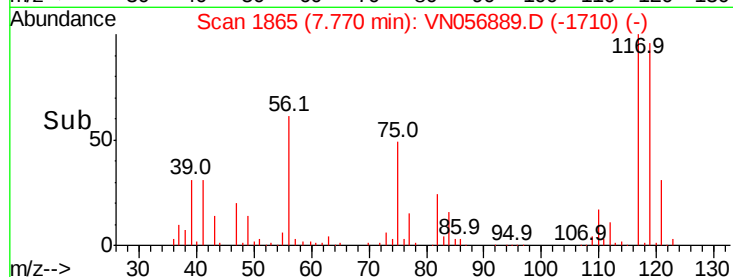
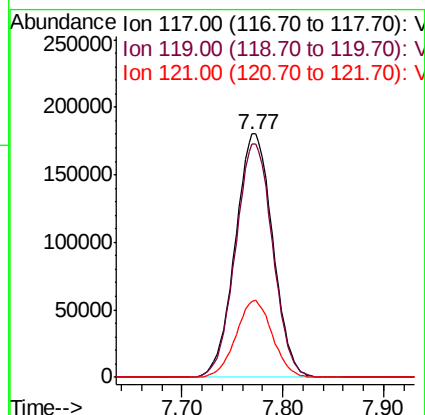
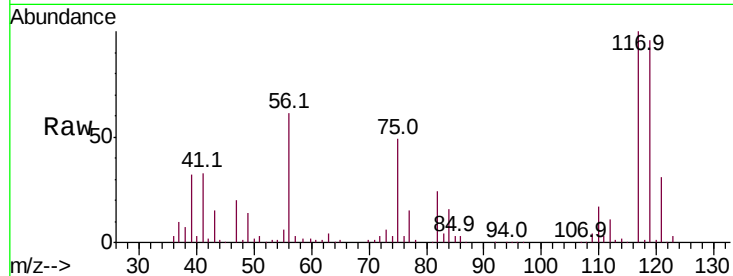
#33
Carbon Tetrachloride
Concen: 98.733 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.1	112.7
121	31.4	25.8	38.8

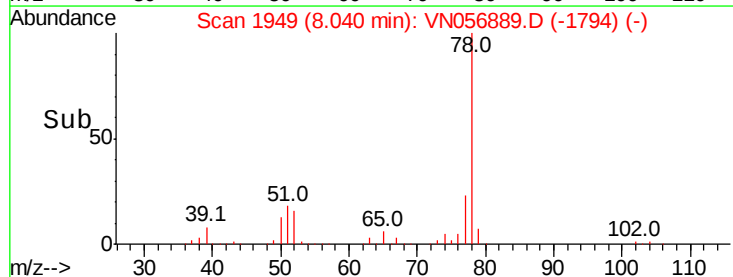
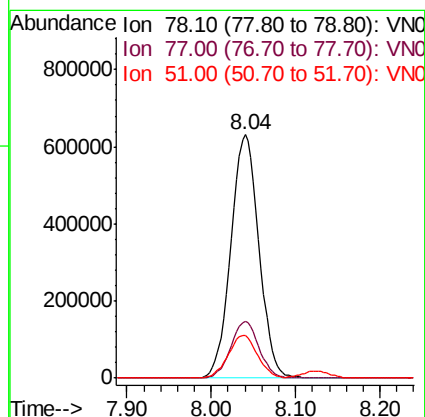
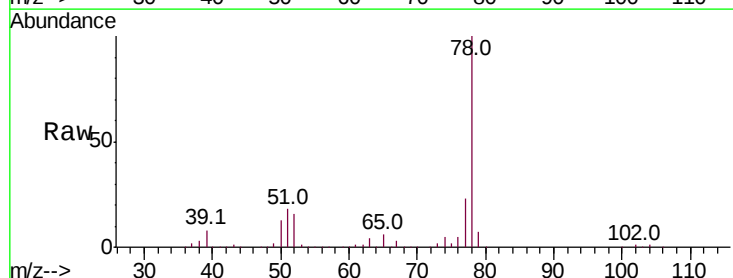
Manual Integrations
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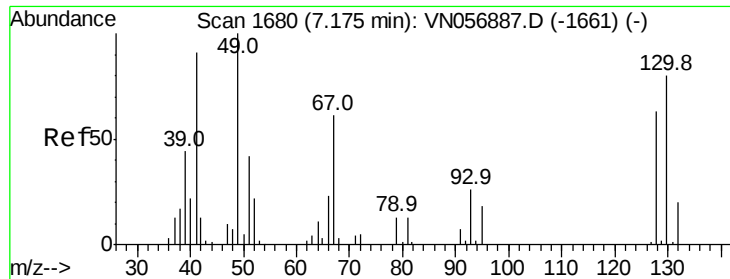
MMDadoda
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#34
Benzene
Concen: 92.799 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.2
51	17.7	20.4	30.6#





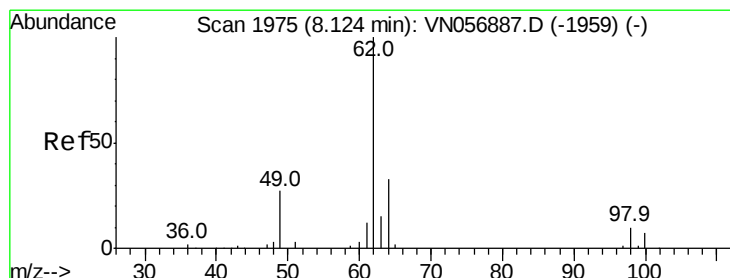
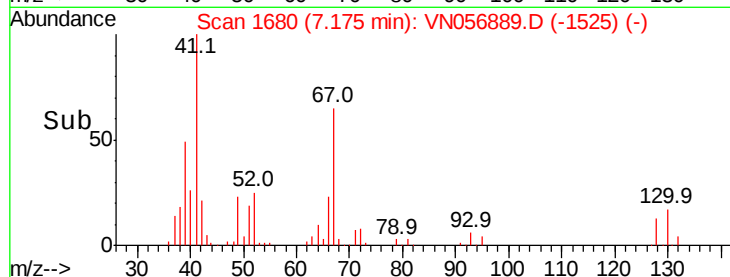
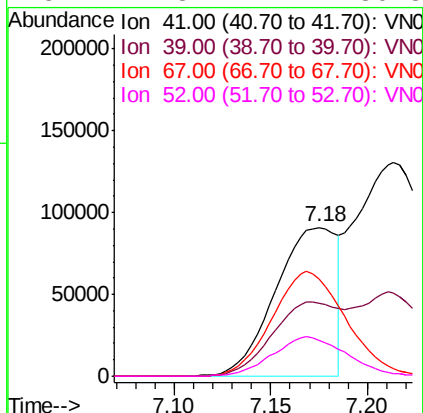
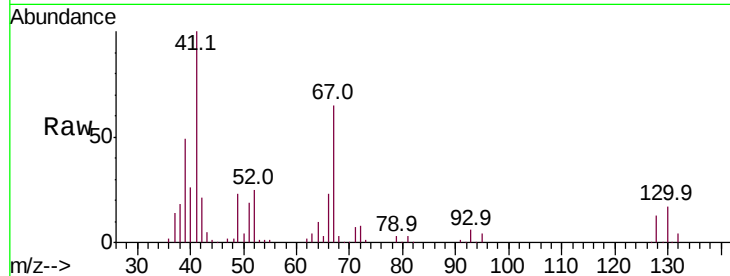
#35
Methacrylonitrile
Concen: 86.859 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.7	24.4	73.2
67	65.2	33.4	100.1
52	24.3	12.1	36.3

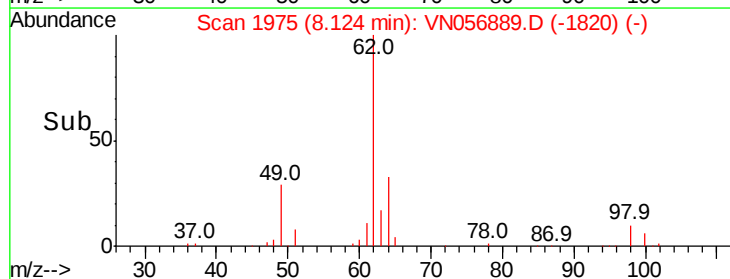
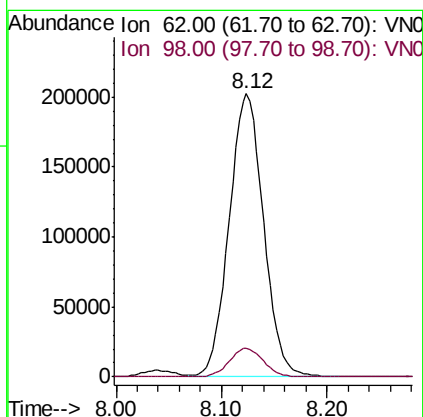
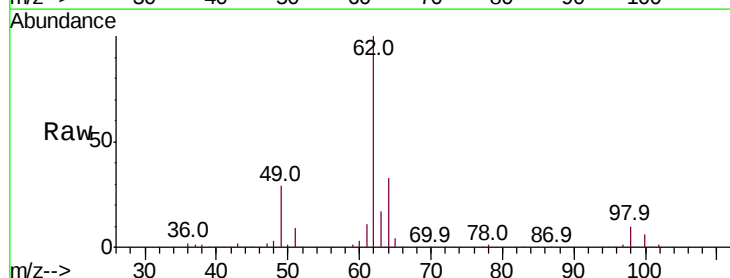
Manual Integrations
APPROVED

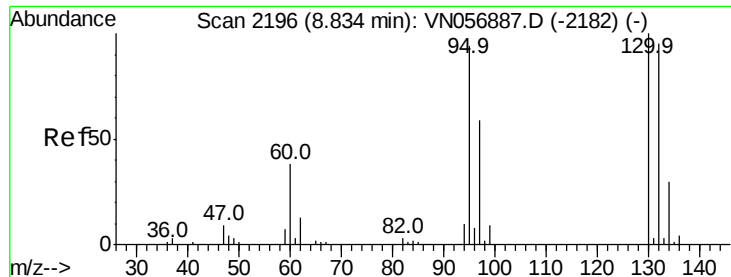
MMDadoda
7/25/2019 2:20:04 PM



#36
1,2-Dichloroethane
Concen: 90.753 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.7	11.5





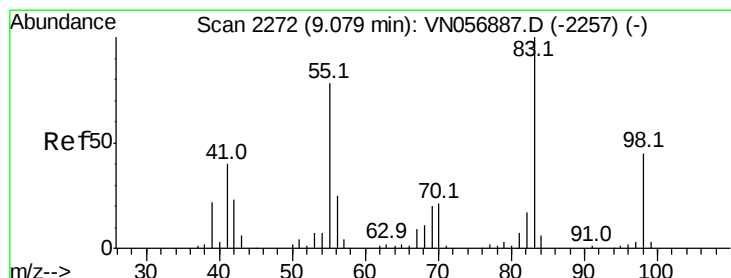
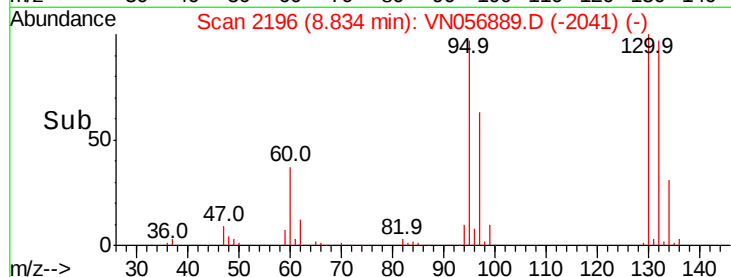
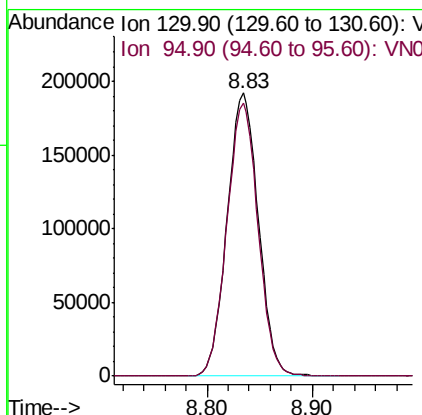
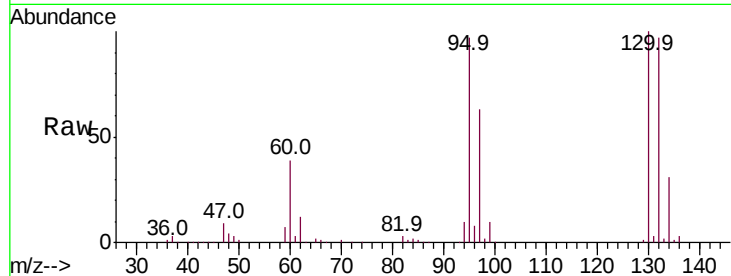
#37
 Trichloroethene
 Concen: 92.529 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 393769
 Ion Ratio Lower Upper
 130 100
 95 96.6 74.9 112.3

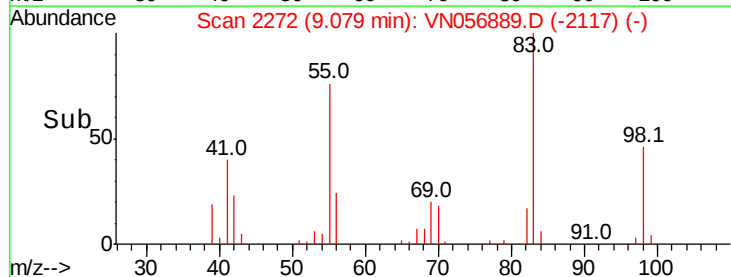
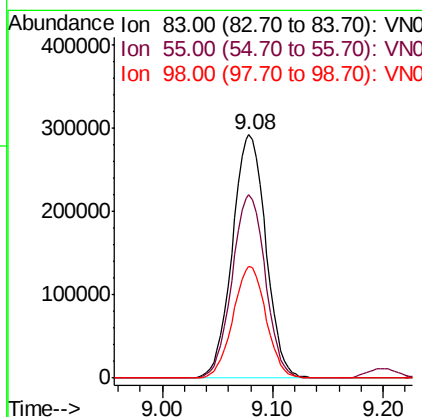
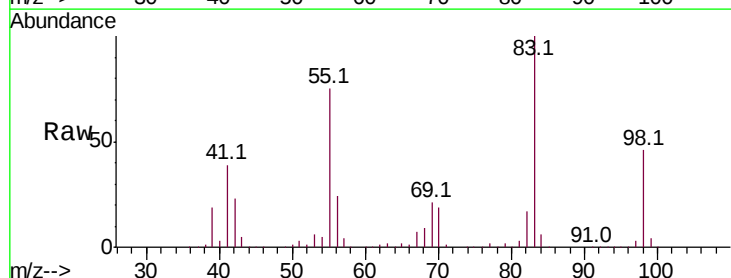
Manual Integrations
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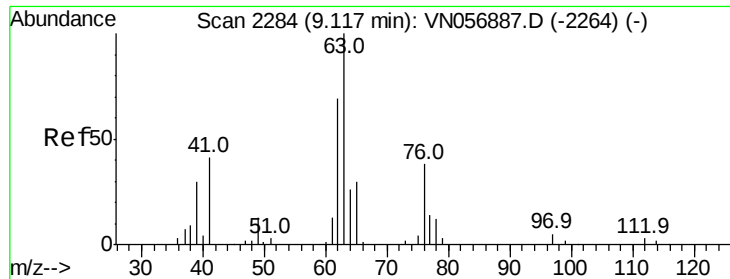
MMDadoda
 7/25/2019 2:20:04 PM



#38
 Methylcyclohexane
 Concen: 96.135 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion: 83 Resp: 615574
 Ion Ratio Lower Upper
 83 100
 55 74.8 38.4 115.1
 98 45.3 22.7 68.0





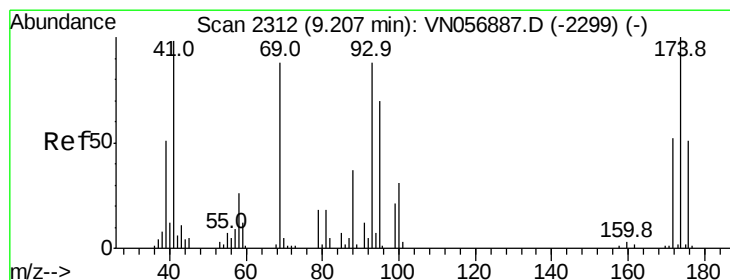
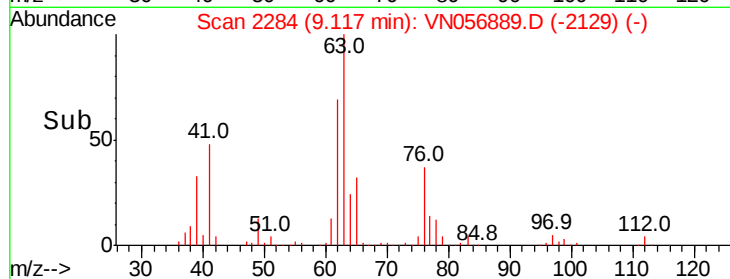
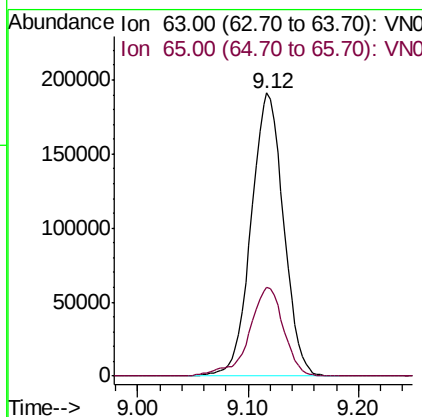
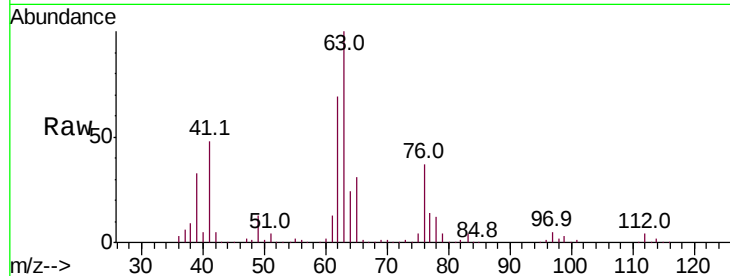
#39
 1,2-Dichloropropane
 Concen: 92.578 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

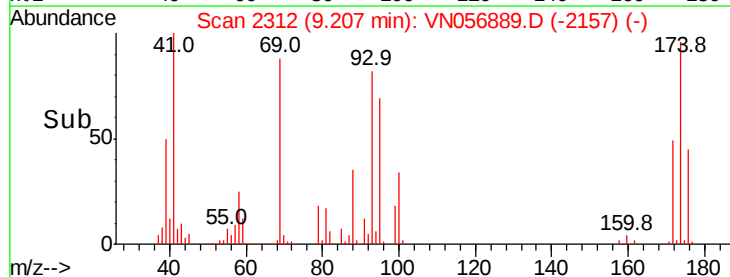
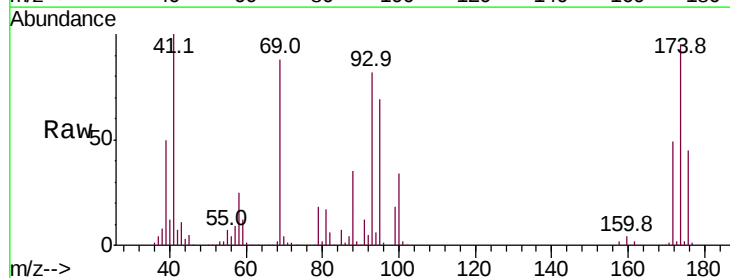
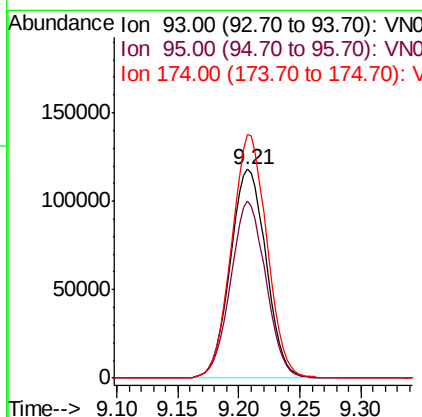
Manual Integrations
 APPROVED

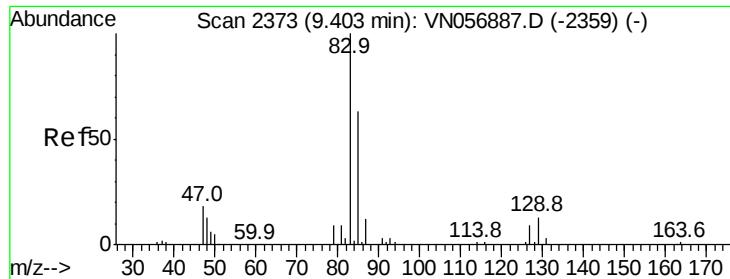
MMDadoda
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#40
 Dibromomethane
 Concen: 90.320 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	165.8
174	114.9	0.0	232.4





#41

Bromodichloromethane

Concen: 95.579 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 473669

Ion Ratio Lower Upper

83 100

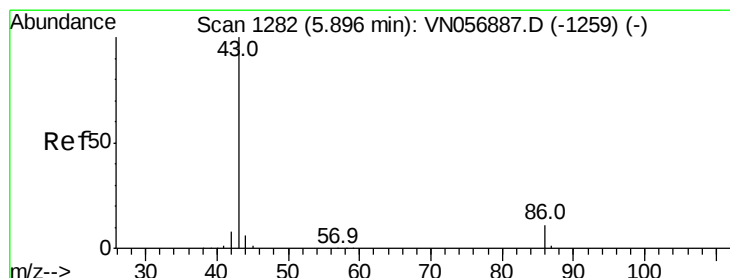
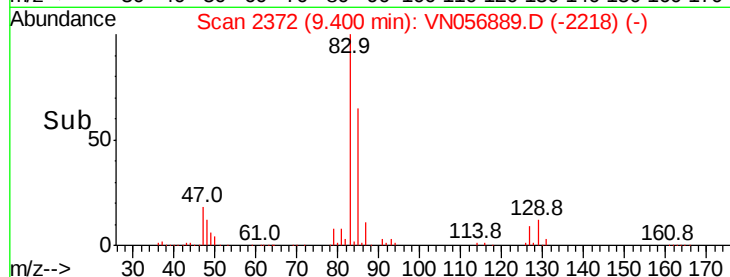
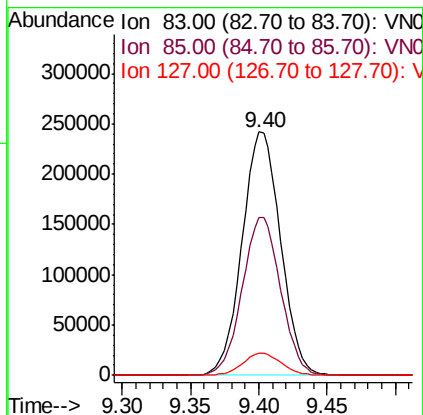
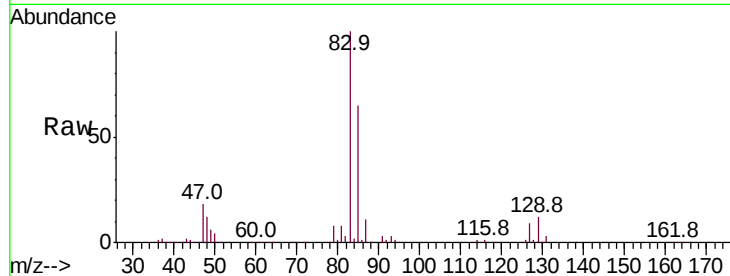
85 64.9 50.6 75.8

127 9.2 7.2 10.8

Manual Integrations
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MMDadoda

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#42

Vinyl Acetate

Concen: 449.793 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056889.D

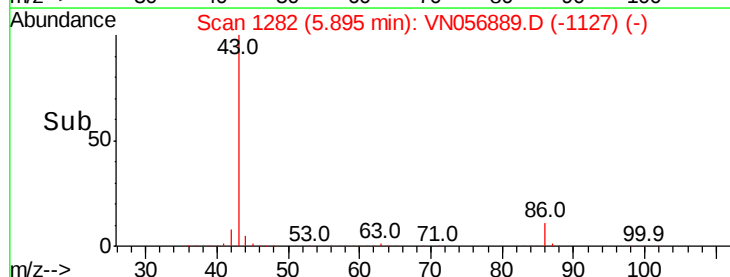
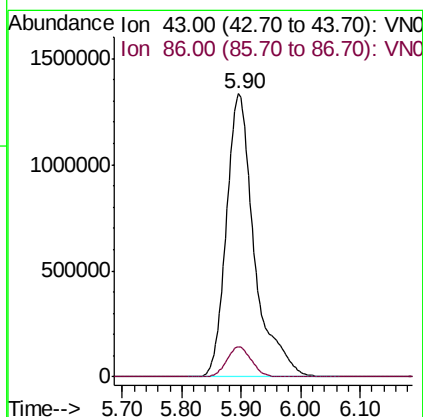
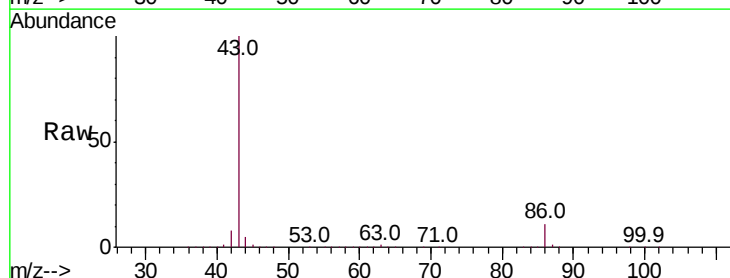
Acq: 23 Jul 2019 20:16

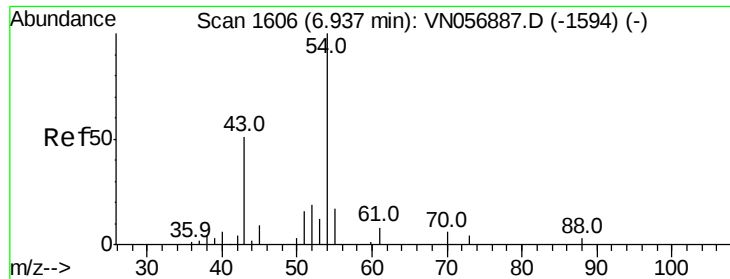
Tgt Ion: 43 Resp: 4358575

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.2





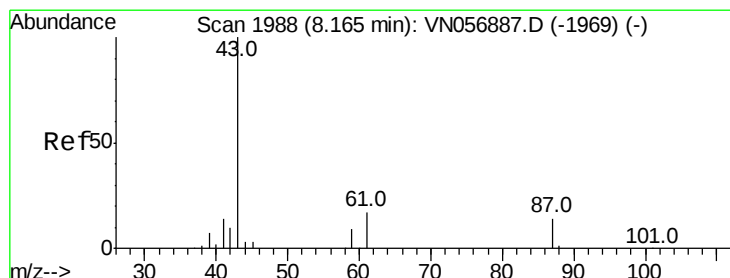
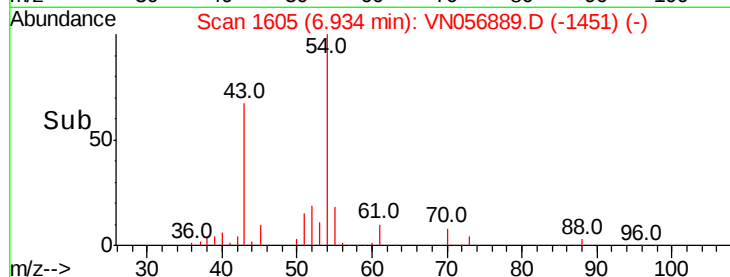
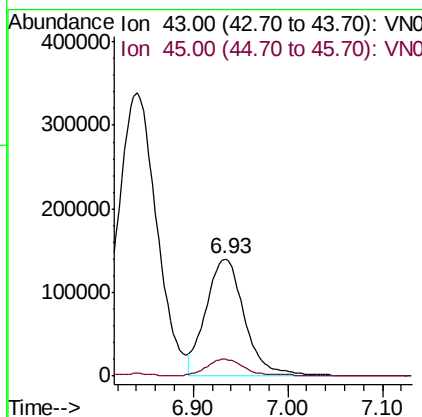
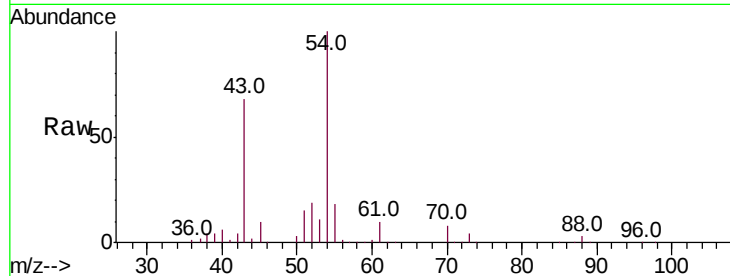
#43
Ethyl Acetate
Concen: 76.507 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 391418
Ion Ratio Lower Upper
43 100
45 15.0 10.2 15.2

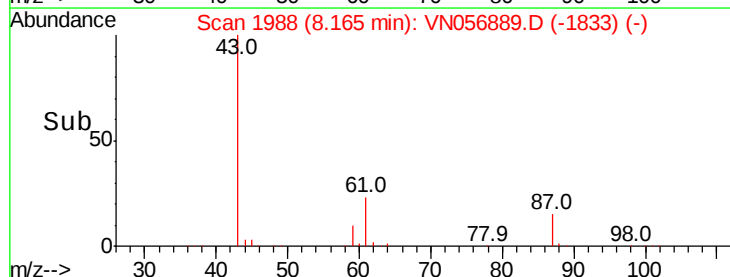
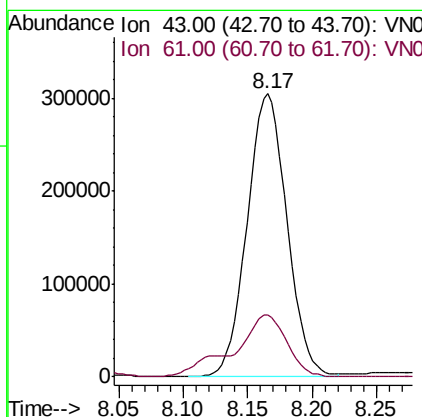
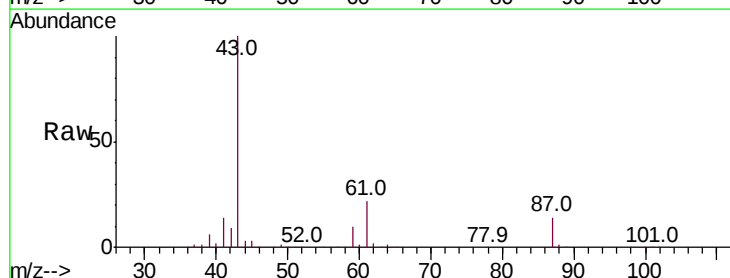
Manual Integrations
APPROVED

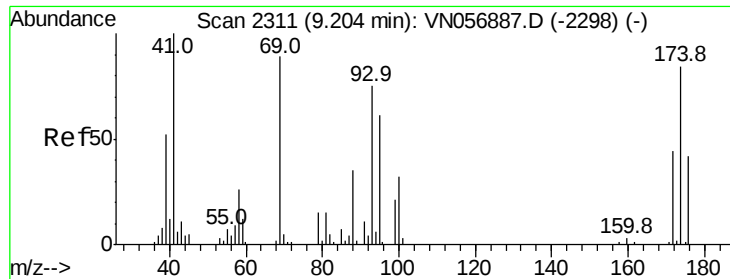
MMDadoda
7/25/2019 2:20:04 PM



#44
Isopropyl Acetate
Concen: 80.430 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 43 Resp: 655623
Ion Ratio Lower Upper
43 100
61 22.5 23.0 34.4#





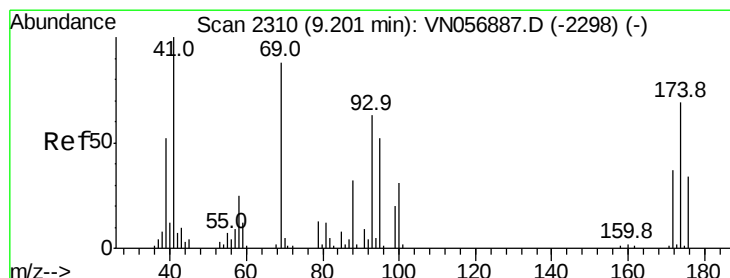
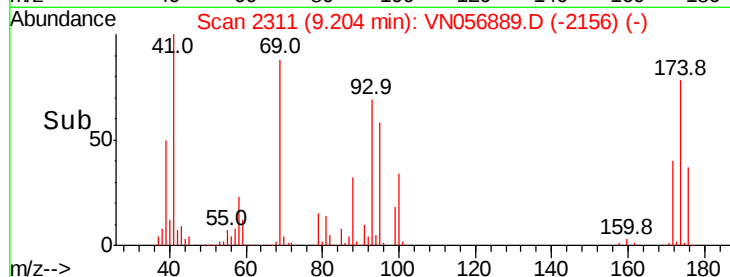
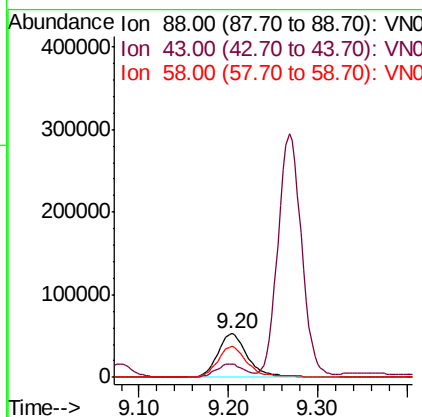
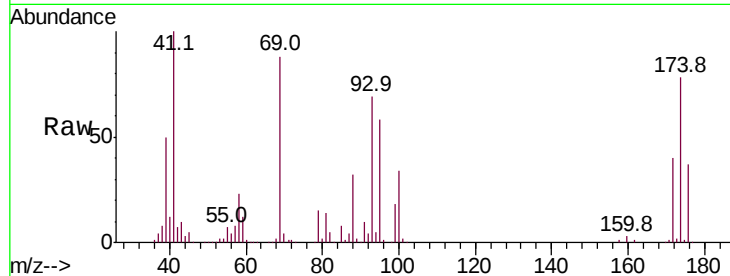
#45
 1,4-Dioxane
 Concen: 1542.988 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.4	35.0
58	67.5	58.5	87.7

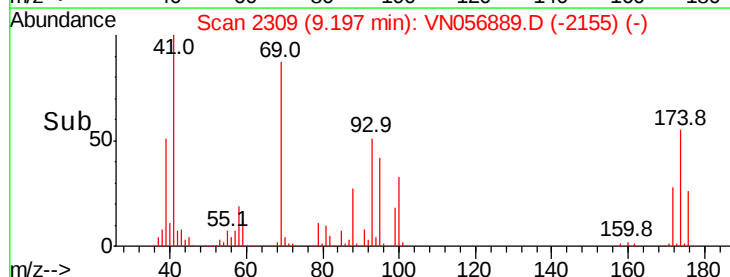
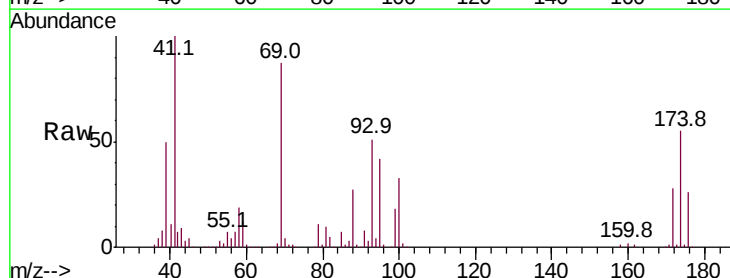
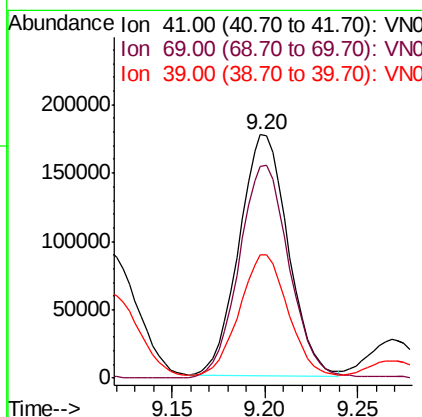
Manual Integrations
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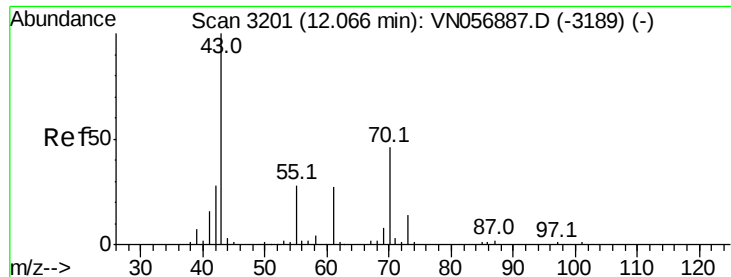
MMDadoda
 7/25/2019 2:20:04 PM



#46
 Methyl methacrylate
 Concen: 83.092 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.8	44.0	132.0
39	49.9	25.8	77.4





#47

n-amvl Acetate

Concen: 85.848 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 567569

Ion Ratio Lower Upper

43 100

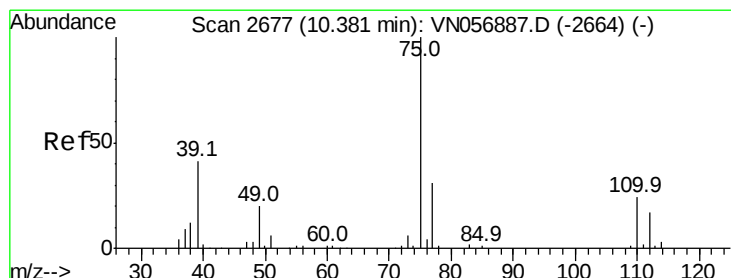
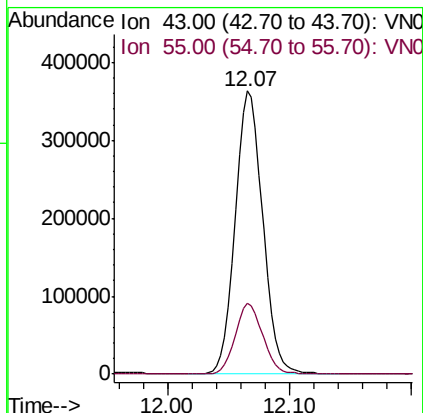
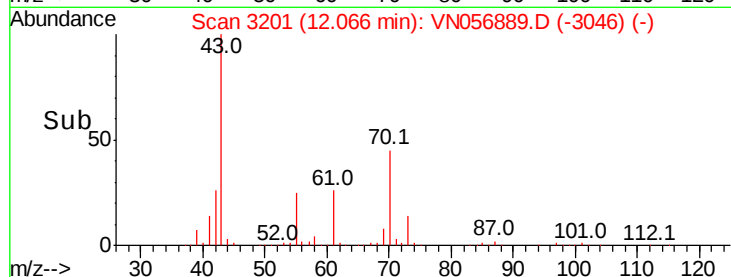
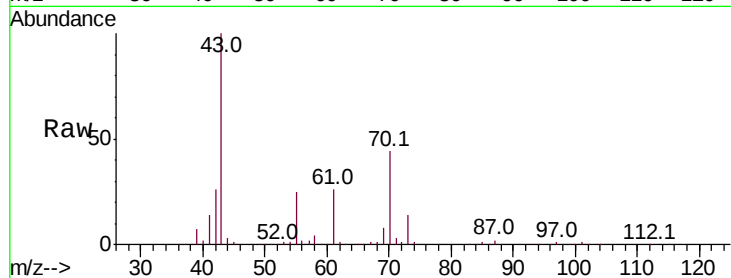
55 25.2 21.3 31.9

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 95.107 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056889.D

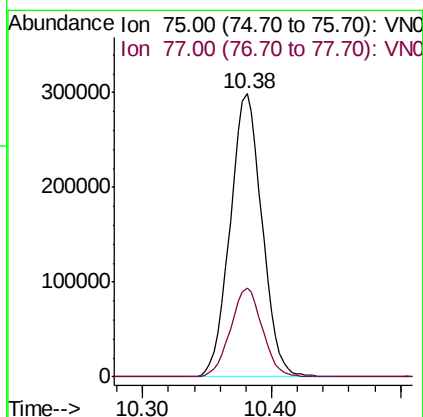
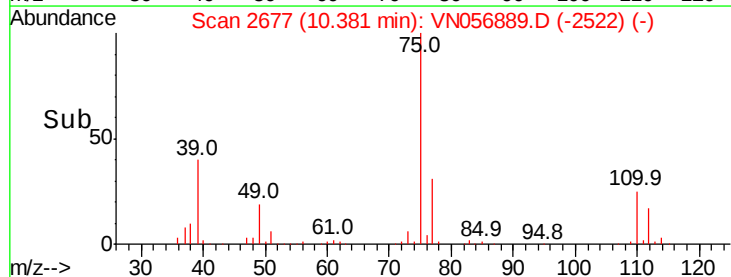
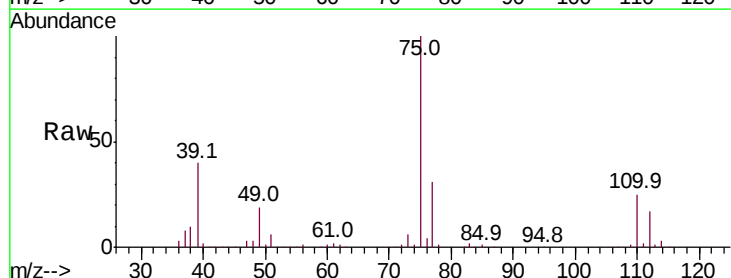
Acq: 23 Jul 2019 20:16

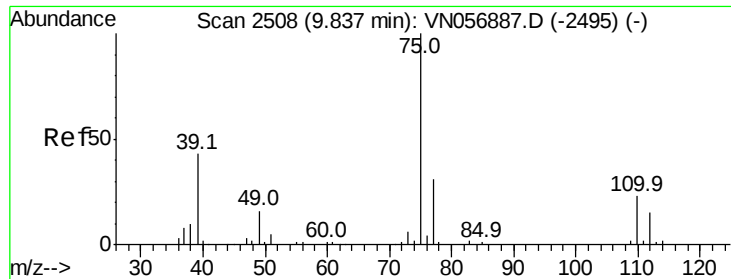
Tgt Ion: 75 Resp: 514132

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0





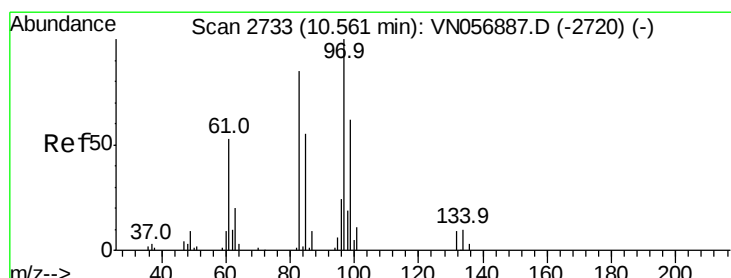
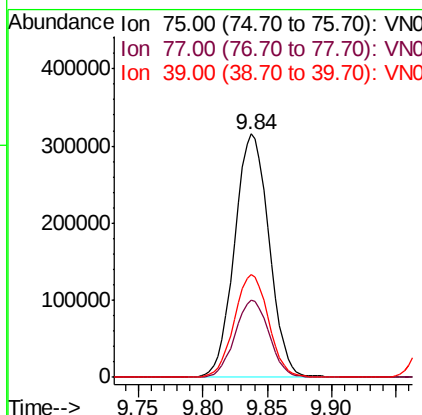
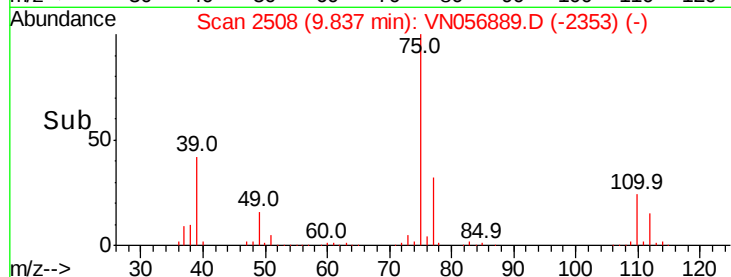
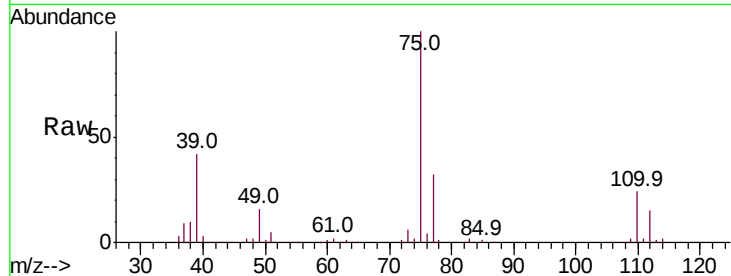
#49
 cis-1,3-Dichloropropene
 Concen: 95.958 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.5	24.4	36.6	
39	42.1	34.2	51.4	

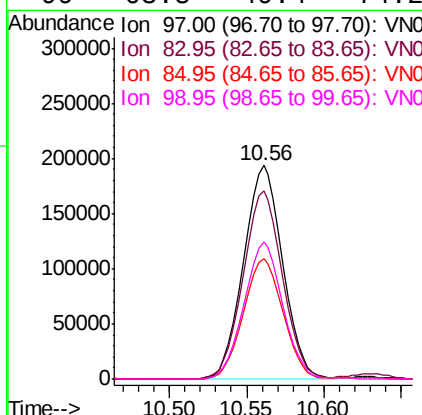
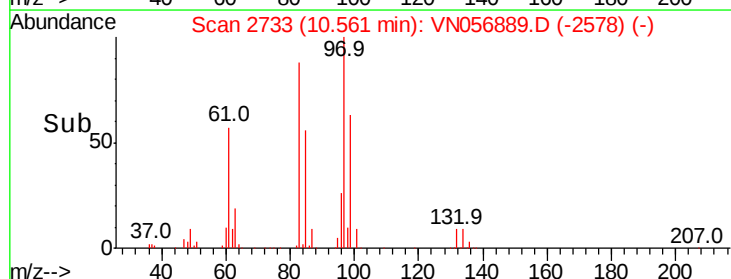
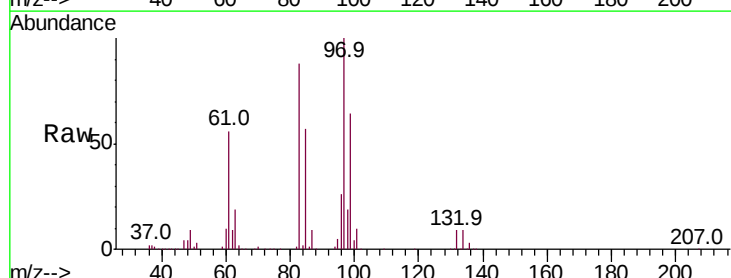
Manual Integrations
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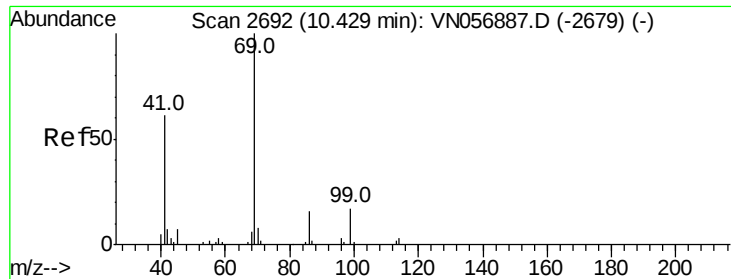
MMDadoda
 7/25/2019 2:20:04 PM



#50
 1,1,2-Trichloroethane
 Concen: 87.090 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	87.9	68.4	102.6	
85	56.6	44.3	66.5	
99	63.8	49.4	74.2	





#51

Ethyl methacrylate

Concen: 89.426 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

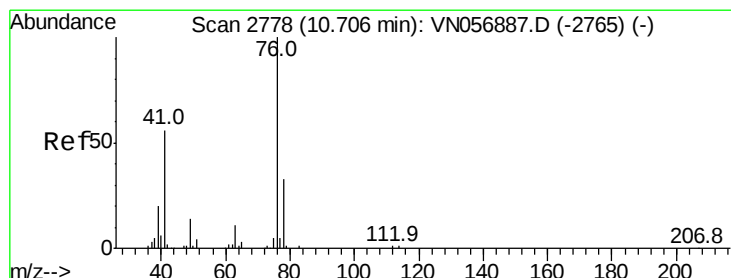
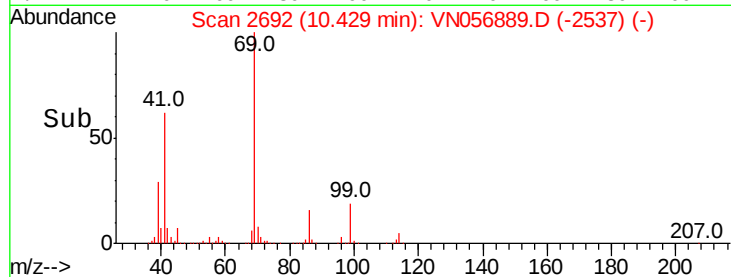
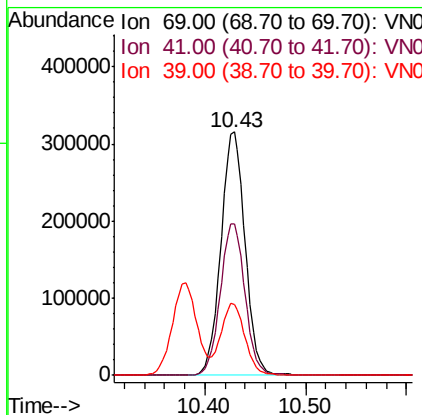
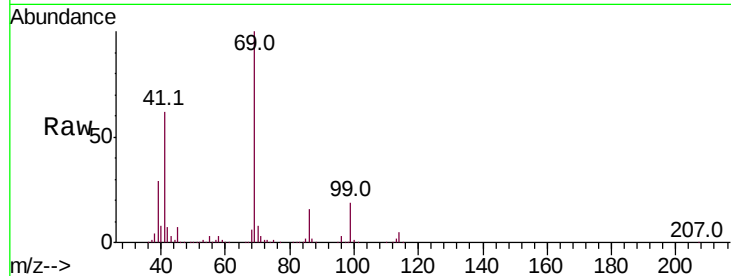
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	530195
Ion	Ratio	Lower	Upper
69	100		
41	61.9	30.4	91.3
39	29.1	14.2	42.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 90.548 ug/l

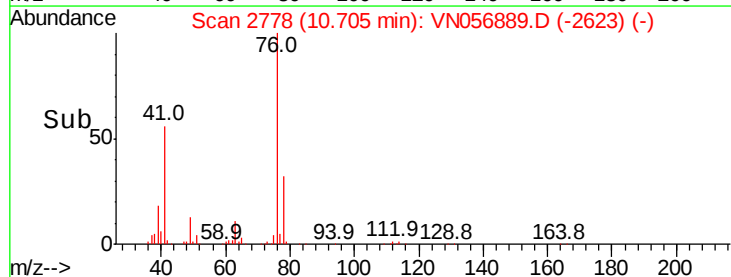
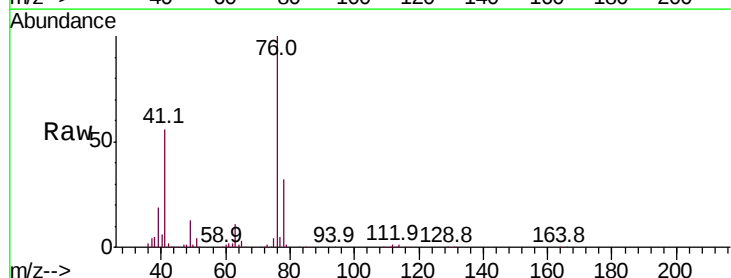
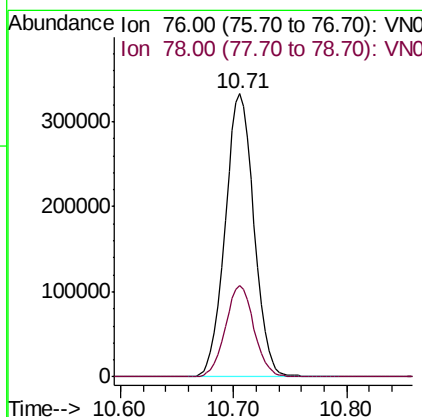
RT: 10.71 min Scan# 2778

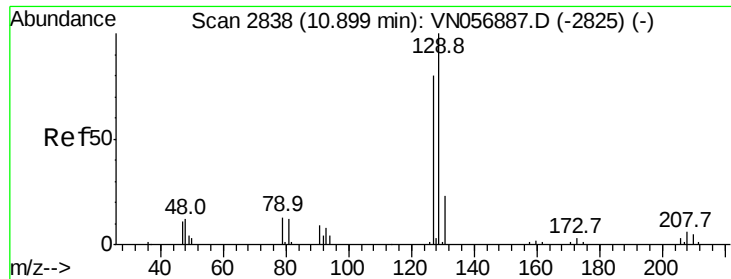
Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Tgt Ion:	76	Resp:	588077
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.2





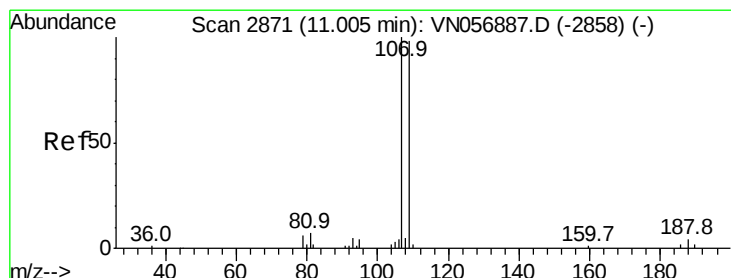
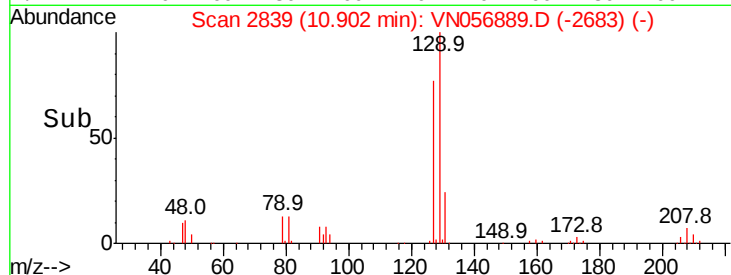
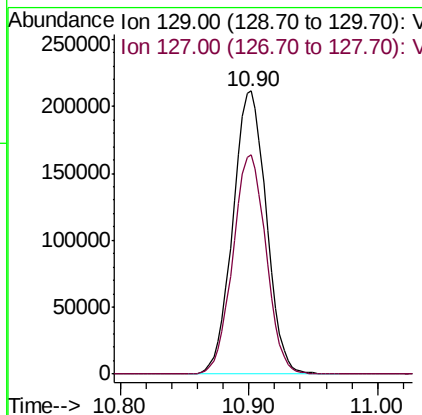
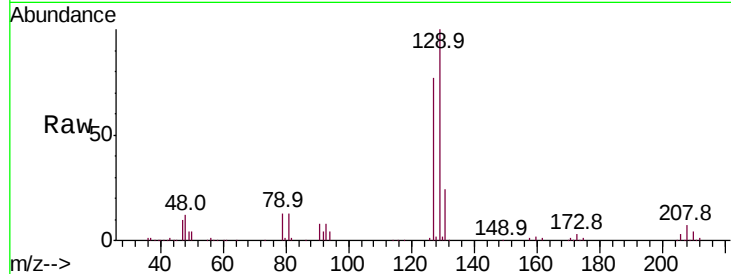
#53
 Dibromochloromethane
 Concen: 96.494 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:129 Resp: 381978
 Ion Ratio Lower Upper
 129 100
 127 77.0 38.8 116.4

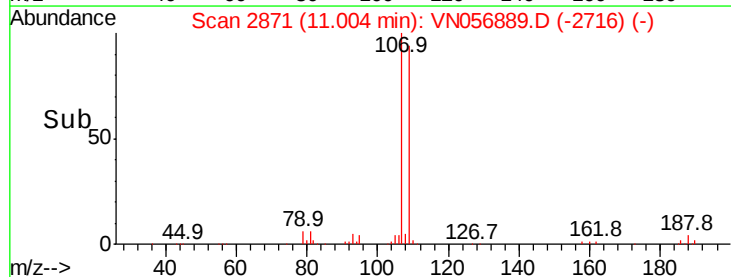
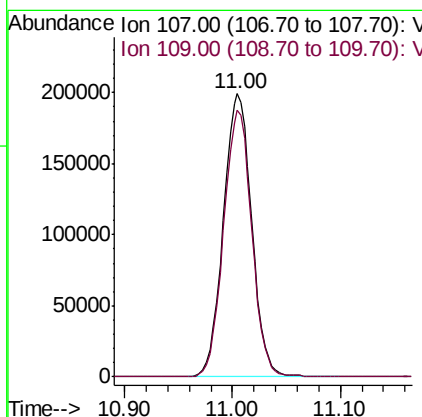
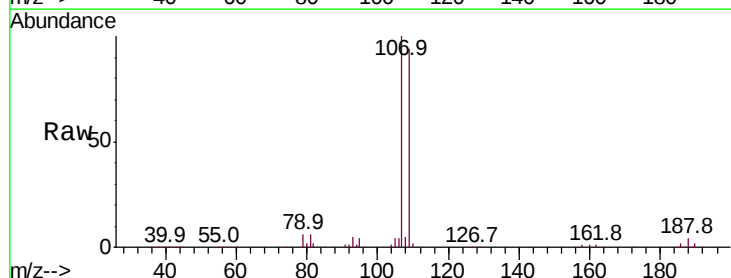
Manual Integrations
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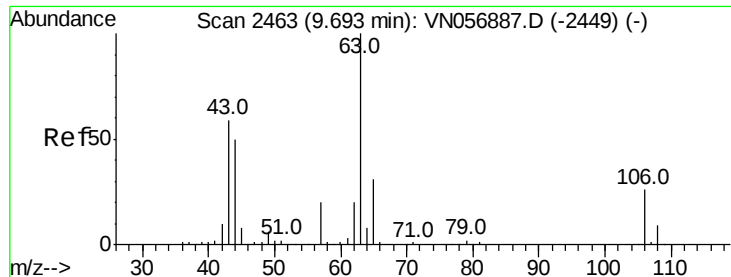
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 90.251 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion:107 Resp: 363997
 Ion Ratio Lower Upper
 107 100
 109 93.6 76.2 114.2





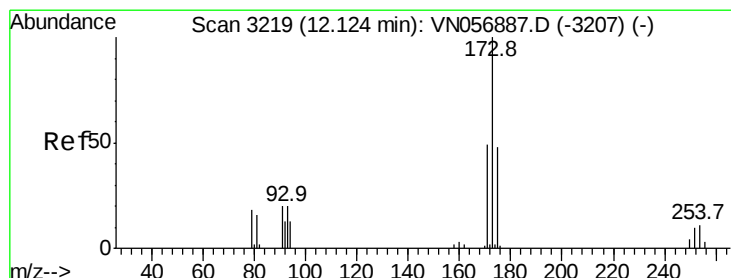
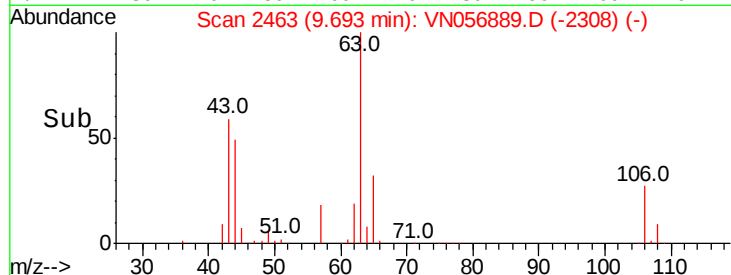
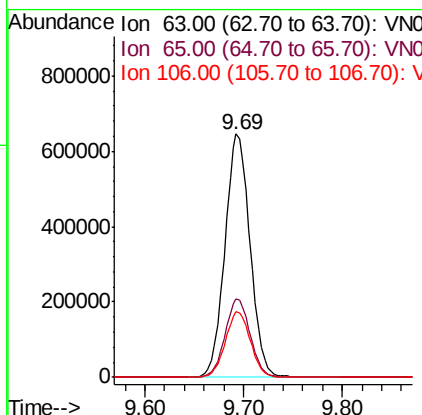
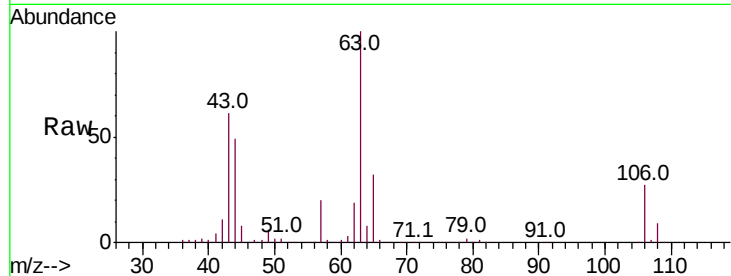
#55
2-Chloroethyl vinyl ether
Concen: 409.131 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 1154207
Ion Ratio Lower Upper
63 100
65 32.2 25.1 37.7
106 27.0 21.5 32.3

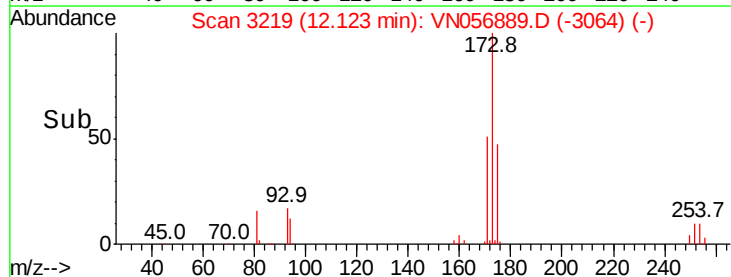
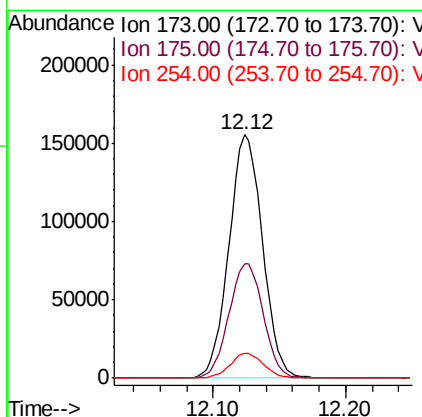
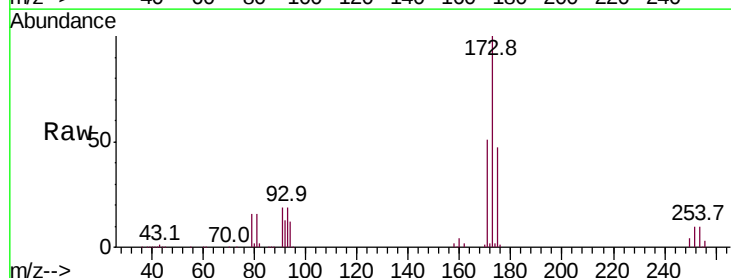
Manual Integrations
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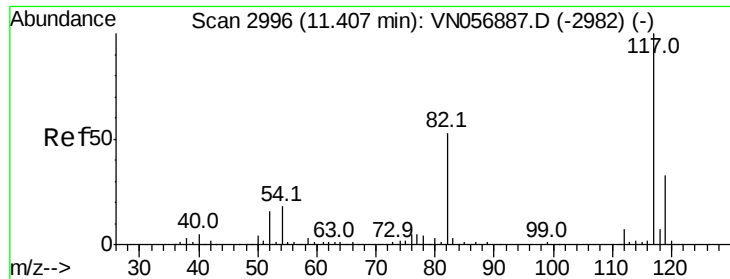
MMDadoda
7/25/2019 2:20:04 PM



#56
Bromoform
Concen: 94.364 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 173 Resp: 273593
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 10.1 8.1 12.1





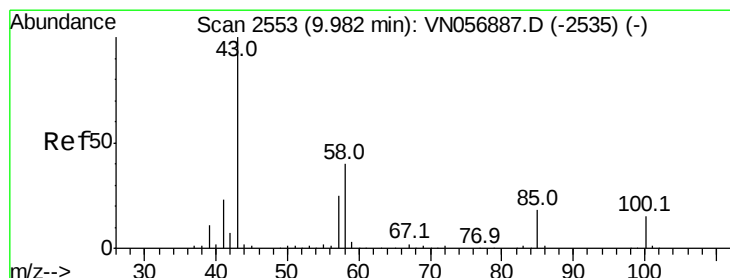
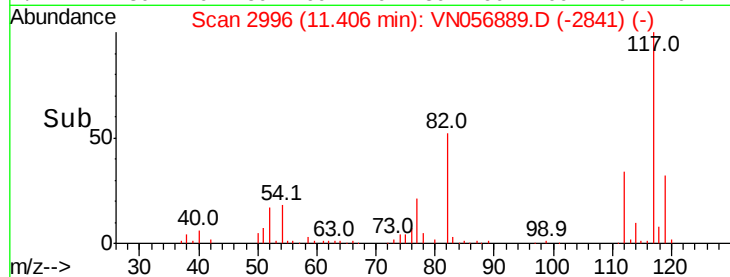
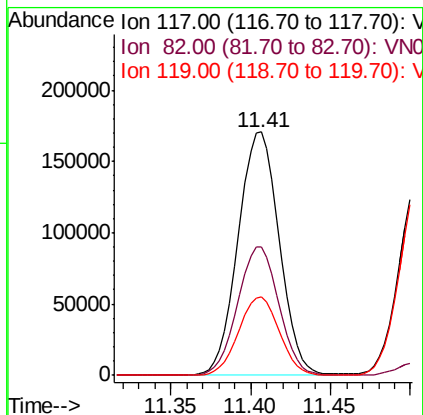
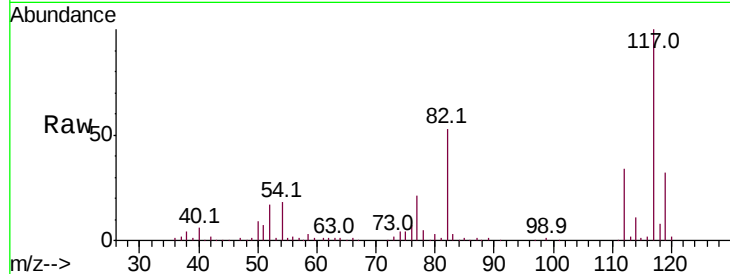
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.0	64.4
119	31.8	26.2	39.2

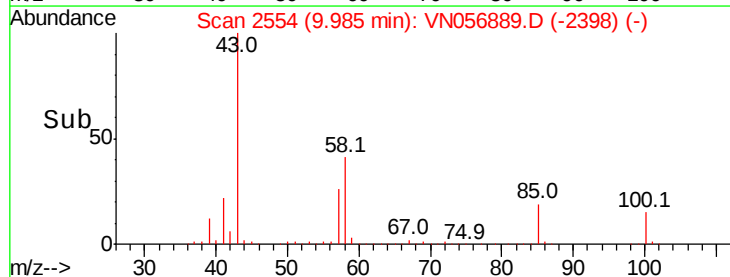
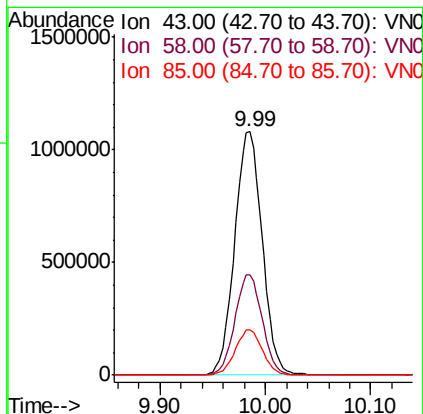
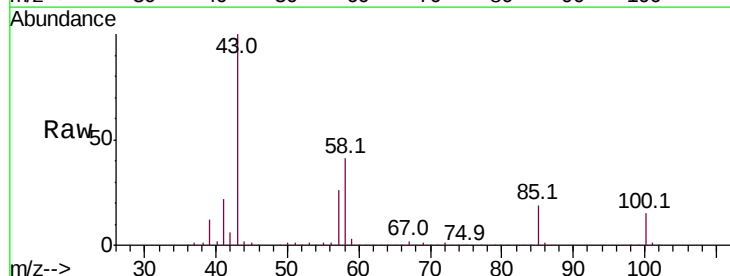
Manual Integrations
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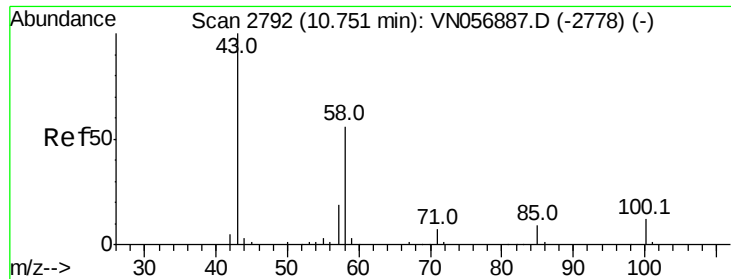
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 366.622 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.7	47.5
85	18.4	14.5	21.7





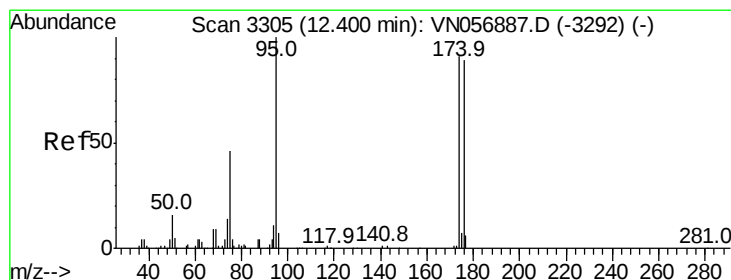
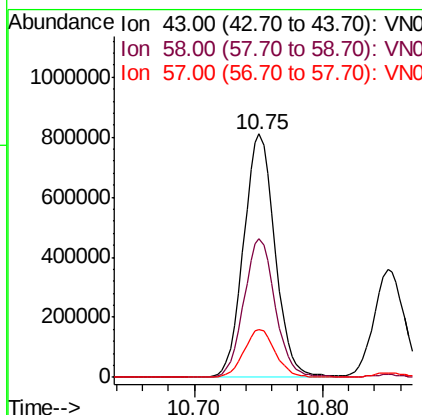
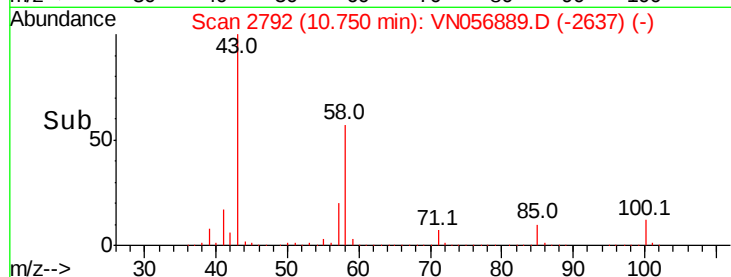
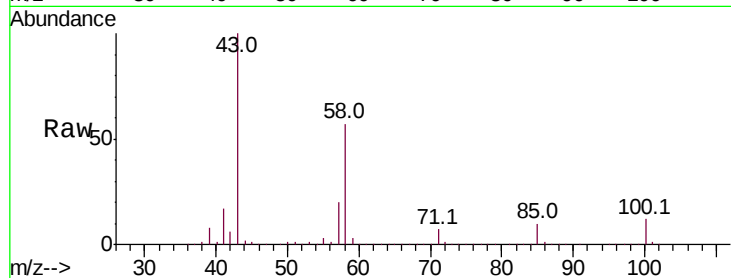
#59
2-Hexanone
Concen: 348.629 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1371342
Ion Ratio Lower Upper
43 100
58 57.0 45.0 67.4
57 19.8 15.4 23.0

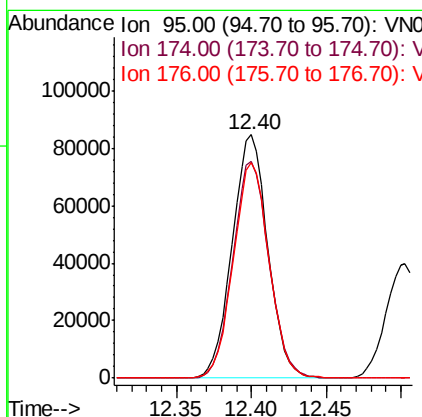
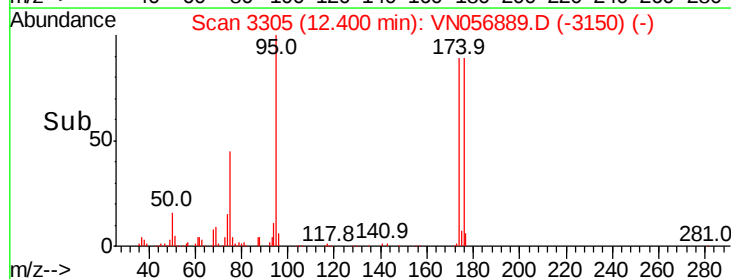
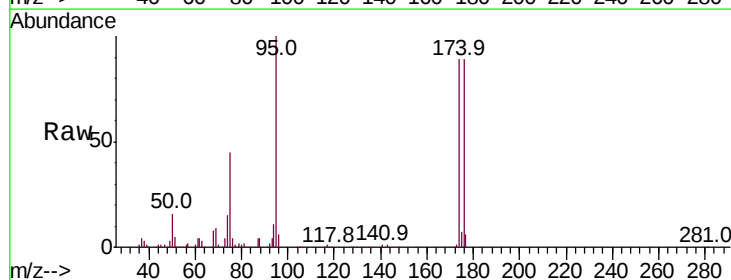
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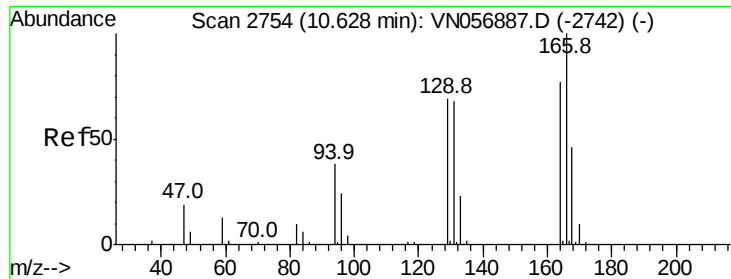
MMDadoda
7/25/2019 2:20:04 PM



#60
4-Bromofluorobenzene
Concen: 30.894 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 95 Resp: 140703
Ion Ratio Lower Upper
95 100
174 90.3 71.9 107.9
176 88.8 69.8 104.8





#61

Tetrachloroethene

Concen: 92.552 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 395950

Ion Ratio Lower Upper

164 100

166 127.4 103.9 155.9

129 90.0 72.4 108.6

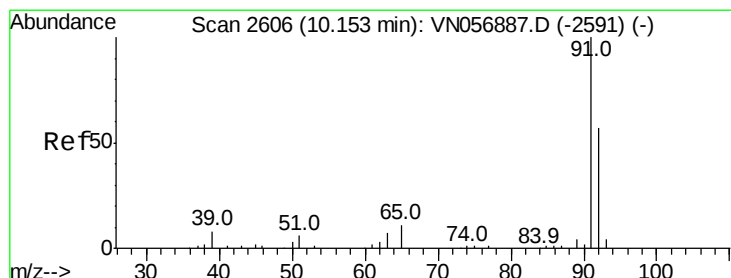
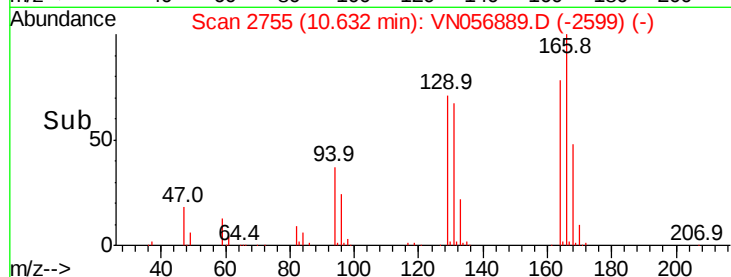
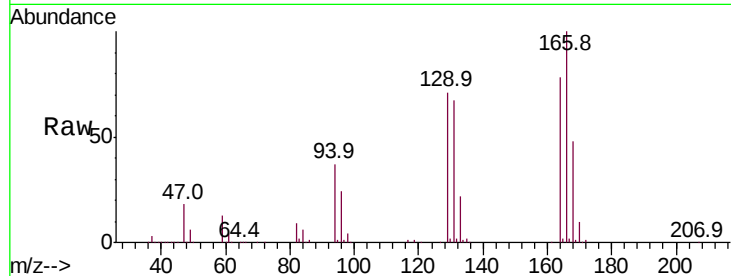
131 85.8 70.3 105.5

Manual Integrations

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#62

Toluene

Concen: 91.535 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056889.D

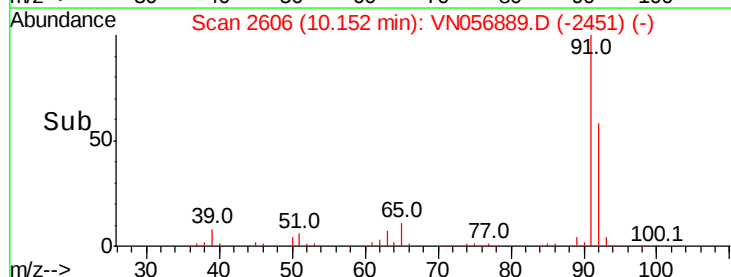
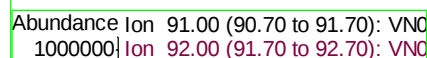
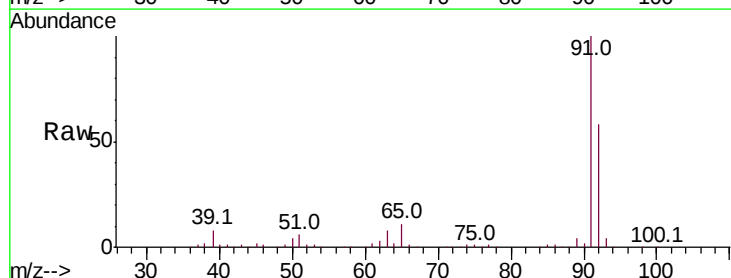
Acq: 23 Jul 2019 20:16

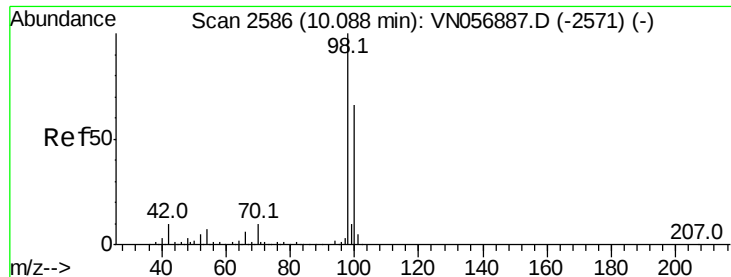
Tgt Ion: 91 Resp: 1578920

Ion Ratio Lower Upper

91 100

92 57.5 46.1 69.1





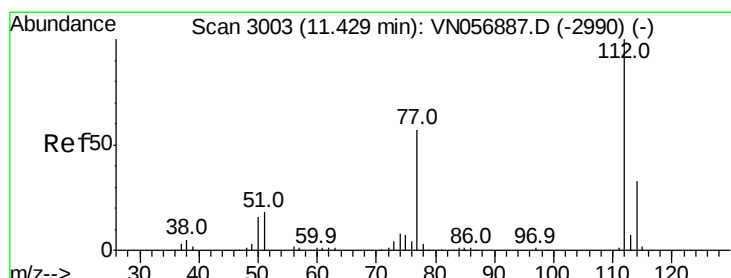
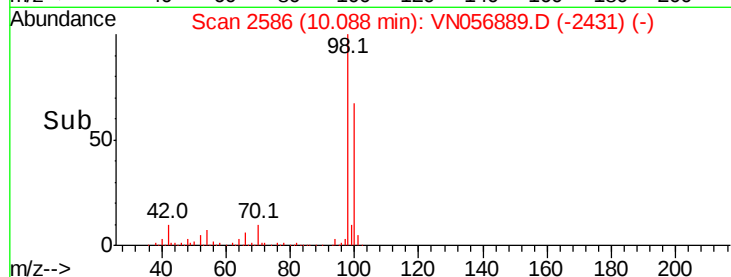
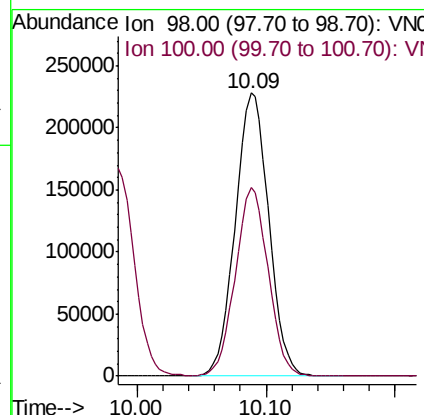
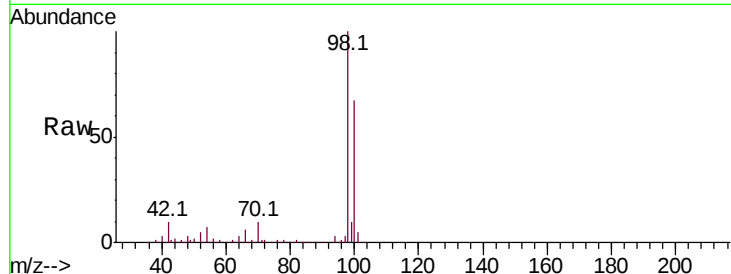
#63
Toluene-d8
Concen: 29.815 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 411349
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2

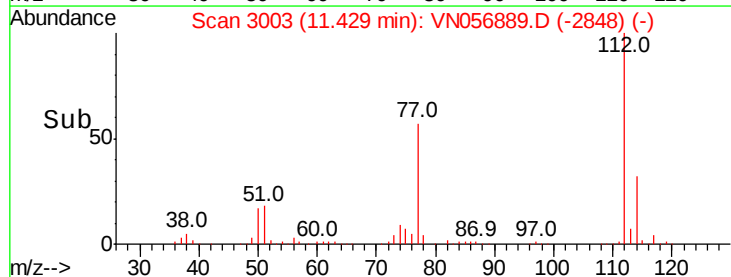
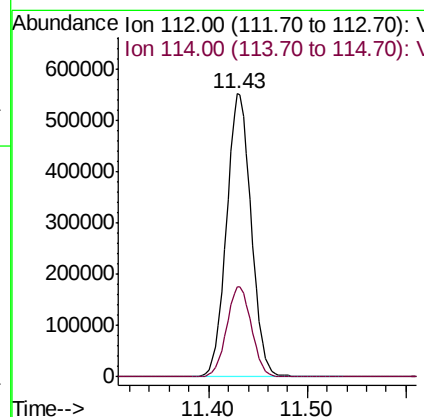
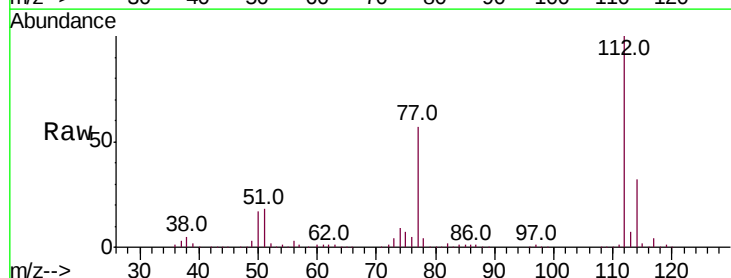
Manual Integrations
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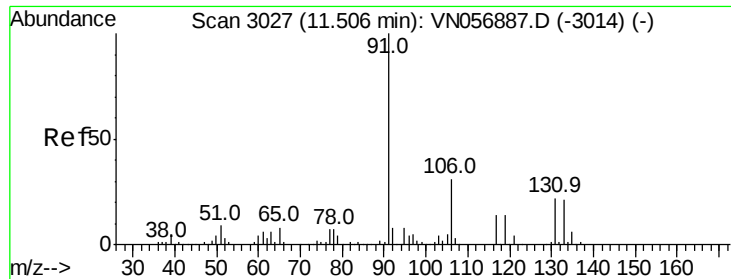
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#64
Chlorobenzene
Concen: 92.198 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 112 Resp: 968904
Ion Ratio Lower Upper
112 100
114 31.7 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 93.522 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

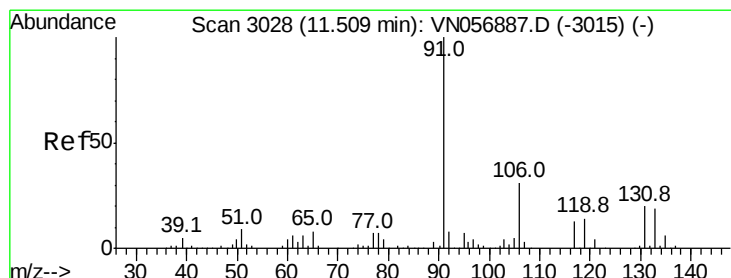
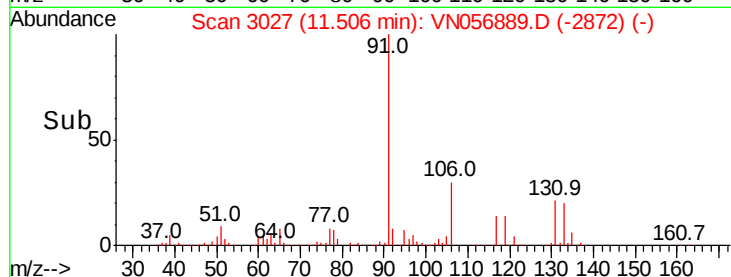
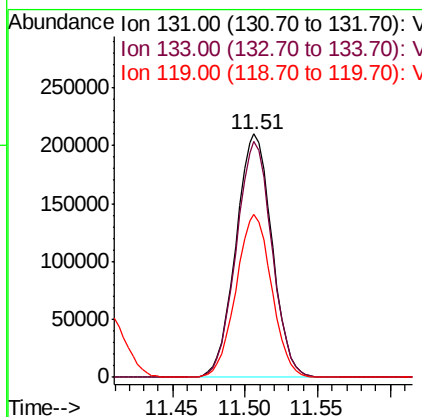
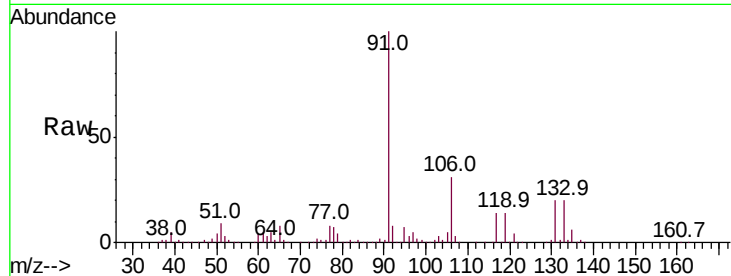
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	363485
Ion Ratio	Lower	Upper	
131	100		
133	95.9	0.0	189.6
119	65.8	0.0	133.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 93.290 ug/l

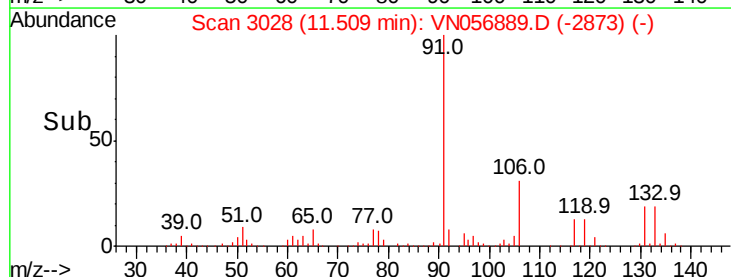
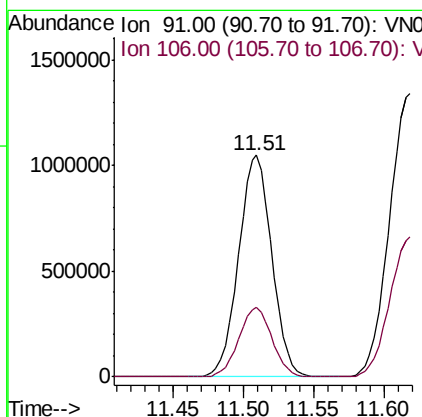
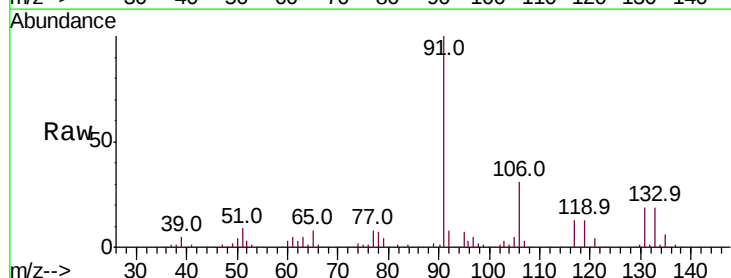
RT: 11.51 min Scan# 3028

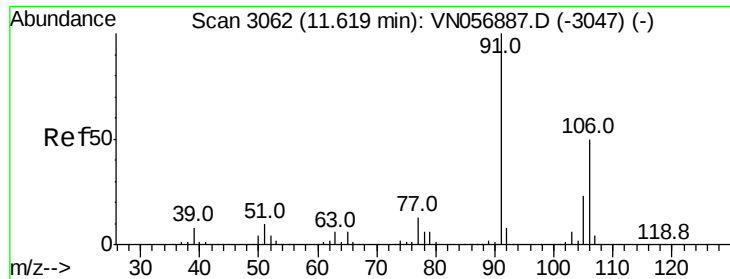
Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Tgt Ion:	91	Resp:	1728845
Ion Ratio	Lower	Upper	
91	100		
106	31.2	24.9	37.3





#67

m/p-Xylenes

Concen: 184.961 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:106 Resp: 1289918

Ion Ratio Lower Upper

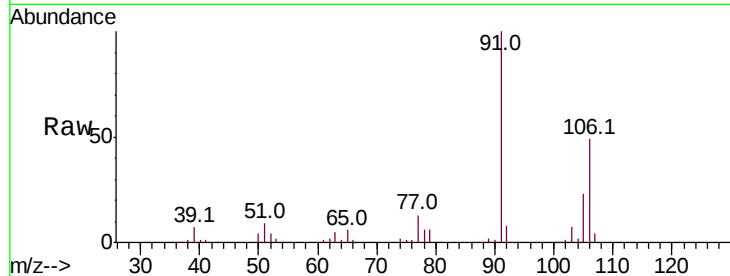
106 100

91 202.8 160.6 240.8

Manual Integrations
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

1500000

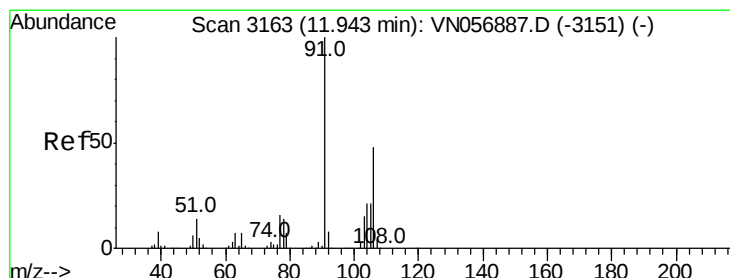
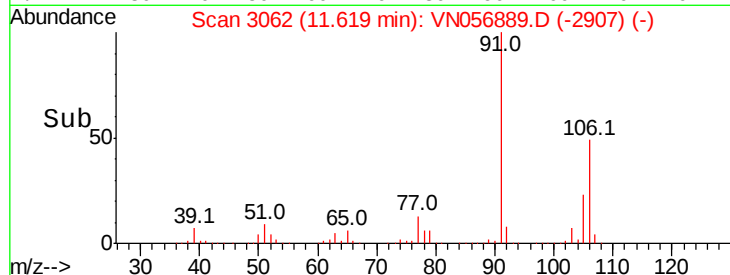
1000000

500000

0

11.50 11.60 11.70

Time-->



#68

o-Xylene

Concen: 91.487 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056889.D

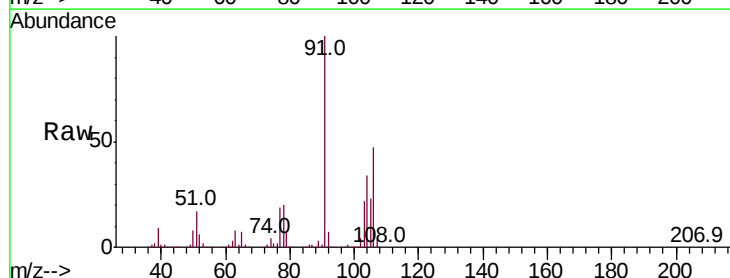
Acq: 23 Jul 2019 20:16

Tgt Ion:106 Resp: 626143

Ion Ratio Lower Upper

106 100

91 214.3 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

800000

600000

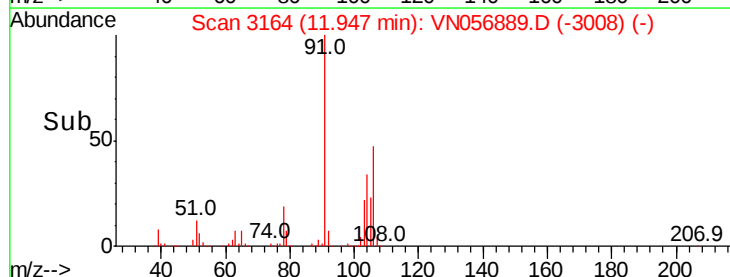
400000

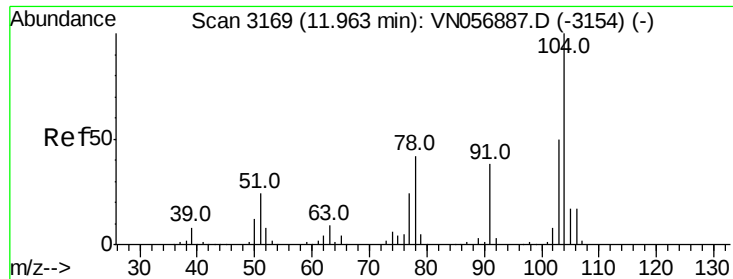
200000

0

11.90 11.95 12.00

Time-->





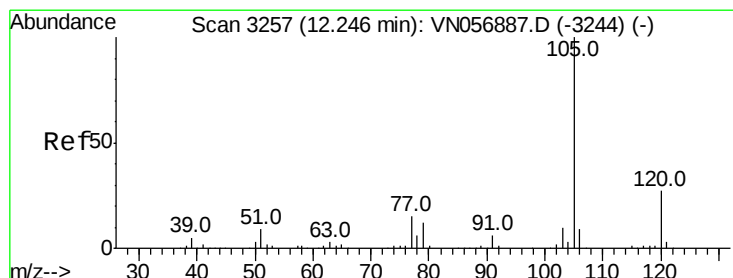
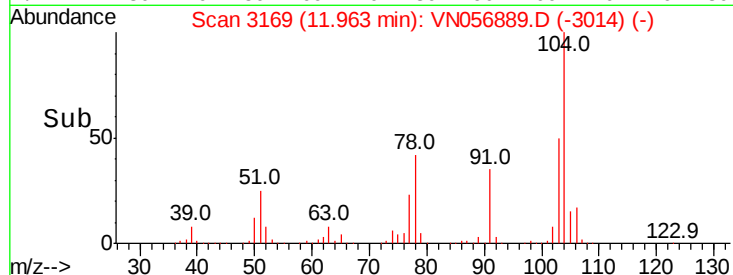
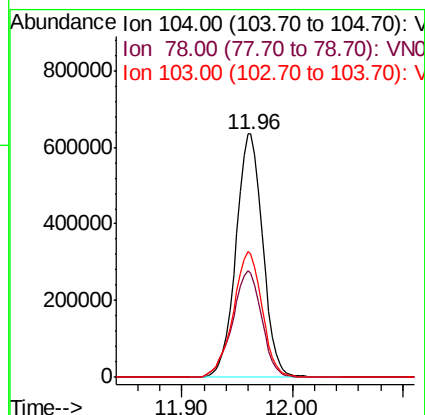
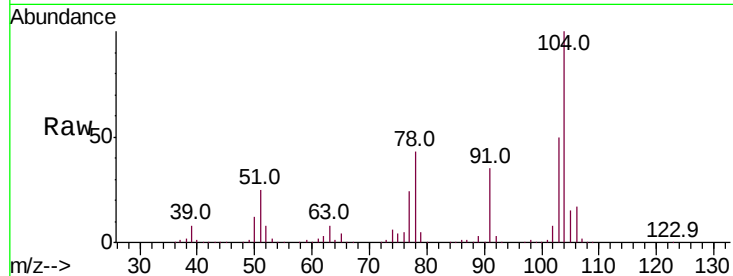
#69
Stvrene
Concen: 94.796 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:104 Resp: 1068853
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 55.5 44.7 67.1

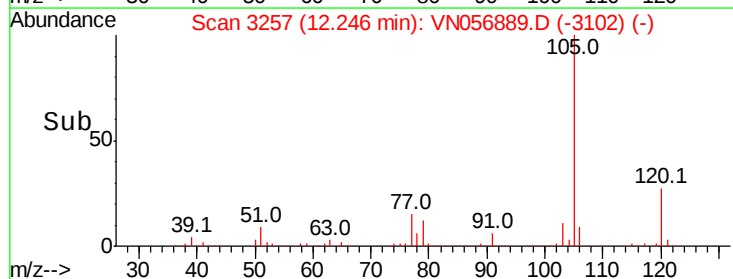
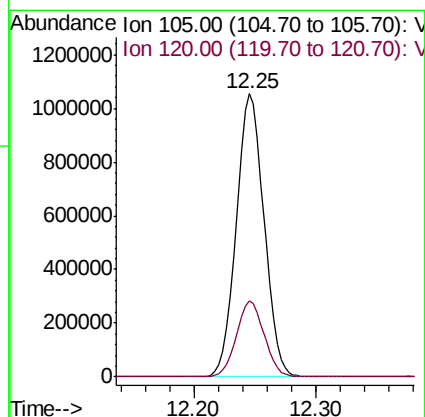
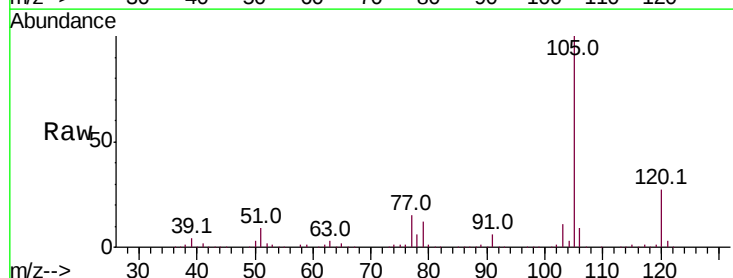
Manual Integrations
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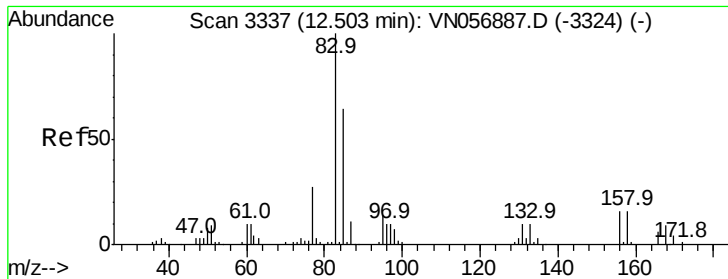
MMDadoda
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#70
Isopropylbenzene
Concen: 92.861 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion:105 Resp: 1662233
Ion Ratio Lower Upper
105 100
120 26.9 18.7 34.7





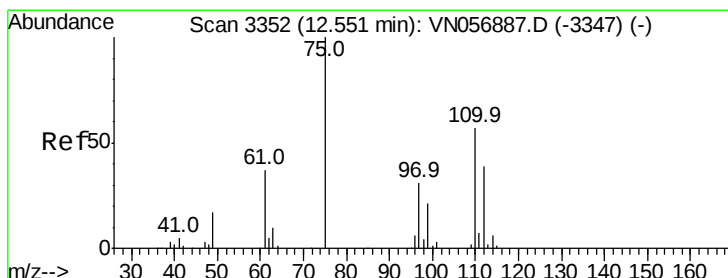
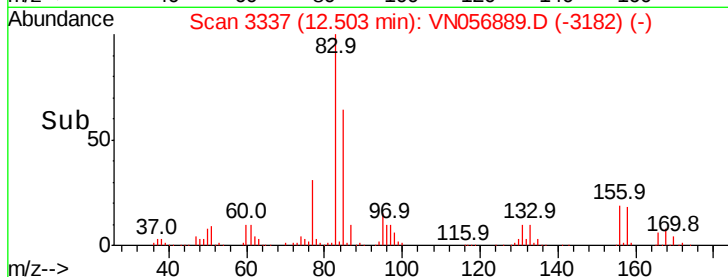
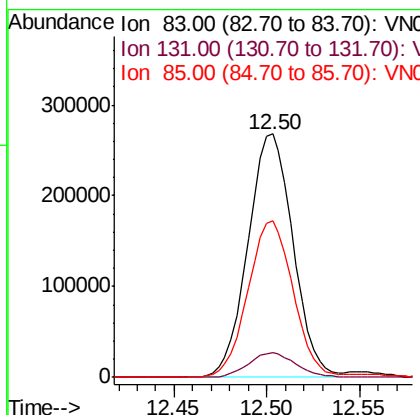
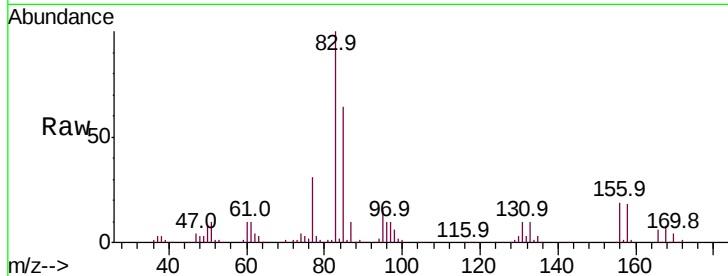
#71
 1,1,2,2-Tetrachloroethane
 Concen: 79.416 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.5	5.1	15.2	
85	64.5	31.8	95.4	

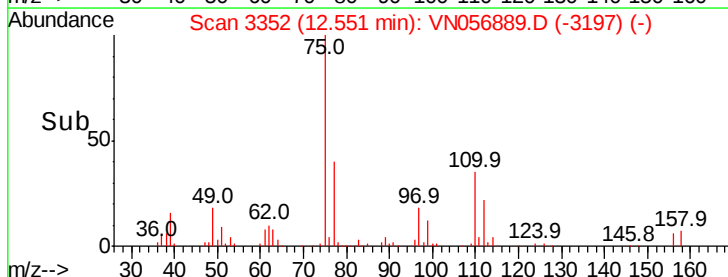
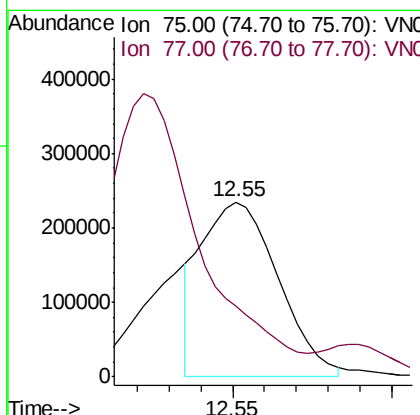
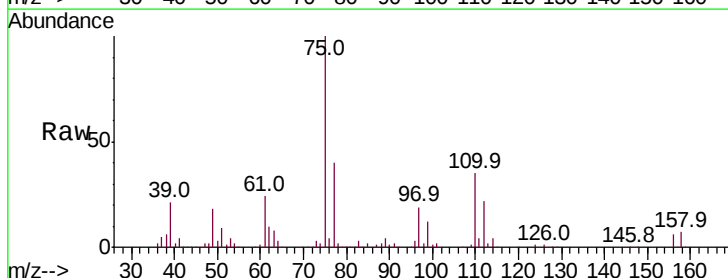
Manual Integrations
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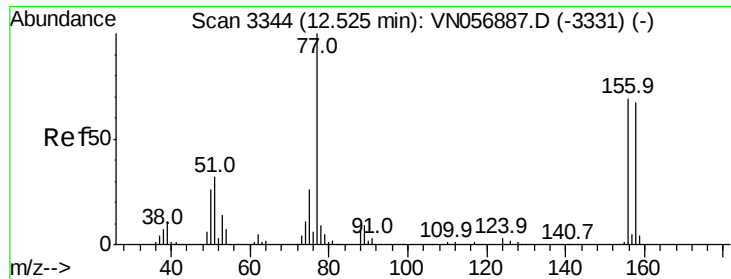
MMDadoda
 7/25/2019 2:20:04 PM



#72
 1,2,3-Trichloropropane
 Concen: 81.466 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	201.3	0.0	378.6	





#73

Bromobenzene

Concen: 93.668 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

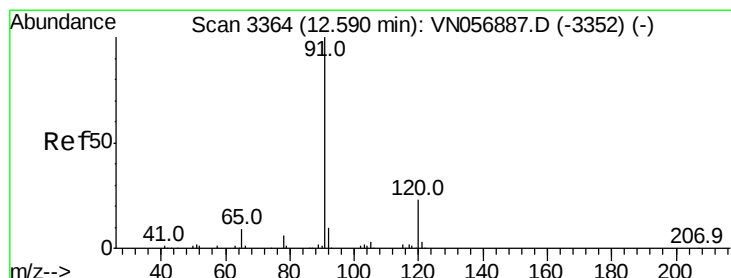
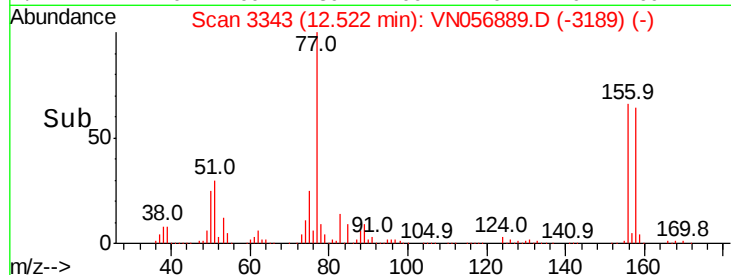
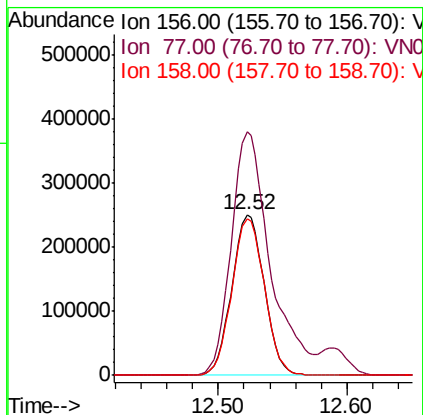
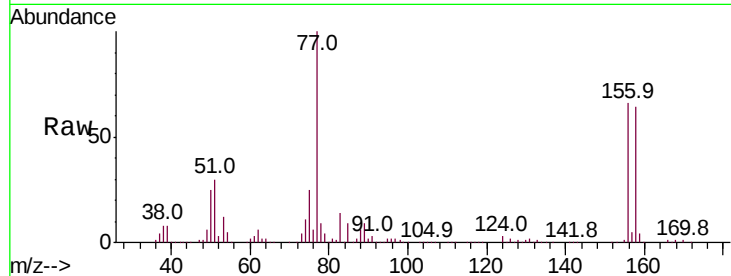
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	436939
Ion	Ratio	Lower	Upper
156	100		
77	182.2	0.0	364.6
158	98.4	0.0	196.2

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#74

n-propylbenzene

Concen: 95.158 ug/l

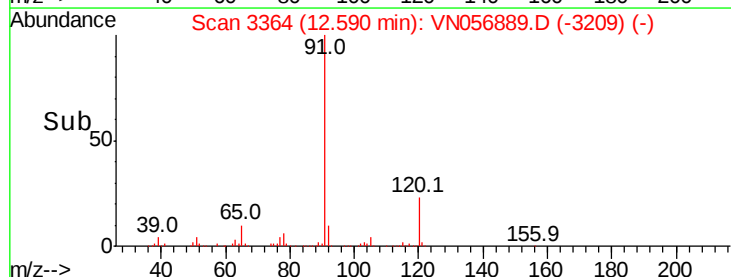
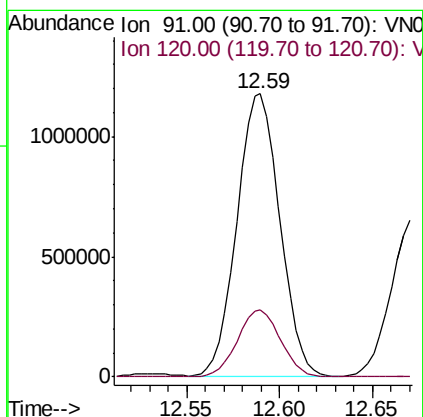
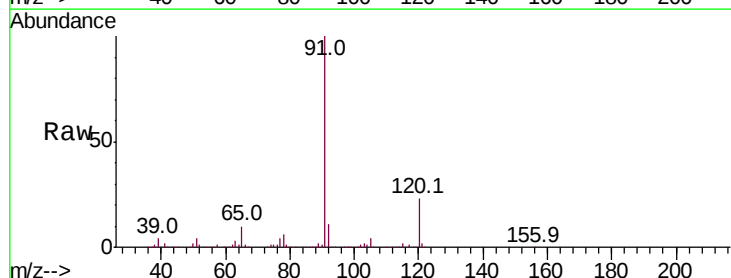
RT: 12.59 min Scan# 3364

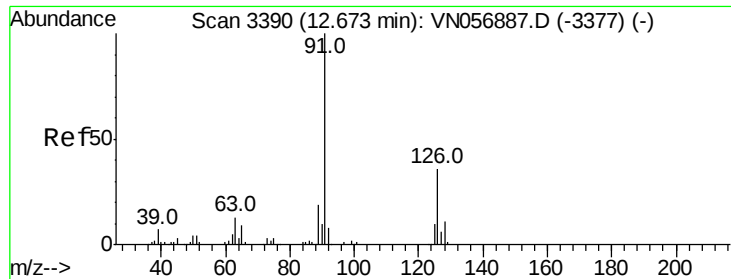
Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Tgt Ion:	91	Resp:	1897286
Ion	Ratio	Lower	Upper
91	100		
120	23.5	0.0	46.4





#75

2-Chlorotoluene

Concen: 91.858 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1111012

Ion Ratio Lower Upper

91 100

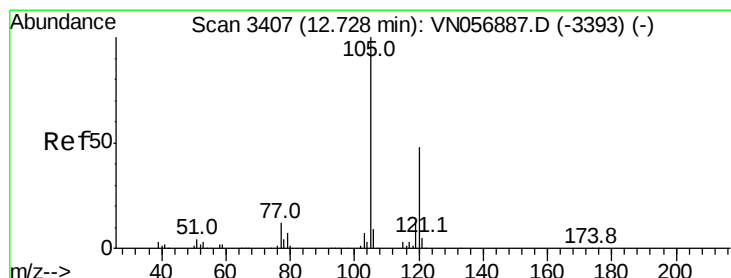
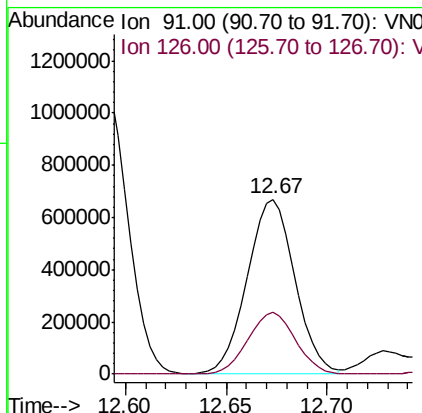
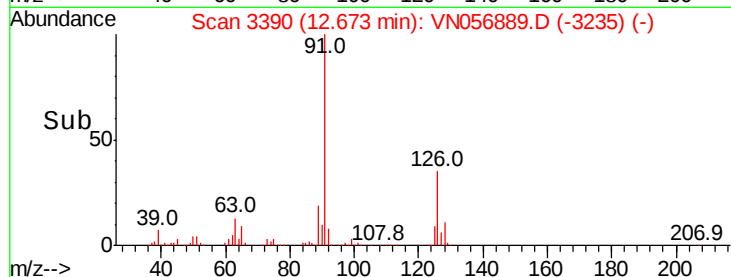
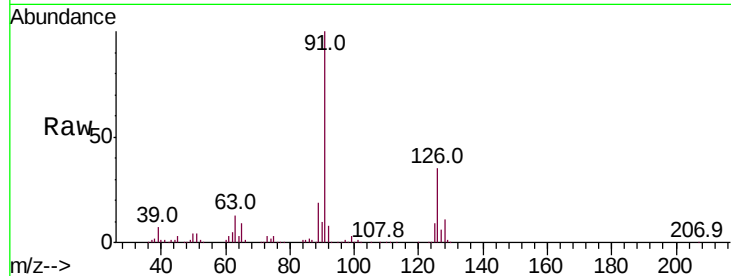
126 35.2 0.0 70.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 92.431 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056889.D

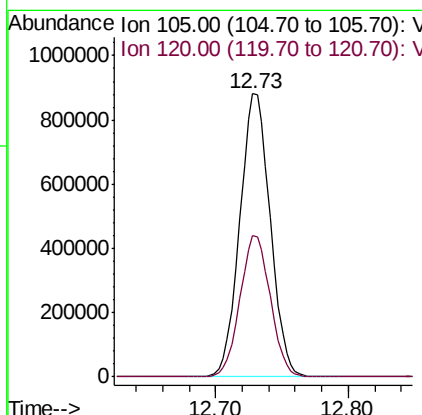
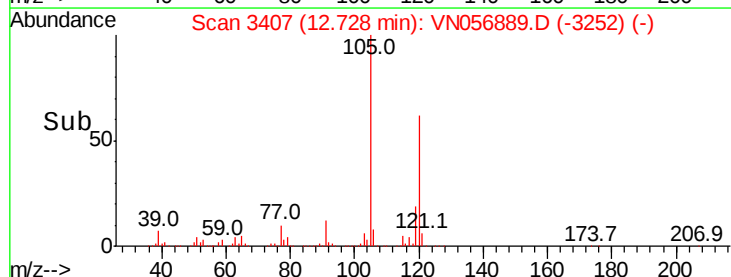
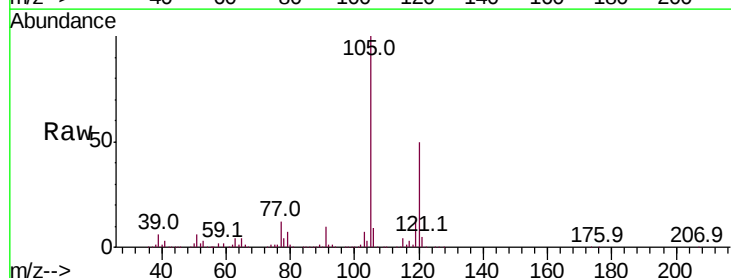
Acq: 23 Jul 2019 20:16

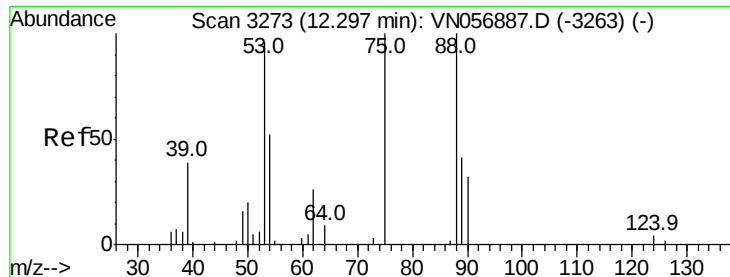
Tgt Ion: 105 Resp: 1401846

Ion Ratio Lower Upper

105 100

120 49.7 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 87.457 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

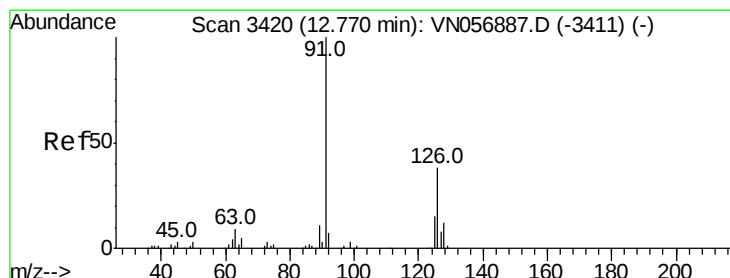
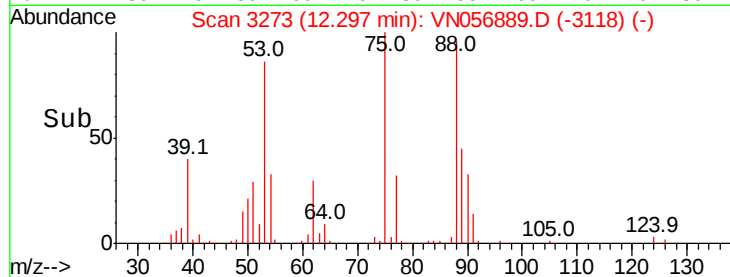
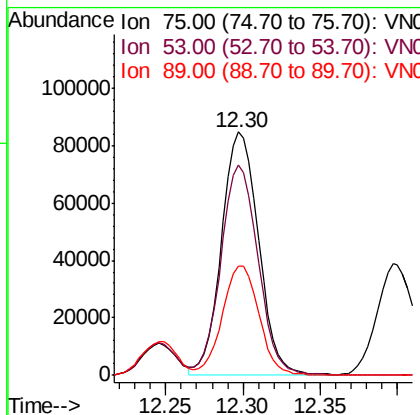
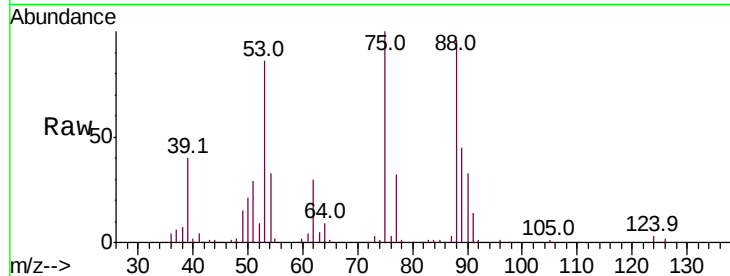
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	141135
Ion Ratio	Lower	Upper	
75	100		
53	86.4	48.0	144.0
89	45.2	21.4	64.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 95.525 ug/l

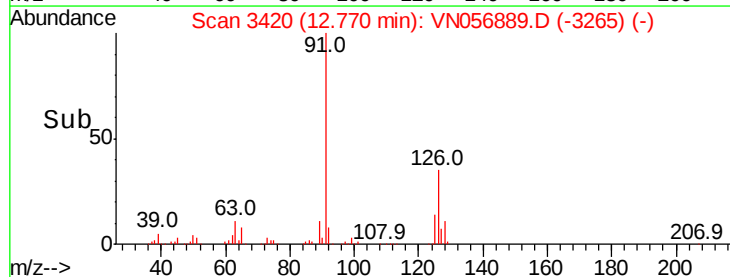
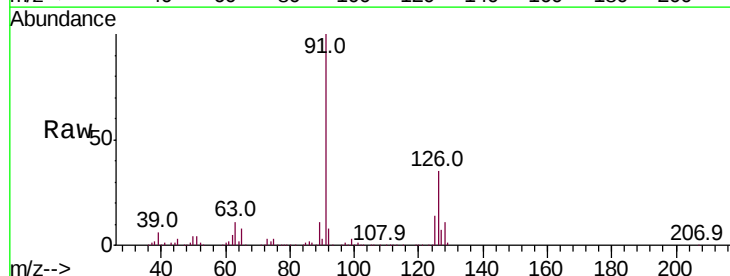
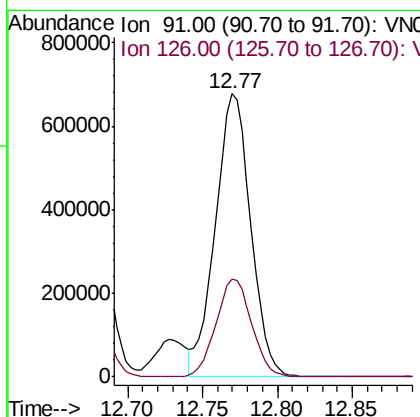
RT: 12.77 min Scan# 3420

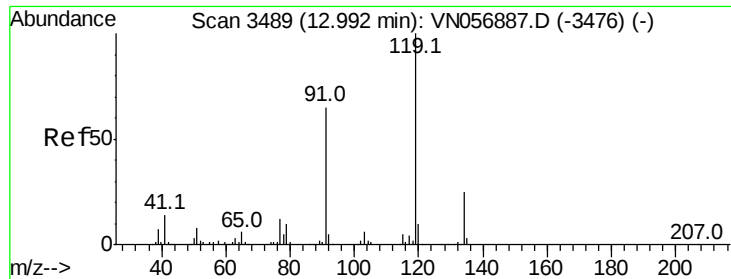
Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Tgt Ion:	91	Resp:	1114255
Ion Ratio	Lower	Upper	
91	100		
126	34.7	0.0	69.6





#79

tert-butylbenzene

Concen: 93.684 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1214265

Ion Ratio Lower Upper

119 100

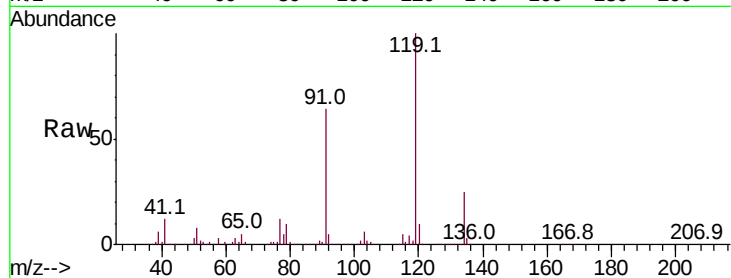
91 62.5 0.0 126.8

134 24.6 0.0 48.8

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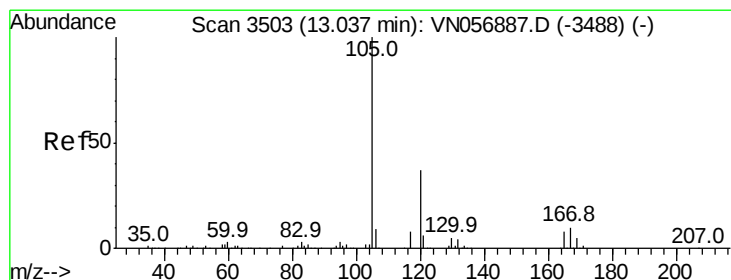
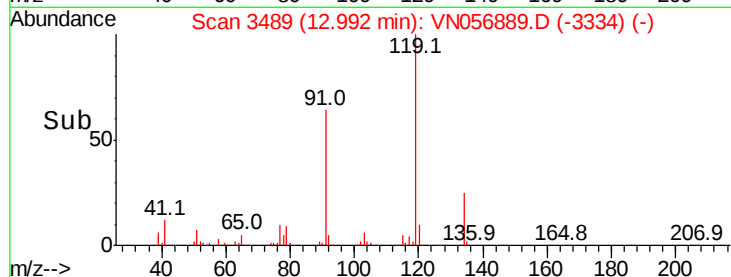
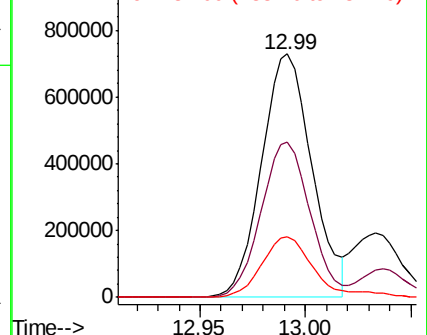
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 92.272 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056889.D

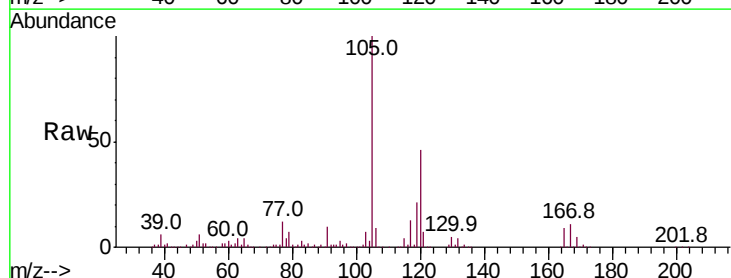
Acq: 23 Jul 2019 20:16

Tgt Ion:105 Resp: 1390229

Ion Ratio Lower Upper

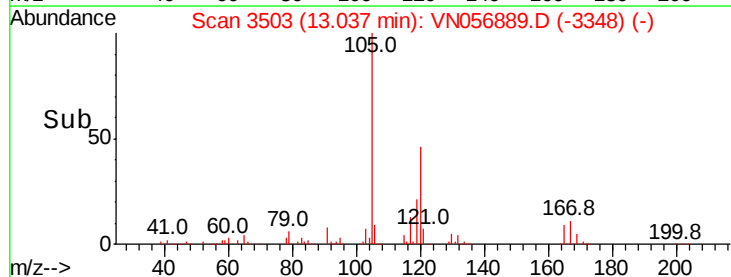
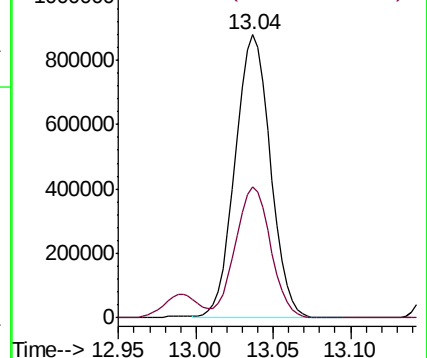
105 100

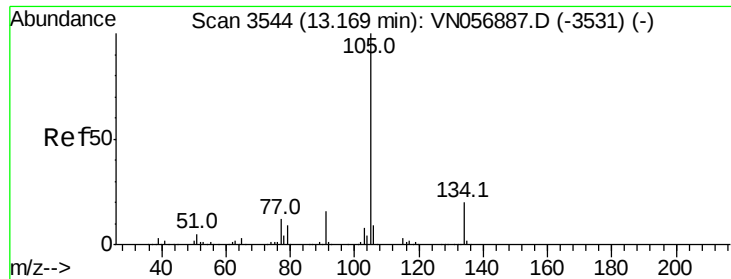
120 46.4 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 94.152 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1607828

Ion Ratio Lower Upper

105 100

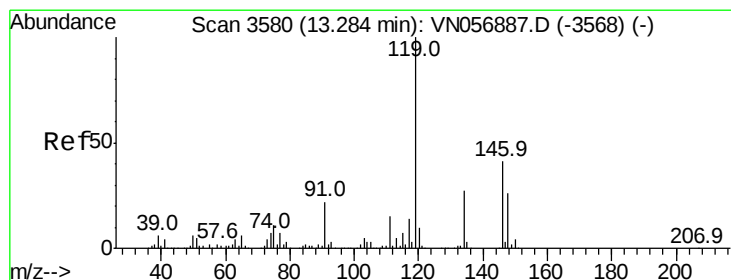
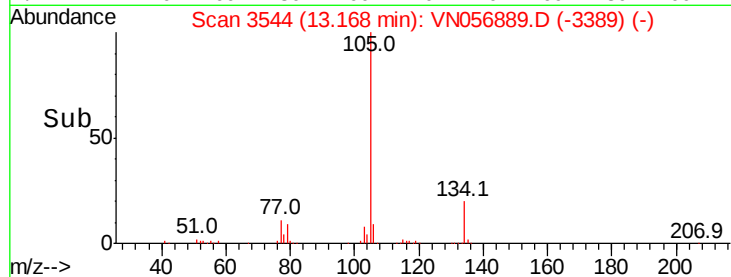
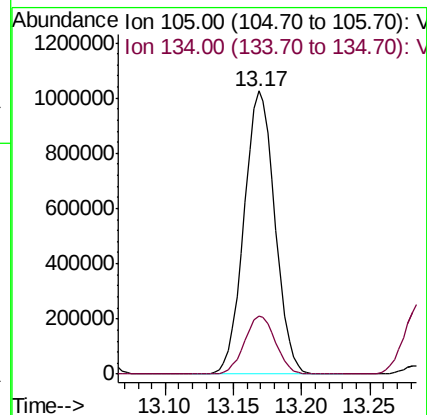
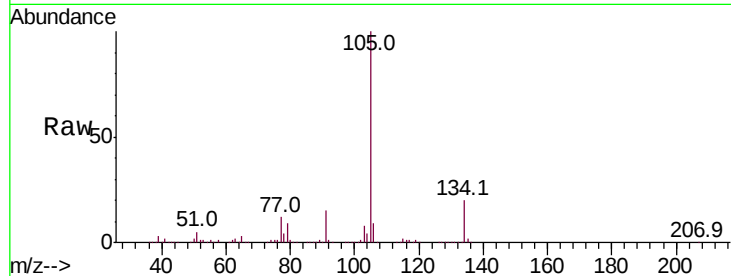
134 20.7 0.0 41.2

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#82

p-Isopropyltoluene

Concen: 94.973 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

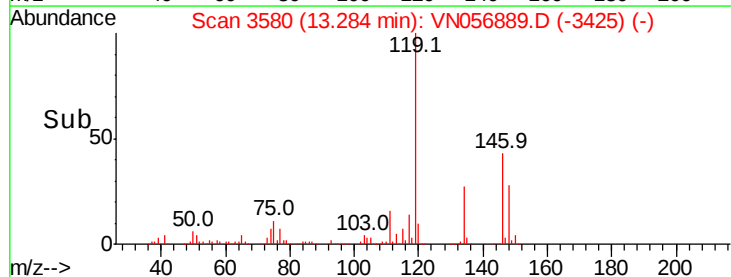
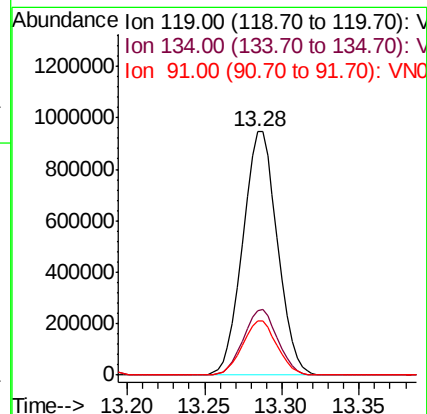
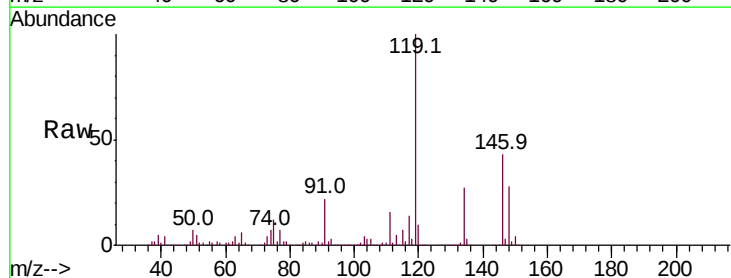
Tgt Ion:119 Resp: 1470194

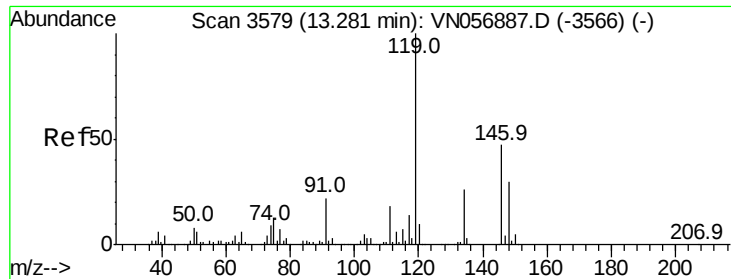
Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.3 0.0 44.0





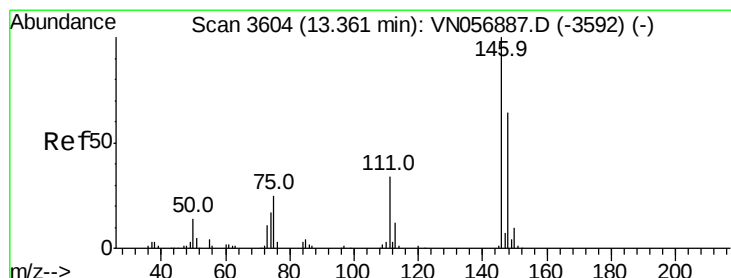
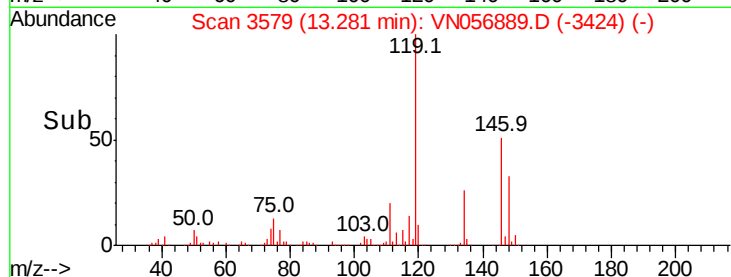
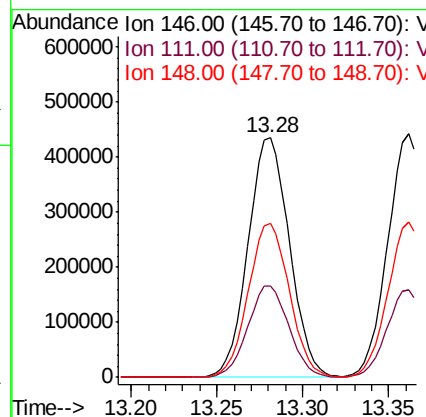
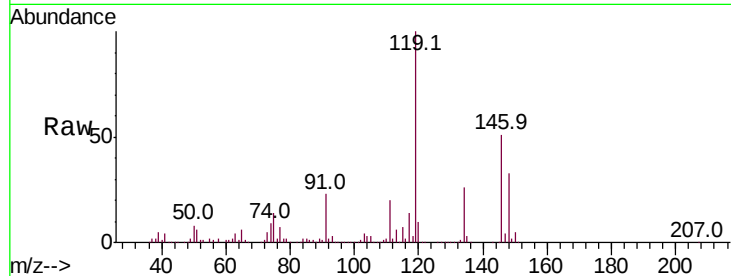
#83
 1,3-Dichlorobenzene
 Concen: 94.961 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	63.8	31.7	95.1

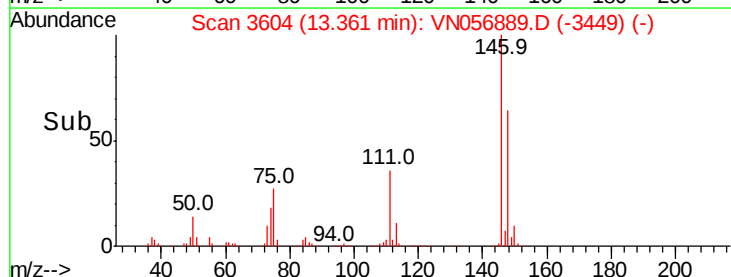
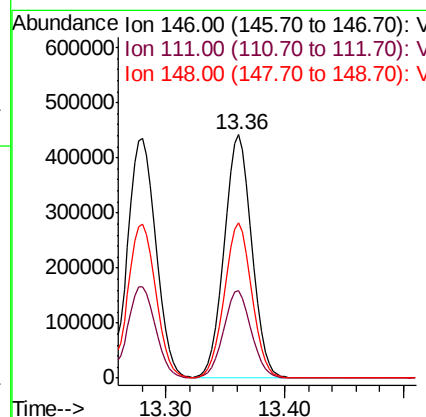
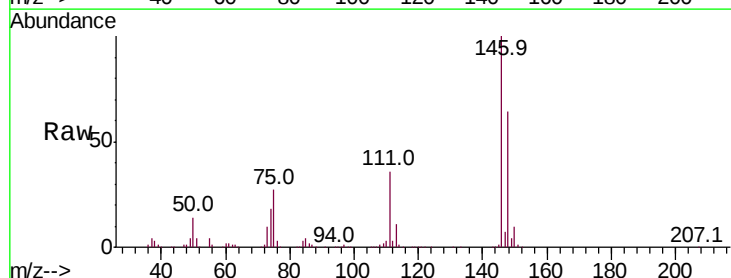
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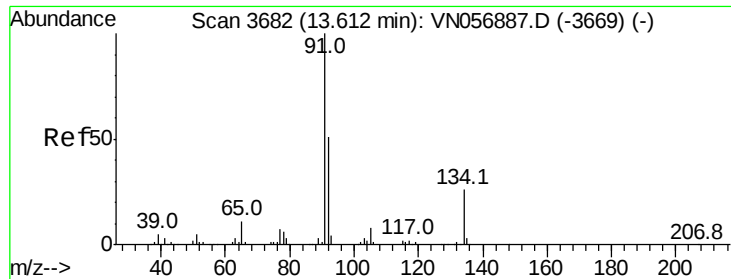
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#84
 1,4-Dichlorobenzene
 Concen: 96.754 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.8	53.5
148	63.6	32.6	97.7





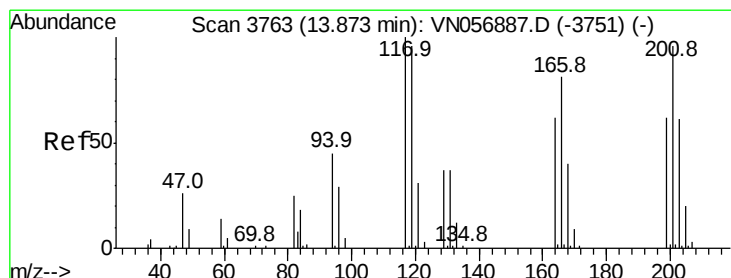
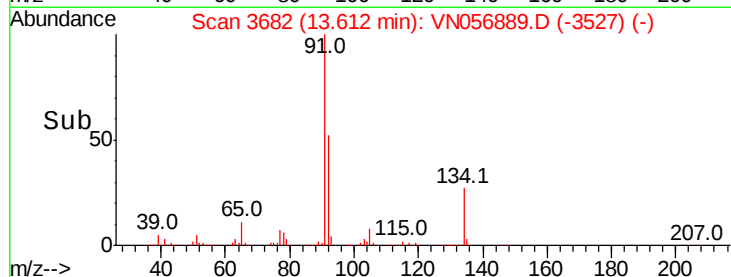
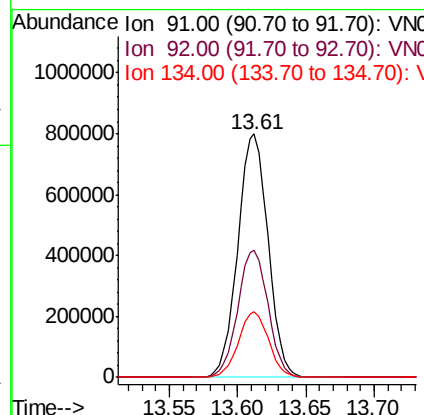
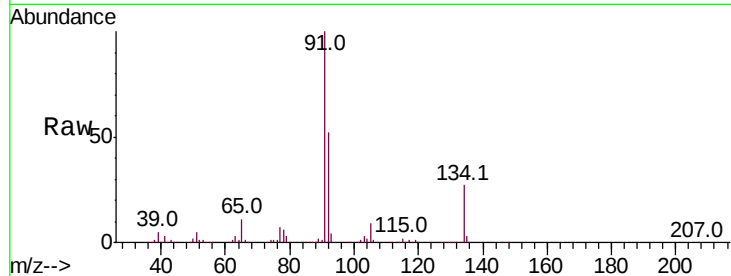
#85
n-Butylbenzene
Concen: 97.252 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	0.0	101.8
134	26.8	0.0	52.4

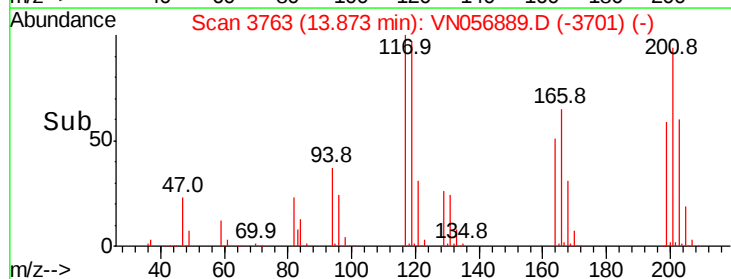
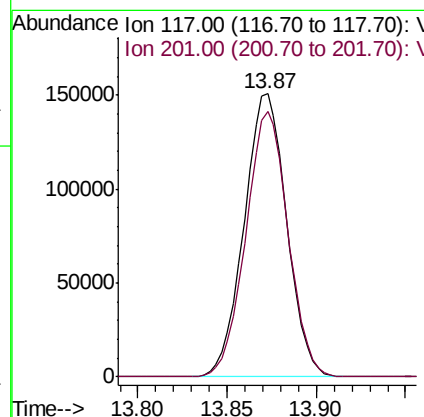
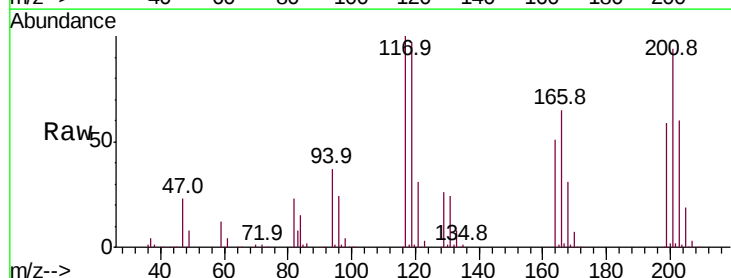
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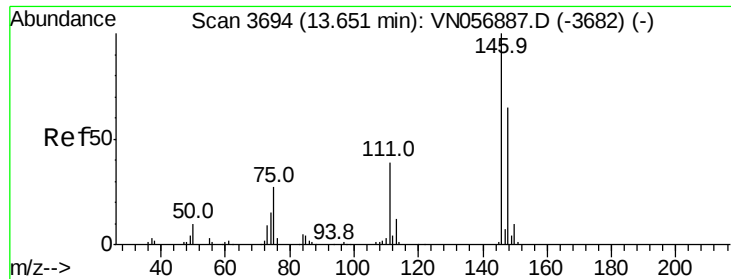
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#86
Hexachloroethane
Concen: 101.496 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 91.225 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

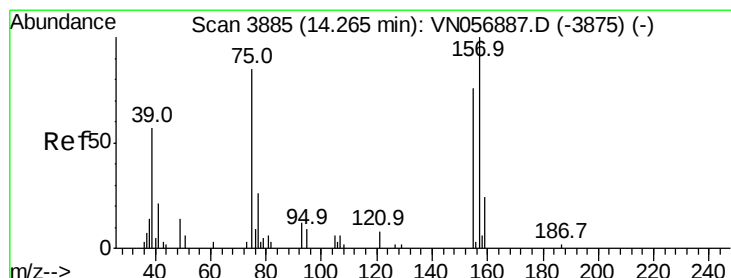
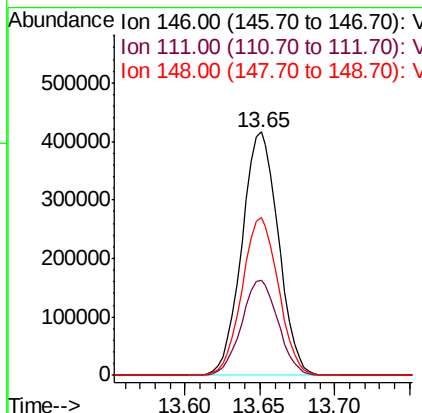
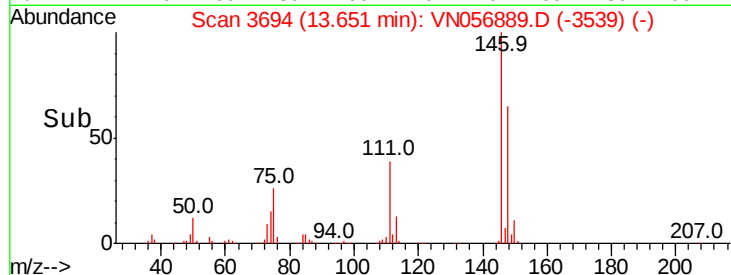
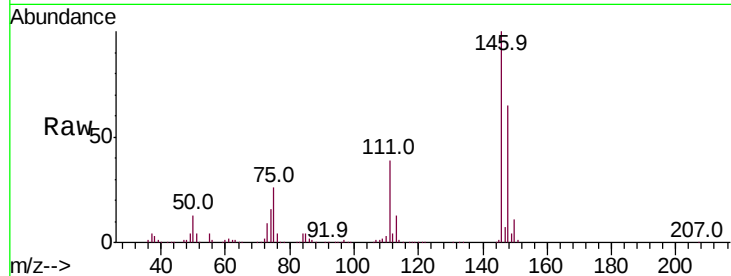
ClientSampled :

VSTDIC100

Tot Ion:	146	Resp:	706411
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.6	58.8
148	64.6	32.5	97.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 79.830 ug/l

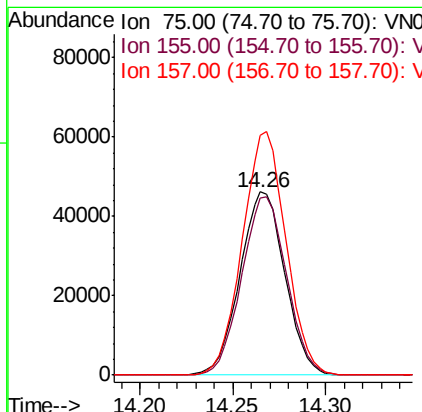
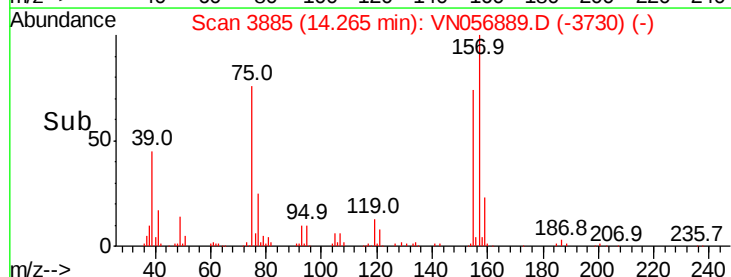
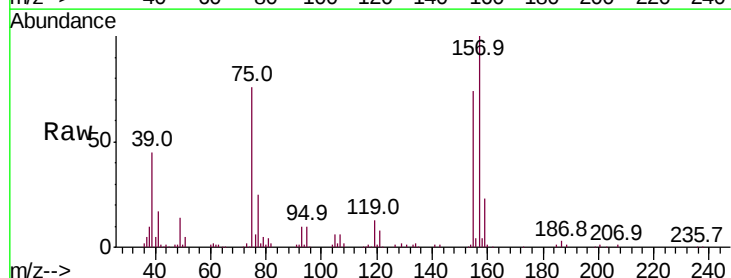
RT: 14.26 min Scan# 3885

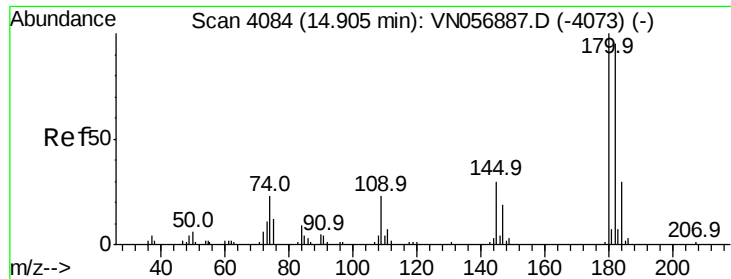
Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Tgt Ion:	75	Resp:	77691
Ion Ratio	Lower	Upper	
75	100		
155	97.1	73.4	110.2
157	129.0	95.0	142.6





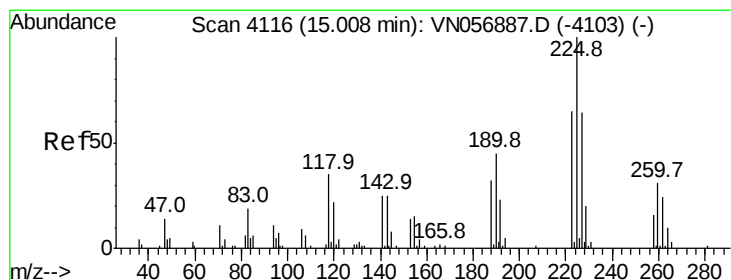
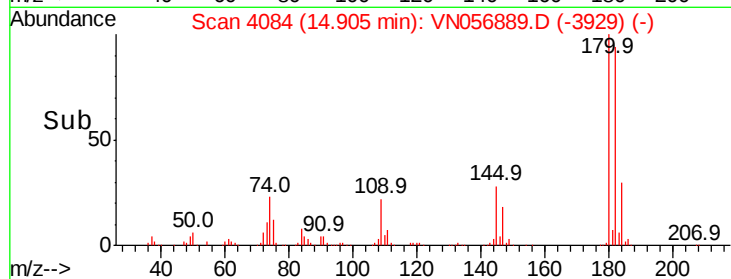
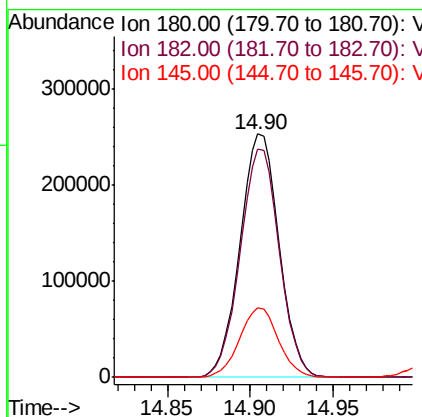
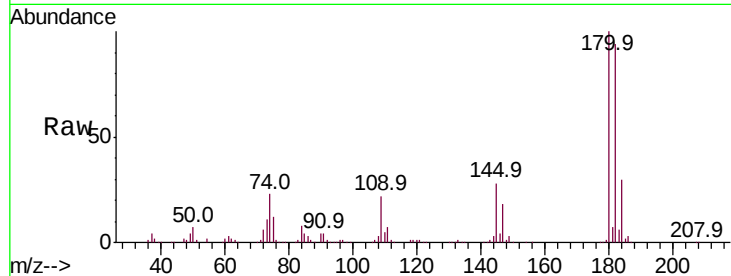
#89
 1,2,4-Trichlorobenzene
 Concen: 102.234 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	413762		
182	94.3	77.0	115.4	
145	28.4	23.5	35.3	

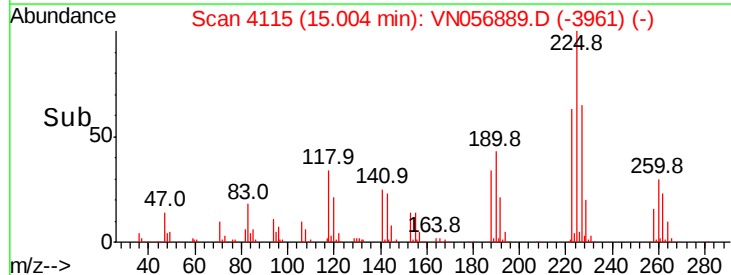
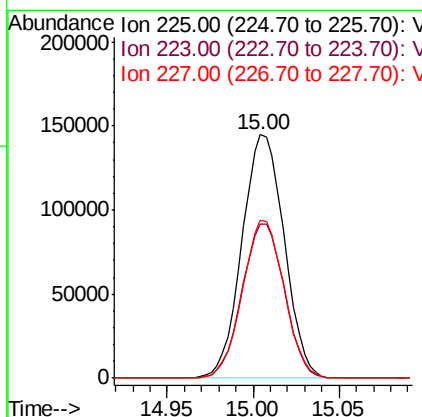
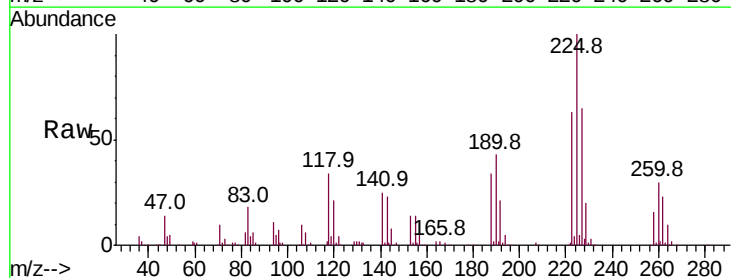
Manual Integrations
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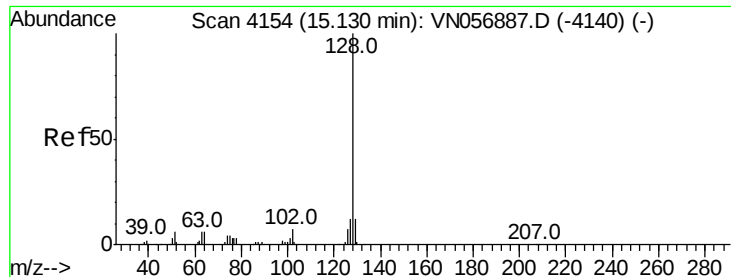
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#90
 Hexachlorobutadiene
 Concen: 90.975 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	246855		
223	63.5	0.0	130.0	
227	63.8	0.0	127.2	





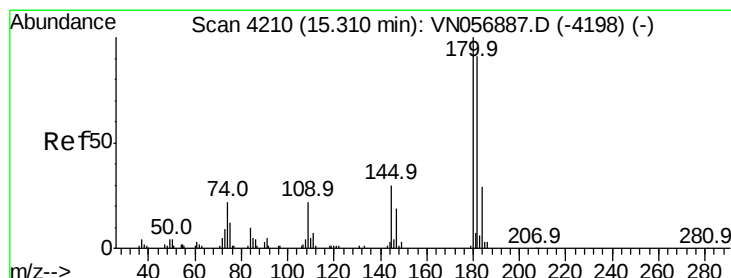
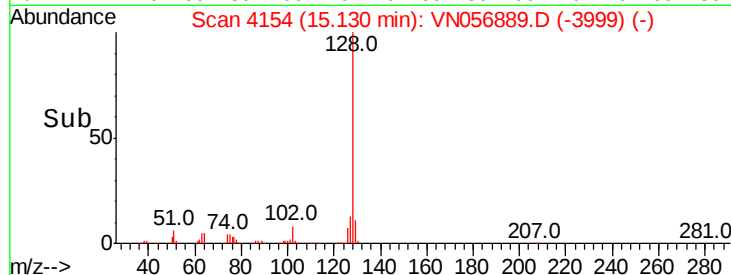
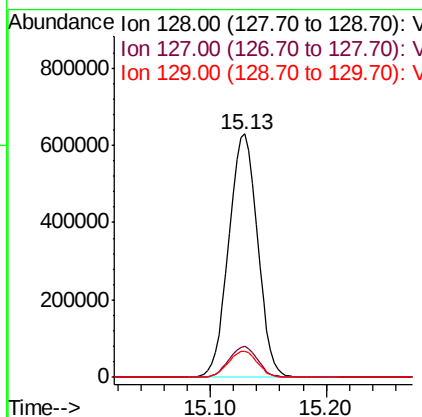
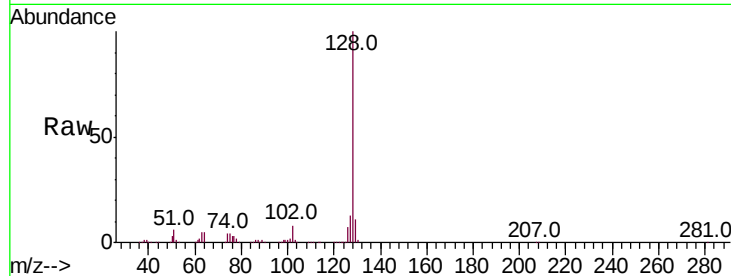
#91
Naphthalene
Concen: 98.176 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.9	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 98.764 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	188.0
145	30.3	0.0	61.0

