

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054256.D
 Acq On : 14 Mar 2019 12:42
 Operator : JC/SP
 Sample : VN0314WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:42:14 AM

Quant Time: Mar 15 07:17:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1394866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2144411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1896434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	906300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	757790	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.59	113	694427	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.09	98	2522734	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	880698	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	277997	21.029	ug/l	99
3) Chloromethane	2.06	50	243442	18.958	ug/l	99
4) Vinyl Chloride	2.19	62	288115	19.630	ug/l	99
5) Bromomethane	2.58	94	191073	18.797	ug/l	99
6) Chloroethane	2.71	64	170611	19.212	ug/l	99
7) Trichlorofluoromethane	3.02	101	380722	19.510	ug/l	100
8) Diethyl Ether	3.41	74	188334	21.179	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	318379	21.772	ug/l	100
10) Methyl Iodide	3.94	142	291742	15.125	ug/l	99
11) Tert butyl alcohol	4.82	59	89943	88.567	ug/l	100
12) 1,1-Dichloroethene	3.73	96	307805	21.241	ug/l	97
13) Acrolein	3.61	56	68157	70.827	ug/l	98
14) Allyl chloride	4.32	41	351937	18.929	ug/l	98
15) Acrylonitrile	4.99	53	436264	104.582	ug/l	100
16) Acetone	3.82	43	396230	93.419	ug/l	99
17) Carbon Disulfide	4.04	76	642777	17.694	ug/l	100
18) Methyl Acetate	4.33	43	191126	22.273	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	735112	20.466	ug/l	99
20) Methylene Chloride	4.54	84	285767	20.519	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	278011	20.023	ug/l	97
22) Diisopropyl ether	5.96	45	756294	20.381	ug/l	99
23) Vinyl Acetate	5.90	43	2704835	98.862	ug/l	100
24) 1,1-Dichloroethane	5.84	63	489150	20.530	ug/l	100
25) 2-Butanone	6.85	43	515986	103.650	ug/l	100
26) 2,2-Dichloropropane	6.82	77	385025	18.376	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	323341	20.875	ug/l	99
28) Bromochloromethane	7.19	49	190945	19.603	ug/l	97
29) Tetrahydrofuran	7.22	42	318162	99.402	ug/l	98
30) Chloroform	7.37	83	519815	20.908	ug/l	100
31) Cyclohexane	7.65	56	457405	19.792	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	447259	19.919	ug/l	99
36) 1,1-Dichloropropene	7.79	75	384582	19.474	ug/l	100
37) Ethyl Acetate	6.94	43	228483	20.136	ug/l	99
38) Carbon Tetrachloride	7.77	117	387067	18.690	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	479797	19.747	ug/l	99
40) Benzene	8.04	78	1144506	20.253	ug/l	98
41) Methacrylonitrile	7.18	41	112002	17.287	ug/l	89
42) 1,2-Dichloroethane	8.13	62	391489	20.519	ug/l	100
43) Isopropyl Acetate	8.17	43	369125	18.533	ug/l	99
44) Trichloroethene	8.84	130	355439	20.247	ug/l	100
45) 1,2-Dichloropropane	9.12	63	288295	20.545	ug/l	99
46) Dibromomethane	9.21	93	189903	20.030	ug/l	97
47) Bromodichloromethane	9.40	83	375447	19.753	ug/l	100
48) Methyl methacrylate	9.20	41	200854	19.871	ug/l	98
49) 1,4-Dioxane	9.20	88	56285	393.679	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1065073	101.047	ug/l	100
52) Toluene	10.16	92	727402	20.300	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	347225	17.324	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	418898	18.913	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	266247	20.350	ug/l	99
56) Ethyl methacrylate	10.43	69	313855	20.118	ug/l	99
57) 1,3-Dichloropropane	10.71	76	433311	20.254	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	588933	97.986	ug/l	100
59) 2-Hexanone	10.75	43	685770	97.778	ug/l	99
60) Dibromochloromethane	10.90	129	277524	18.845	ug/l	100
61) 1,2-Dibromoethane	11.01	107	267464	20.116	ug/l	99
64) Tetrachloroethene	10.63	164	357019	19.471	ug/l	98
65) Chlorobenzene	11.43	112	841887	20.218	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	289743	19.154	ug/l	97
67) Ethyl Benzene	11.51	91	1359416	19.694	ug/l	99
68) m/p-Xylenes	11.62	106	1070834	39.692	ug/l	100
69) o-Xylene	11.95	106	525677	19.988	ug/l	99
70) Styrene	11.96	104	813058	19.712	ug/l	99
71) Bromoform	12.13	173	176367	16.926	ug/l #	99
73) Isopropylbenzene	12.25	105	1405774	19.387	ug/l	100
74) N-amyl acetate	12.07	43	300491	18.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	299275	19.372	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	248809m	18.669	ug/l	
77) Bromobenzene	12.53	156	368812	19.222	ug/l	98
78) n-propylbenzene	12.59	91	1534051	19.498	ug/l	100
79) 2-Chlorotoluene	12.68	91	913432	19.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1159656	19.227	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55845	14.324	ug/l #	83
82) 4-Chlorotoluene	12.77	91	911520	19.297	ug/l	99
83) tert-Butylbenzene	12.99	119	1070186	19.278	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1156626	19.548	ug/l	99
85) sec-Butylbenzene	13.17	105	1391189	19.324	ug/l	100
86) p-Isopropyltoluene	13.29	119	1222848	19.361	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	630757	19.509	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	623176	19.621	ug/l	99
89) n-Butylbenzene	13.62	91	946530	19.723	ug/l	100
90) Hexachloroethane	13.88	117	177331	16.956	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	624982	19.774	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43584	18.232	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	335229	19.200	ug/l	99
94) Hexachlorobutadiene	15.01	225	237496	19.727	ug/l	100
95) Naphthalene	15.13	128	646206	18.598	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	337838	20.118	ug/l	100

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

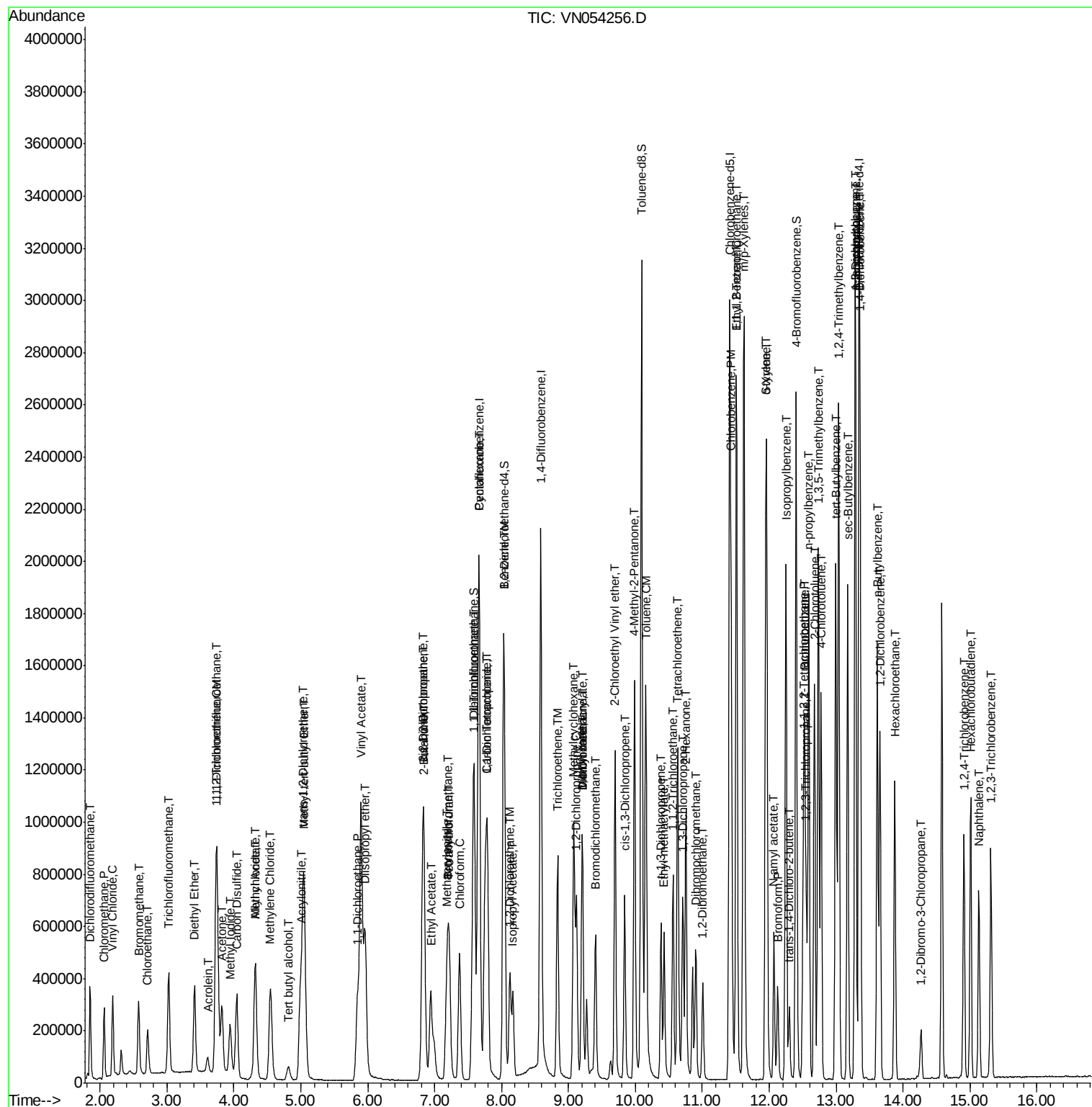
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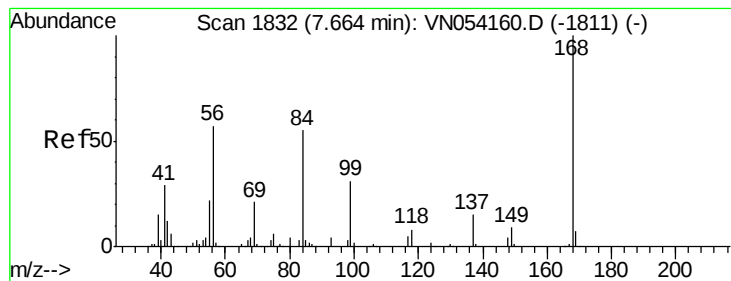
Instrument :
 MSVOA_N
 Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion:168 Resp: 1394866

Ion Ratio Lower Upper

168 100

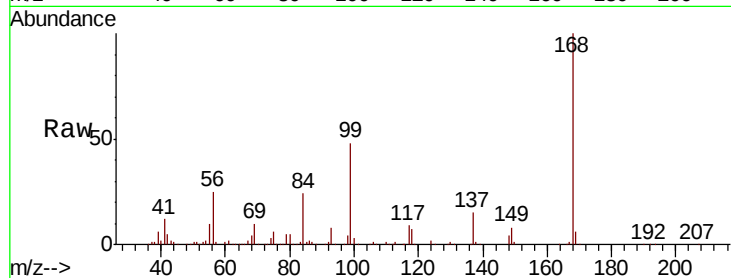
99 47.1 37.1 55.7

Manual Integrations

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3/15/2019 9:42:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

600000

500000

400000

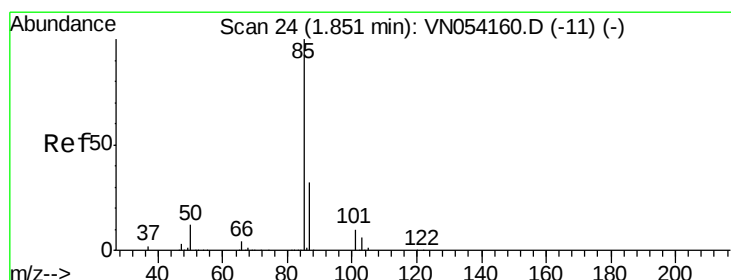
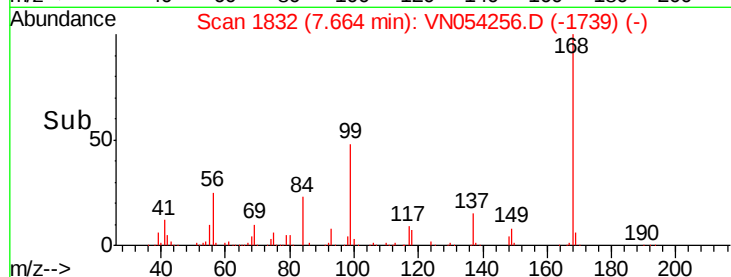
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 21.029 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054256.D

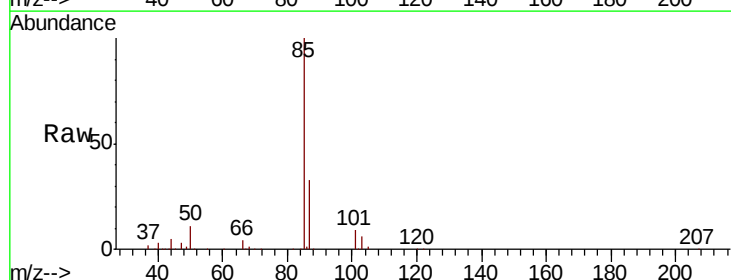
Acq: 14 Mar 2019 12:42

Tgt Ion: 85 Resp: 277997

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

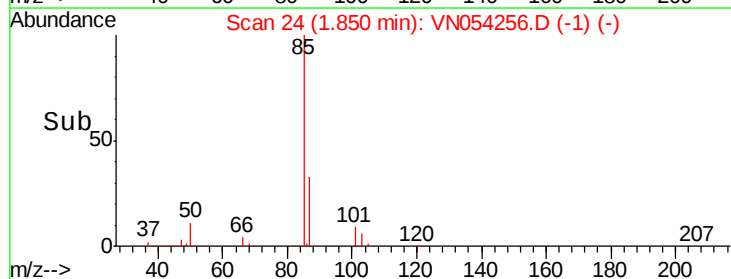
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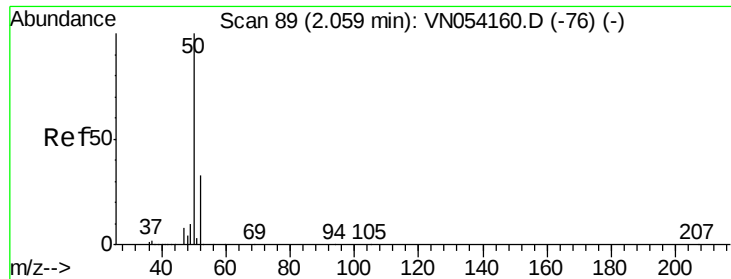
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.958 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

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ClientSampleId :

VN0314WBS01

Tgt Ion: 50 Resp: 243442

Ion Ratio Lower Upper

50 100

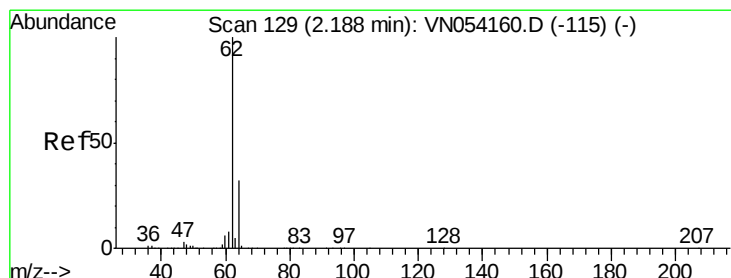
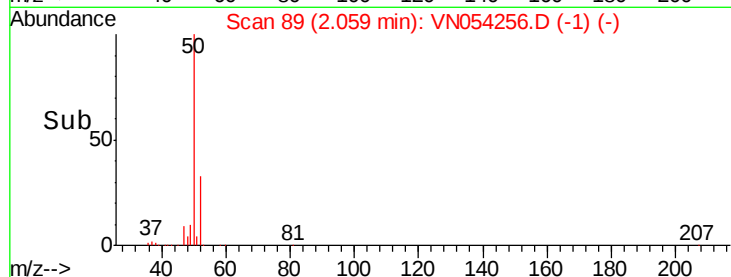
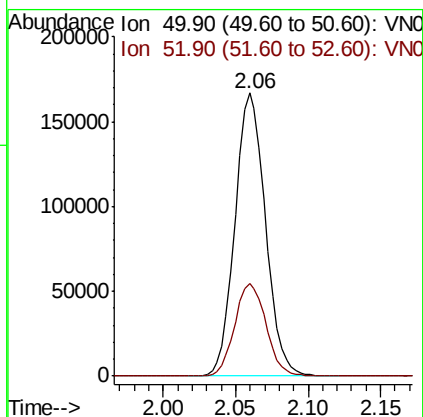
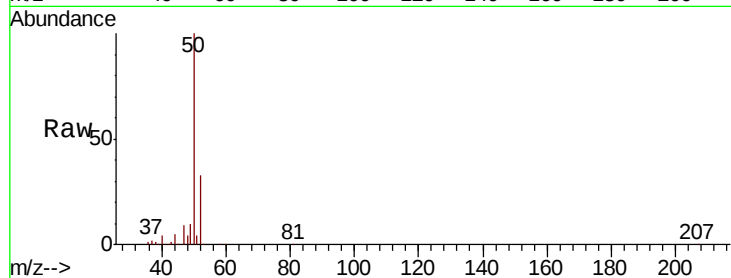
52 32.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.630 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054256.D

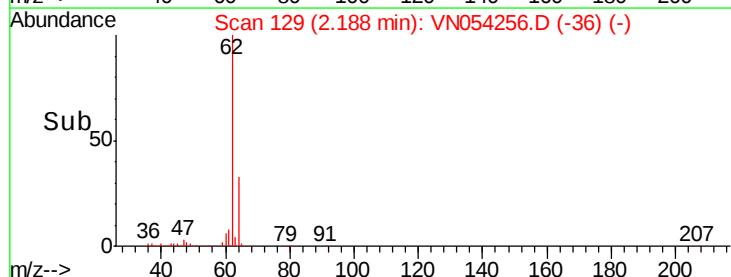
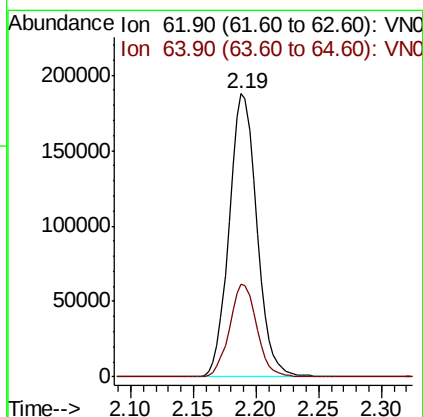
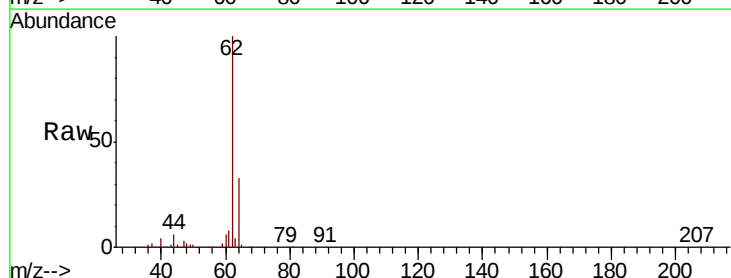
Acq: 14 Mar 2019 12:42

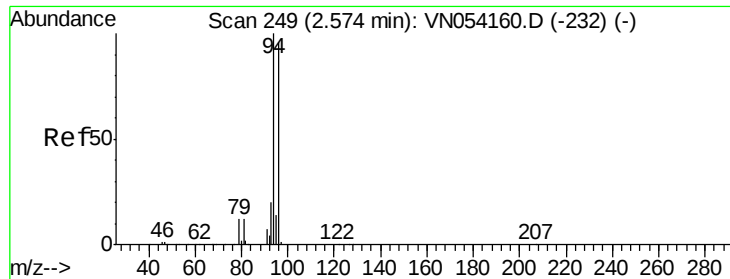
Tgt Ion: 62 Resp: 288115

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 18.797 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

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ClientSampleId :

VN0314WBS01

Tgt Ion: 94 Resp: 191073

Ion Ratio Lower Upper

94 100

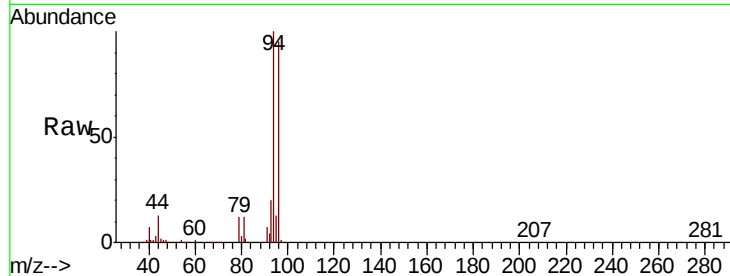
96 95.2 77.0 115.4

Manual Integrations

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3/15/2019 9:42:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

120000

100000

80000

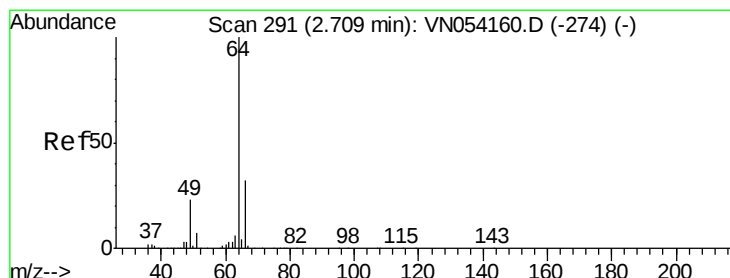
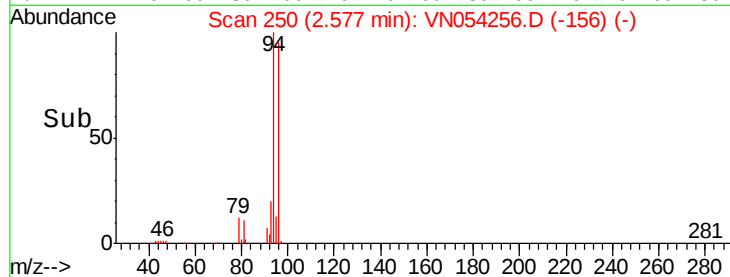
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.212 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054256.D

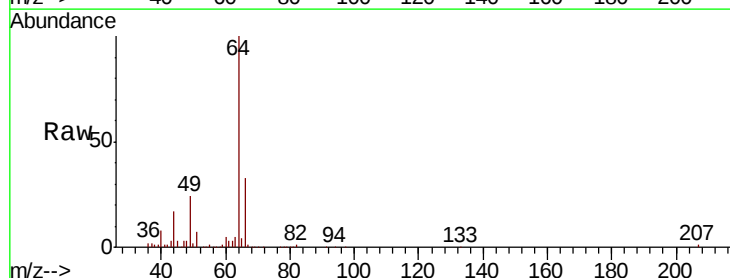
Acq: 14 Mar 2019 12:42

Tgt Ion: 64 Resp: 170611

Ion Ratio Lower Upper

64 100

66 32.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

100000

80000

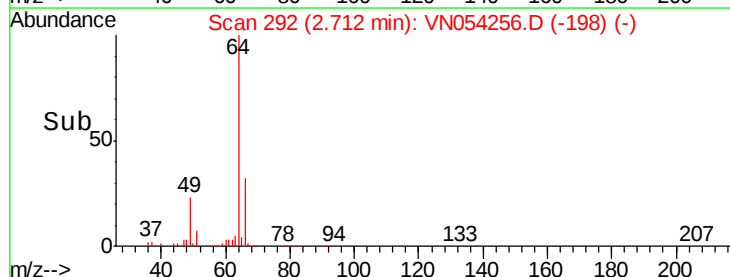
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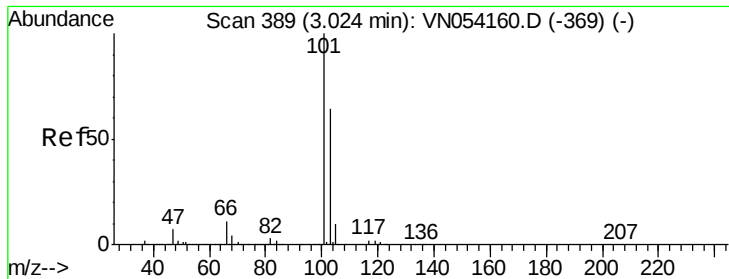
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20000

0

Time-->





#7

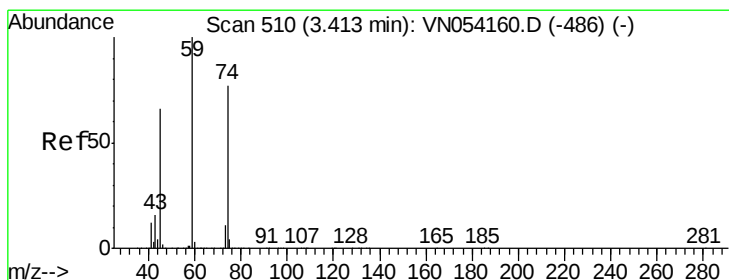
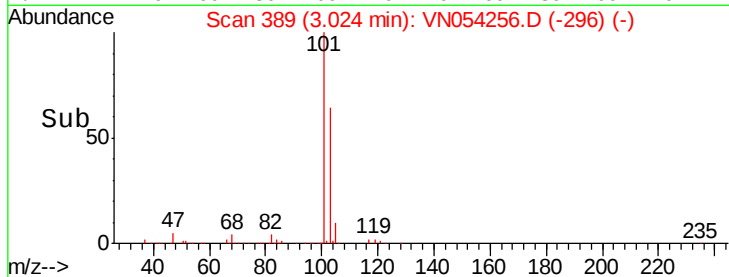
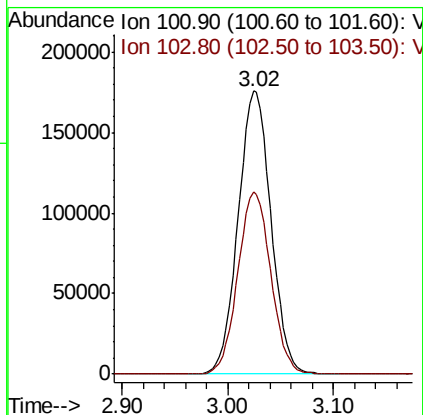
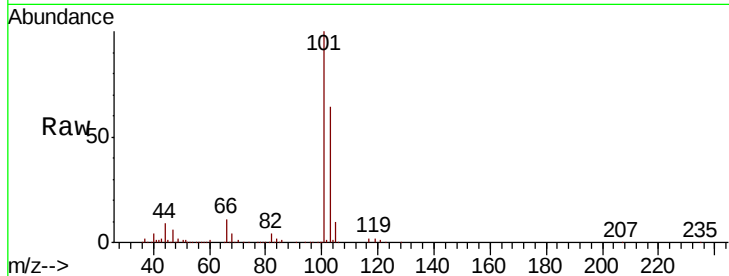
Trichlorofluoromethane
 Concen: 19.510 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054256.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

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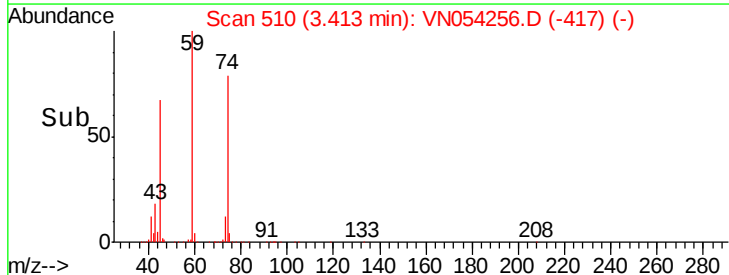
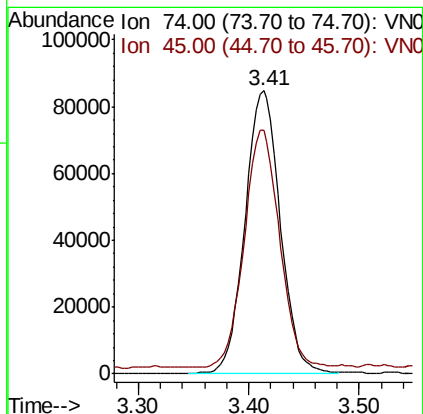
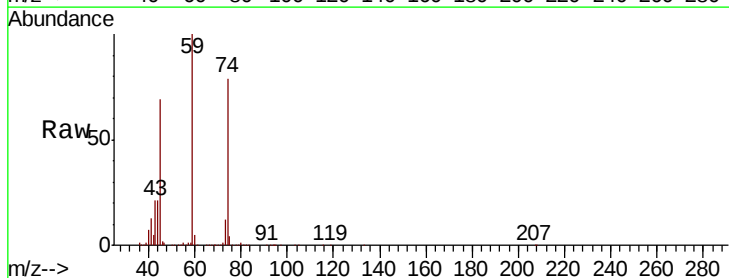
MMDadoda
 3/15/2019 9:42:14 AM

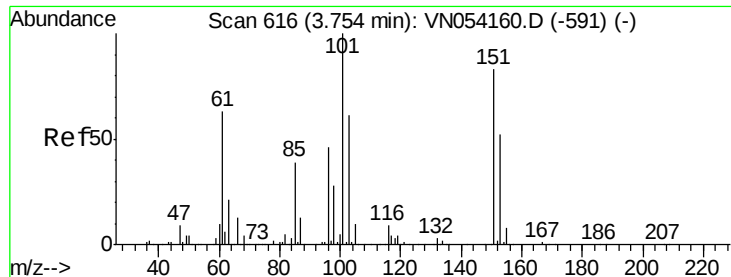


#8

Diethyl Ether
 Concen: 21.179 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.772 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

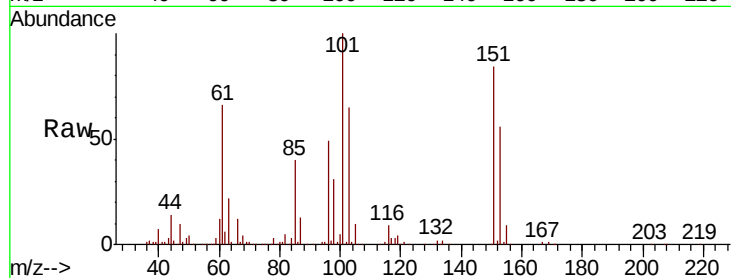
ClientSampleId :

VN0314WBS01

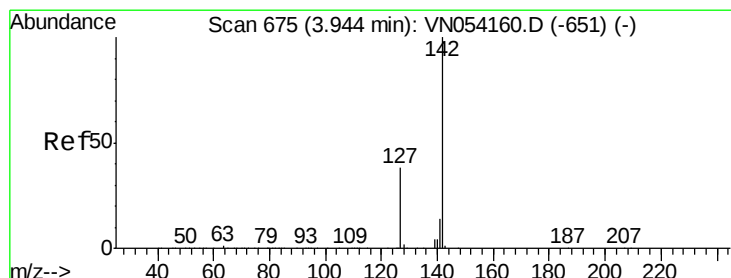
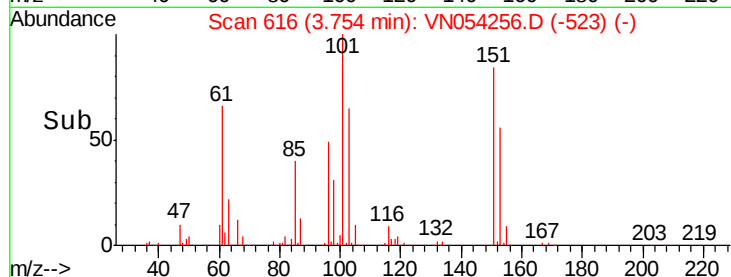
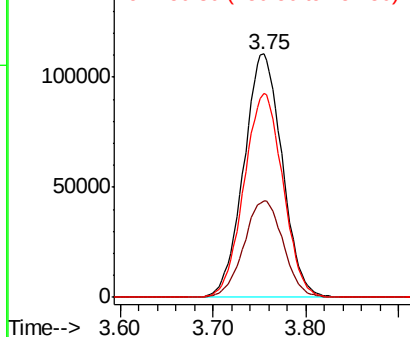
Tgt Ion:	101	Resp:	318379
Ion Ratio	Lower	Upper	
101	100		
85	40.6	32.4	48.6
151	84.8	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
150000
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.125 ug/l

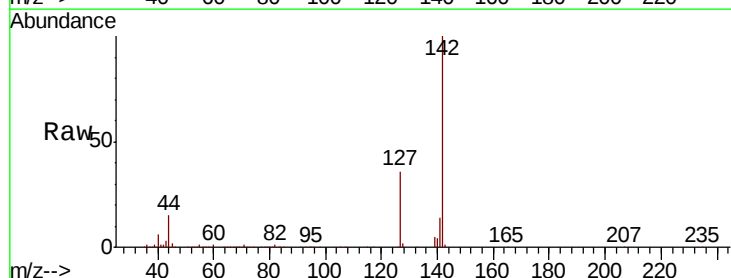
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

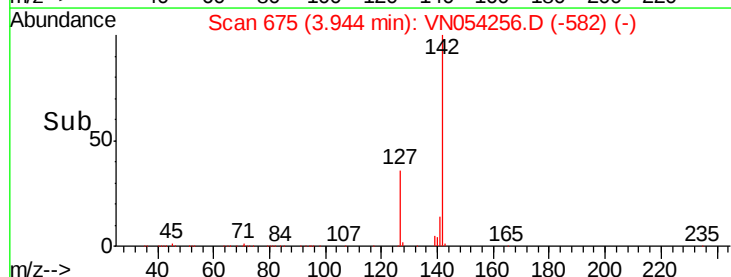
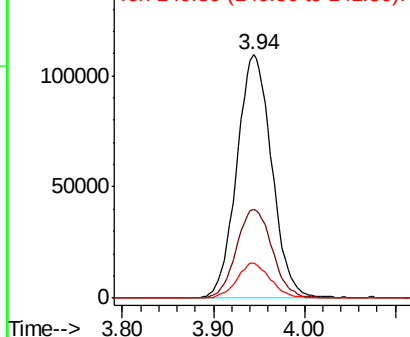
Lab File: VN054256.D

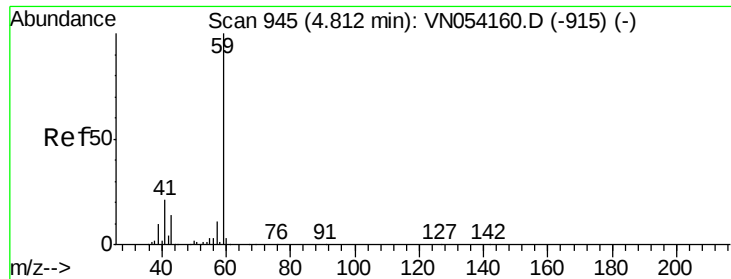
Acq: 14 Mar 2019 12:42

Tgt Ion:	142	Resp:	291742
Ion Ratio	Lower	Upper	
142	100		
127	37.4	30.3	45.5
141	13.8	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
150000
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





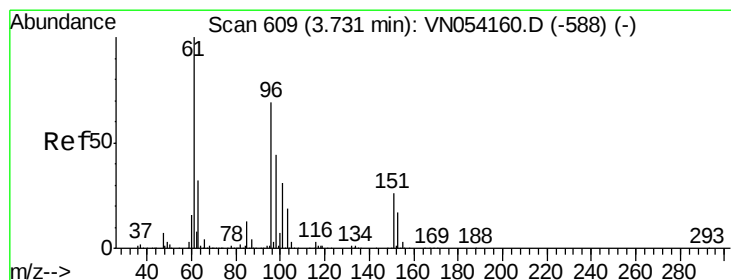
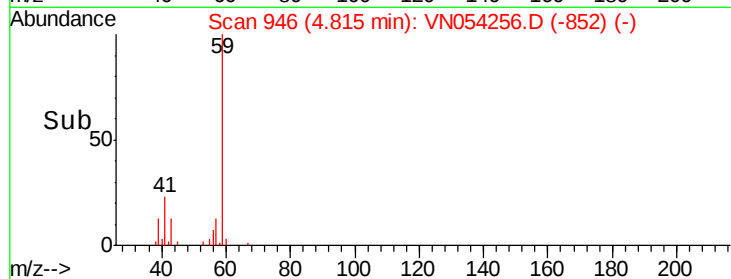
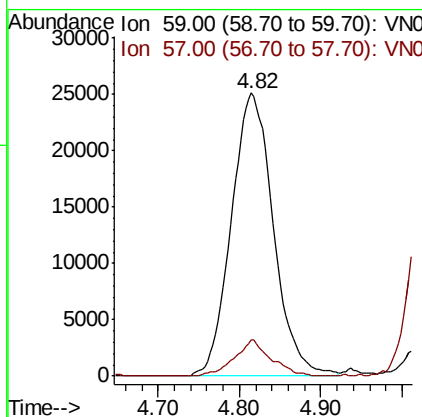
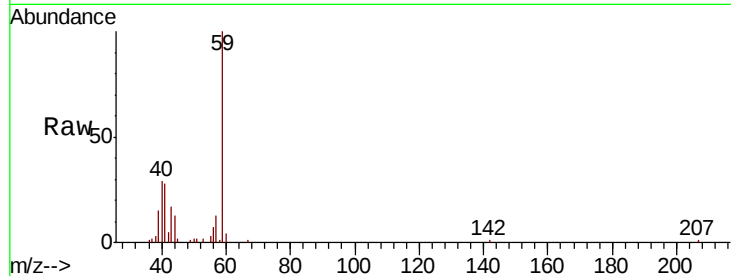
#11
Tert butyl alcohol
Concen: 88.567 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.6

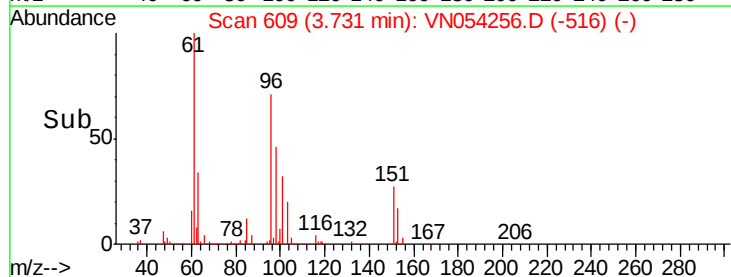
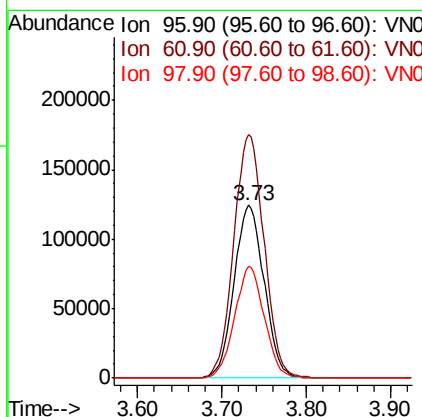
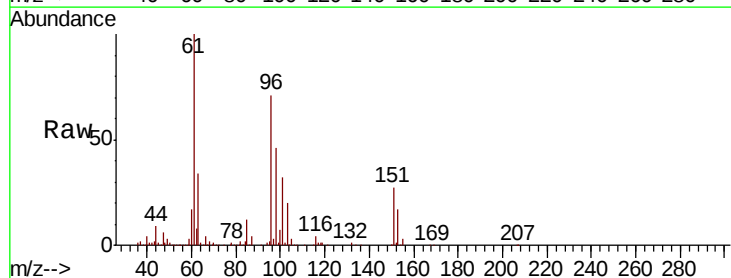
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#12
1,1-Dichloroethene
Concen: 21.241 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.2	116.5	174.7
98	64.6	51.0	76.4





#13

Acrolein

Concen: 70.827 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion: 56 Resp: 68157

Ion Ratio Lower Upper

56 100

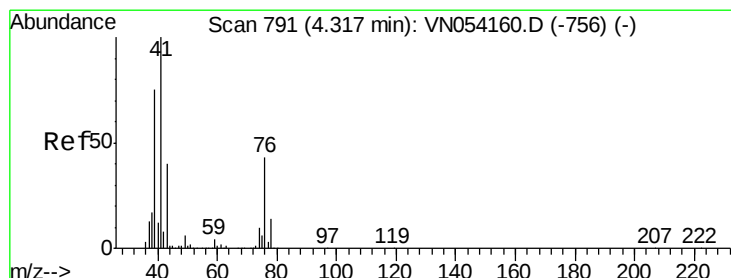
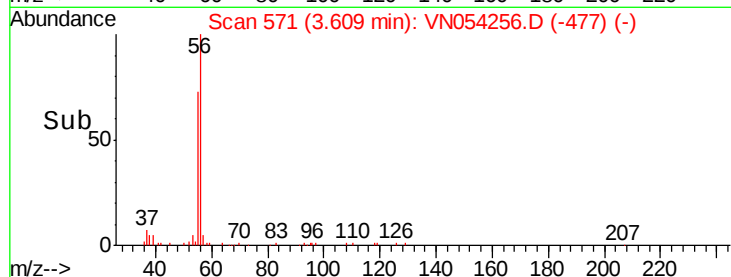
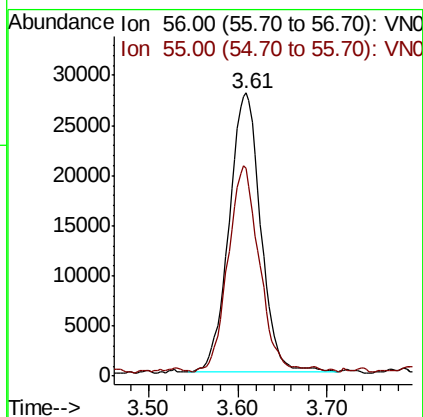
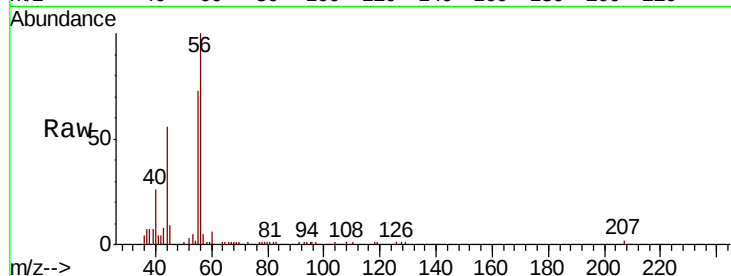
55 72.8 56.7 85.1

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 18.929 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

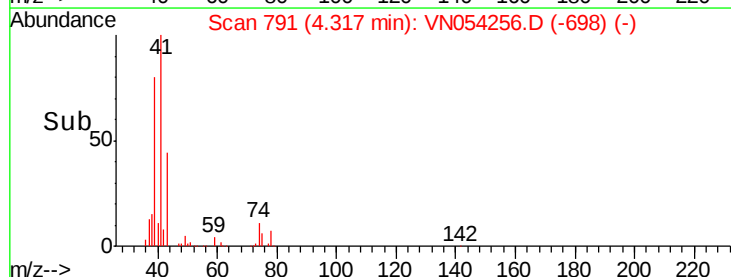
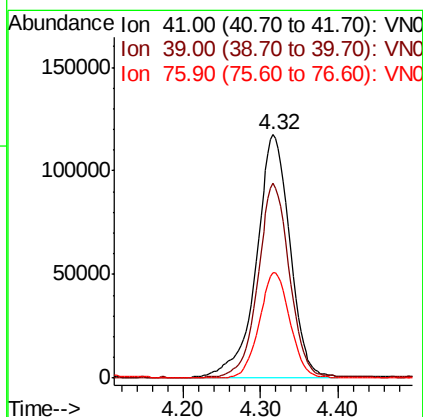
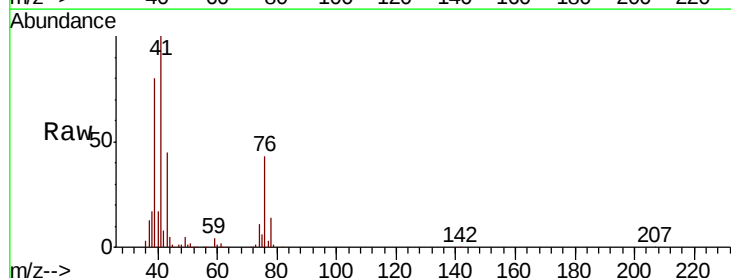
Tgt Ion: 41 Resp: 351937

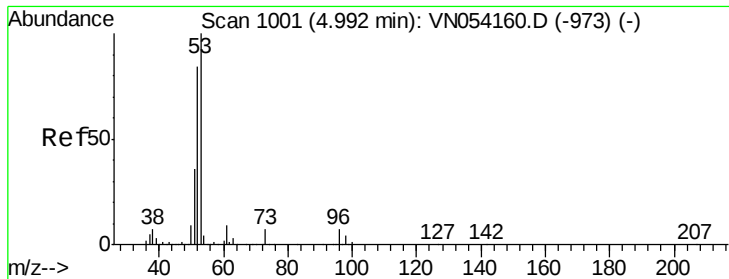
Ion Ratio Lower Upper

41 100

39 75.5 58.2 87.4

76 39.9 31.7 47.5





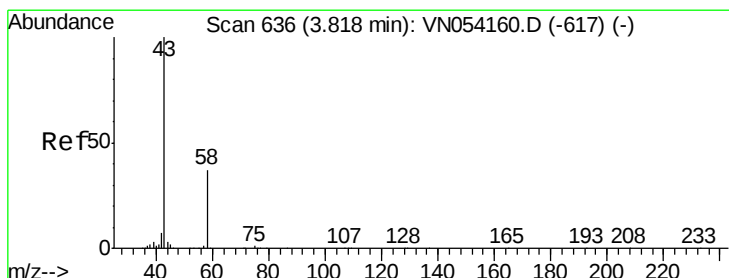
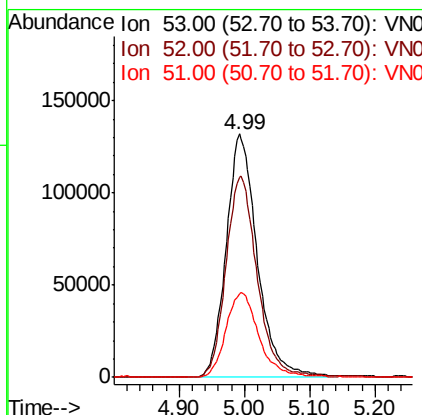
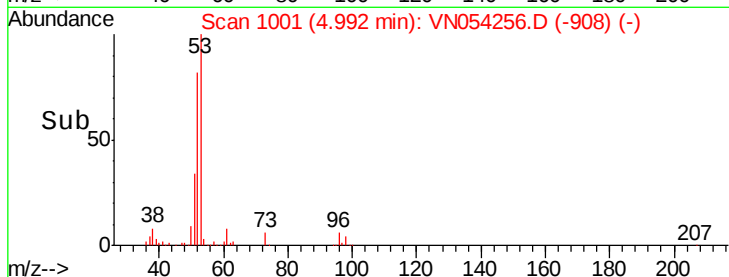
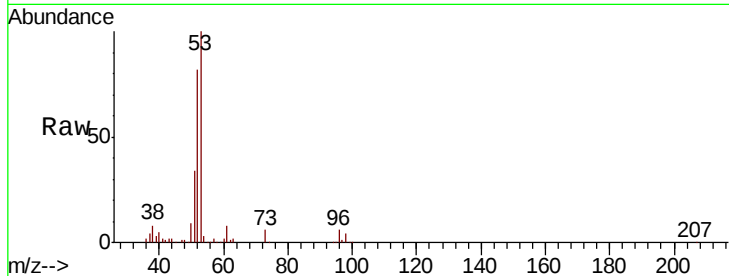
#15
Acrylonitrile
Concen: 104.582 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	37.1	29.6	44.4

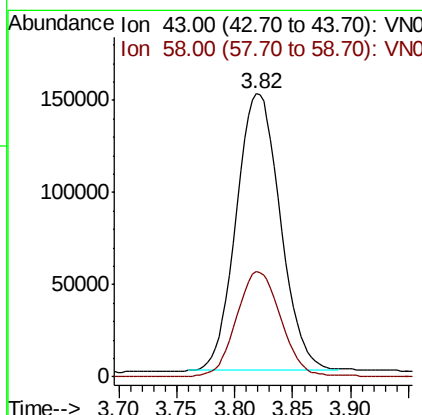
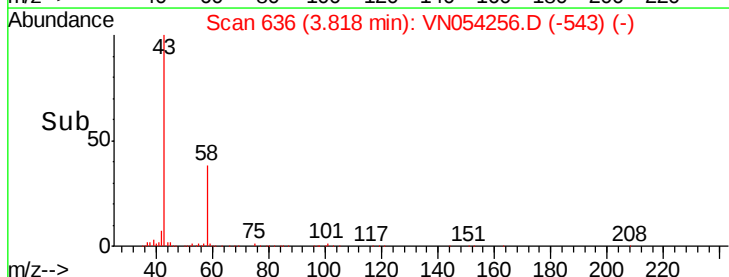
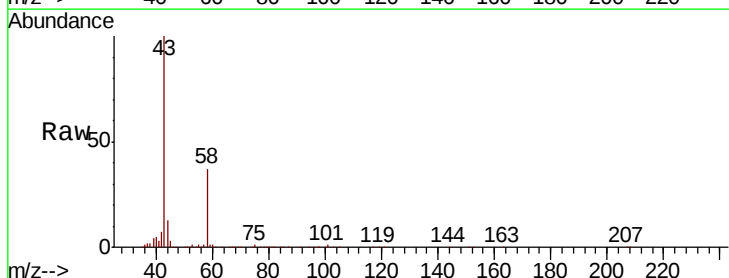
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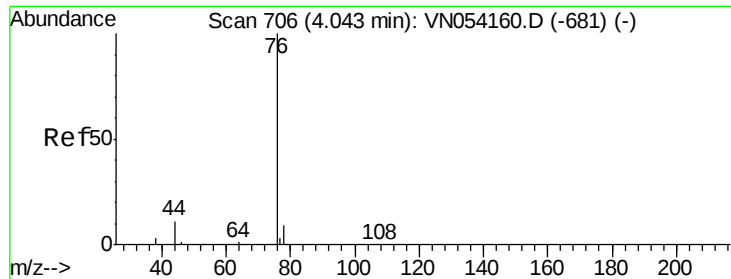
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#16
Acetone
Concen: 93.419 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.9	44.9





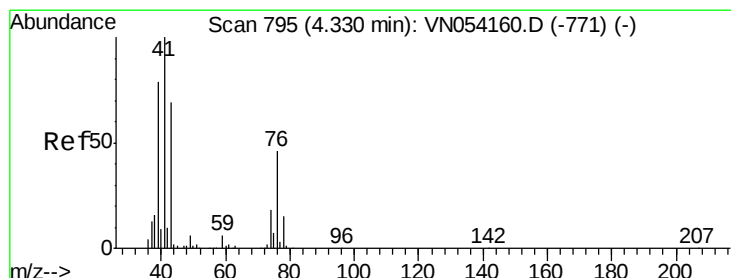
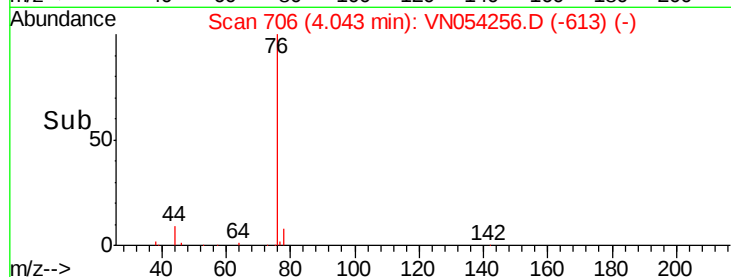
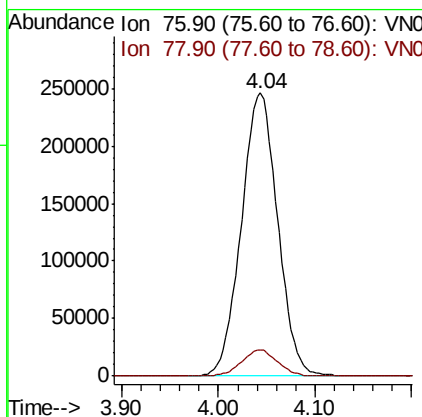
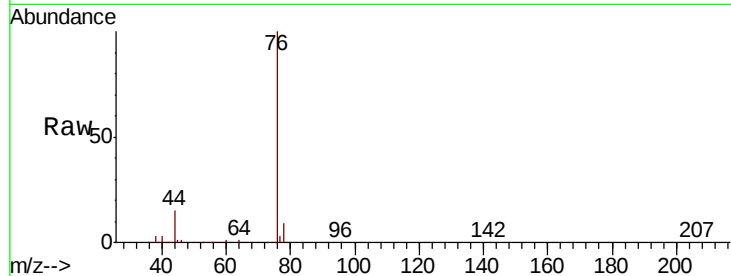
#17
Carbon Disulfide
Concen: 17.694 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion: 76 Resp: 642777
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

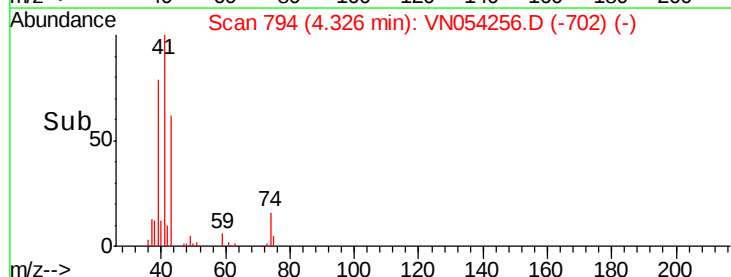
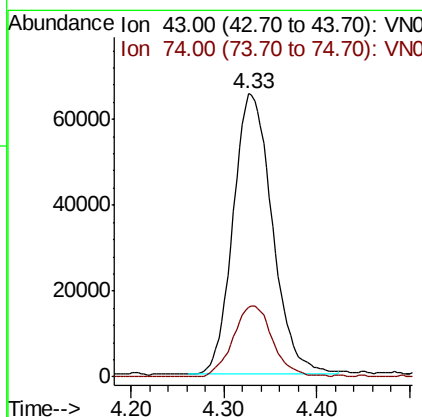
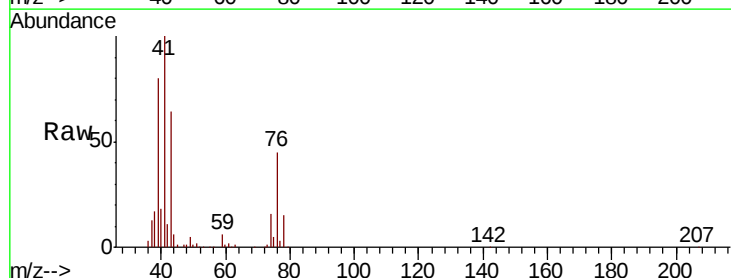
Manual Integrations
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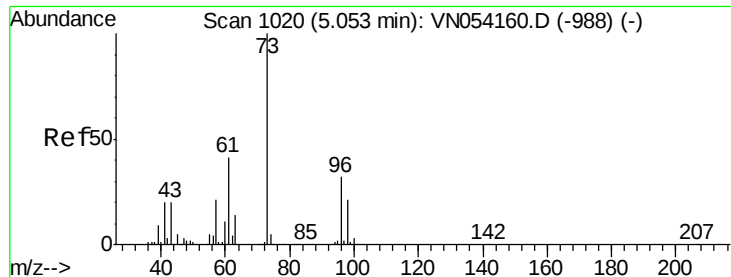
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#18
Methyl Acetate
Concen: 22.273 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 43 Resp: 191126
Ion Ratio Lower Upper
43 100
74 25.7 20.8 31.2





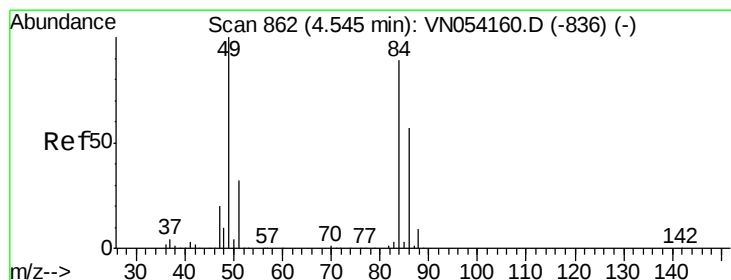
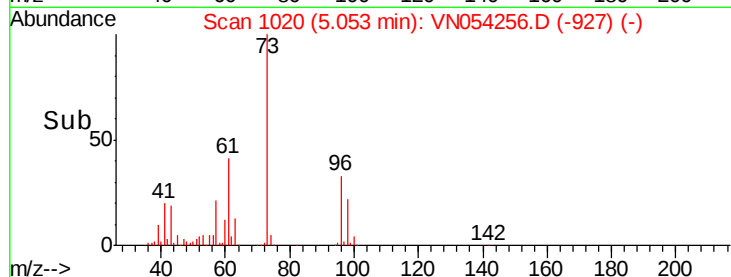
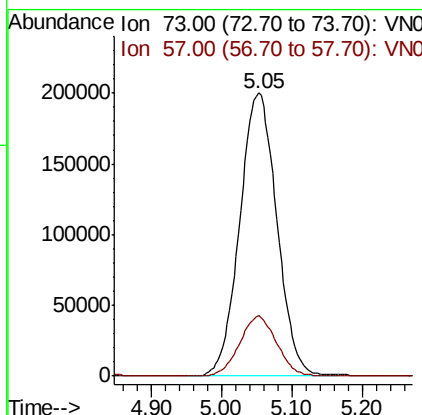
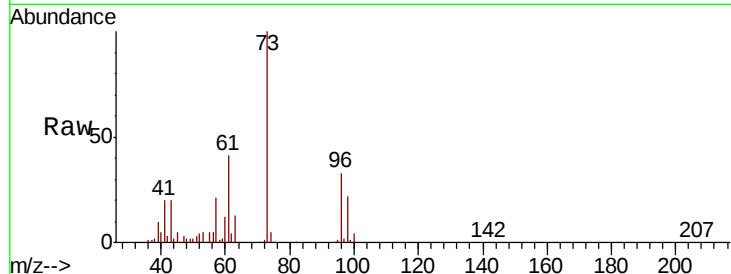
#19
Methyl tert-butyl Ether
Concen: 20.466 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion: 73 Resp: 735112
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2

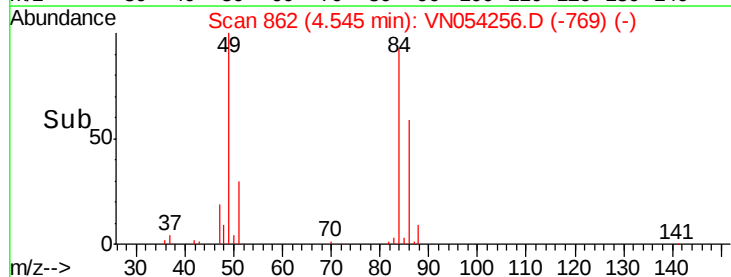
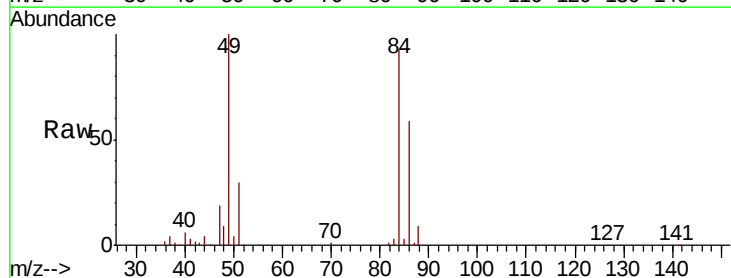
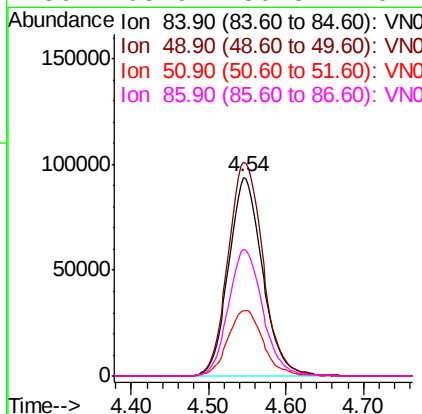
Manual Integrations
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#20
Methylene Chloride
Concen: 20.519 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 84 Resp: 285767
Ion Ratio Lower Upper
84 100
49 107.5 89.7 134.5
51 32.6 28.2 42.4
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.023 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

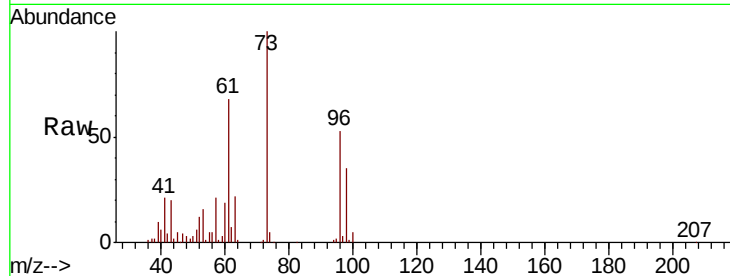
ClientSampleId :

VN0314WBS01

Tgt Ion:	96	Resp:	278011
Ion	Ratio	Lower	Upper
96	100		
61	130.1	102.8	154.2
98	66.6	50.0	75.0

Manual Integrations
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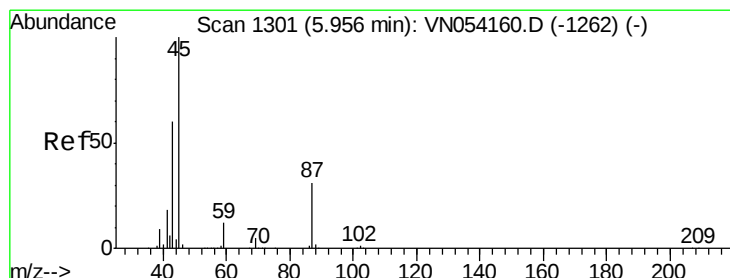
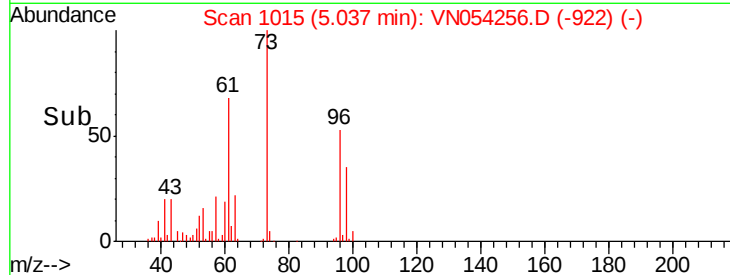
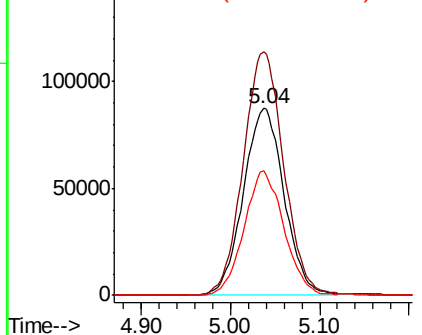


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.381 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion:	45	Resp:	756294
Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.2	72.2
87	31.2	24.9	37.3
59	12.0	9.5	14.3

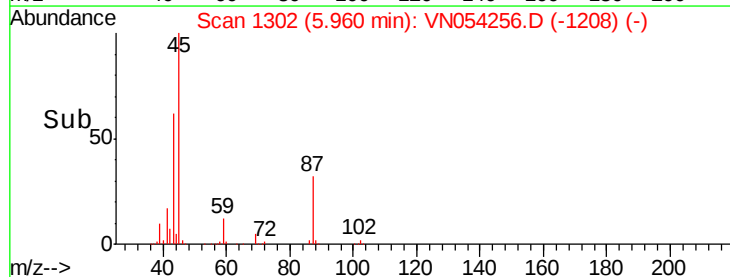
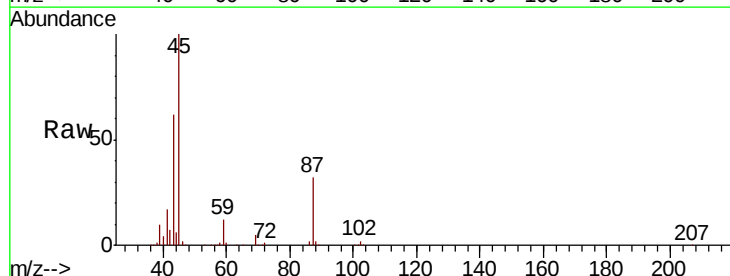
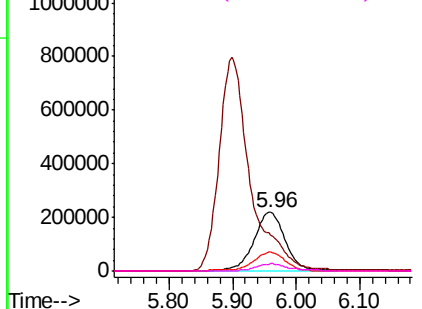
Abundance

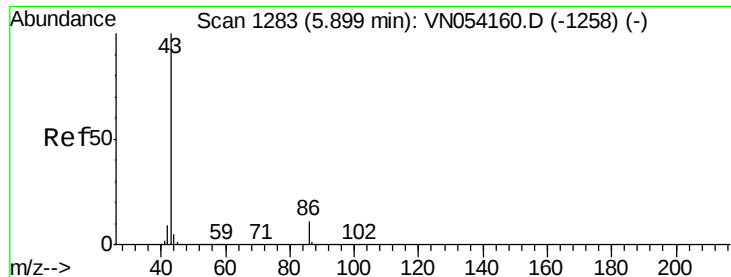
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.862 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion: 43 Resp: 2704835

Ion Ratio Lower Upper

43 100

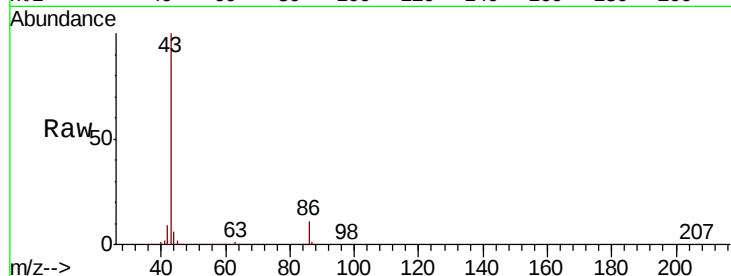
86 11.2 9.1 13.7

Manual Integrations

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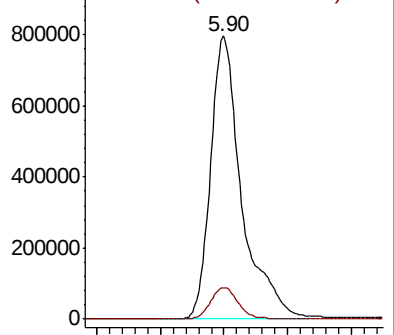
MMDadoda

3/15/2019 9:42:14 AM

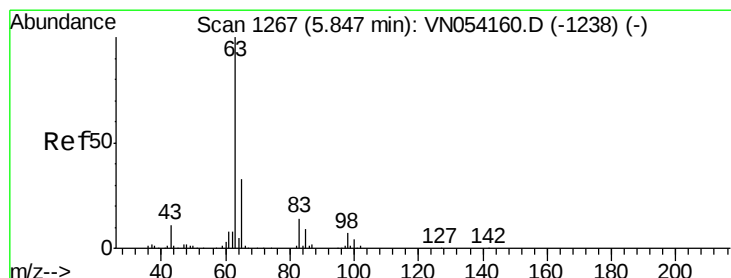
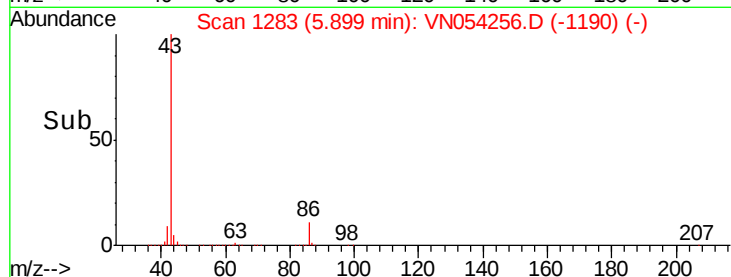


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.530 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

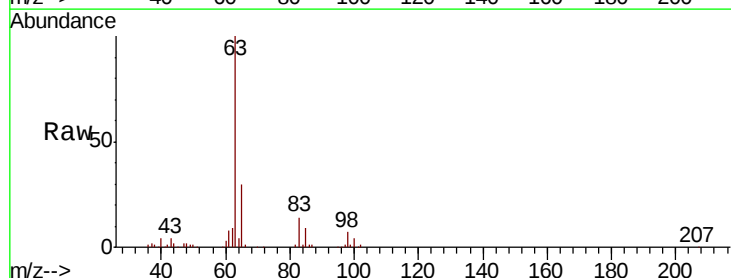
Tgt Ion: 63 Resp: 489150

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

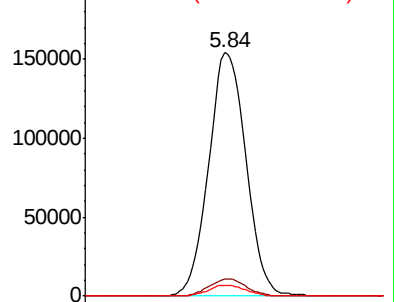
100 4.4 2.0 6.0



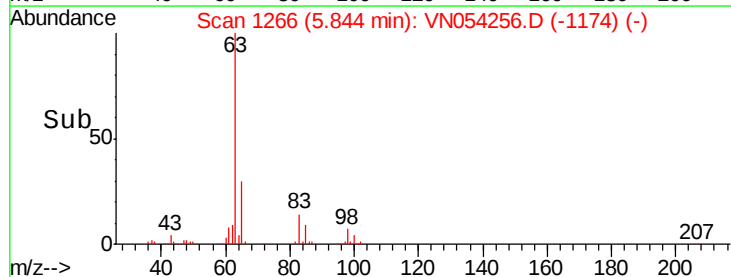
Abundance Ion 62.90 (62.60 to 63.60): VN0

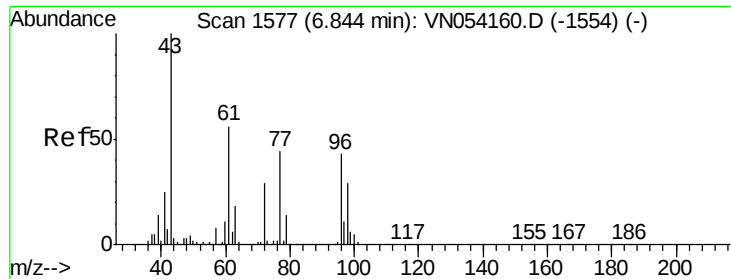
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





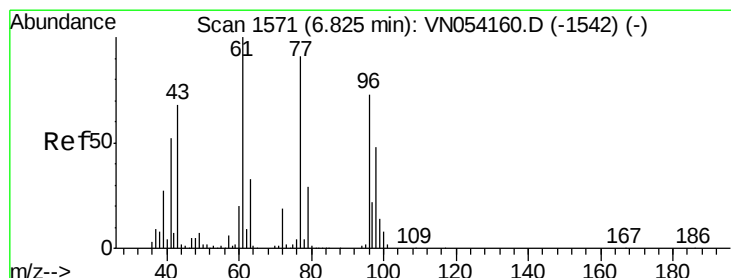
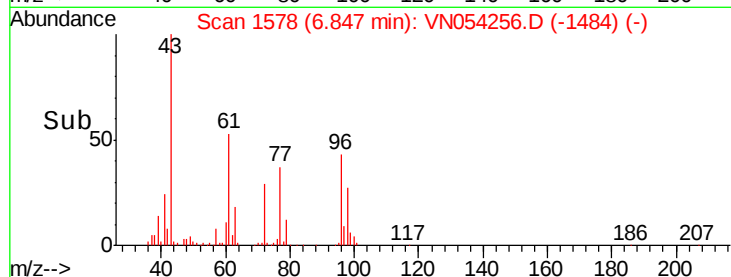
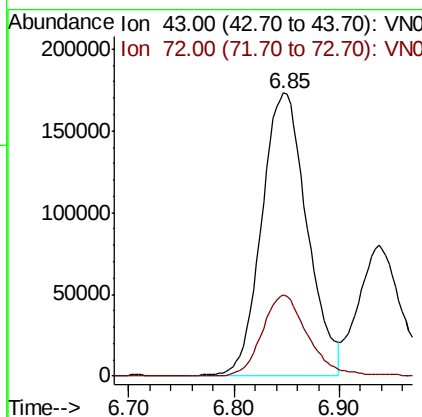
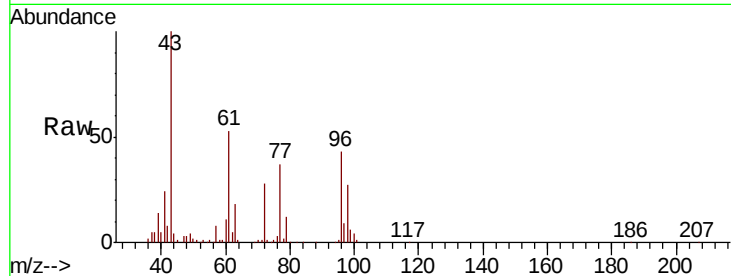
#25
2-Butanone
Concen: 103.650 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion: 43 Resp: 515986
Ion Ratio Lower Upper
43 100
72 28.6 23.0 34.6

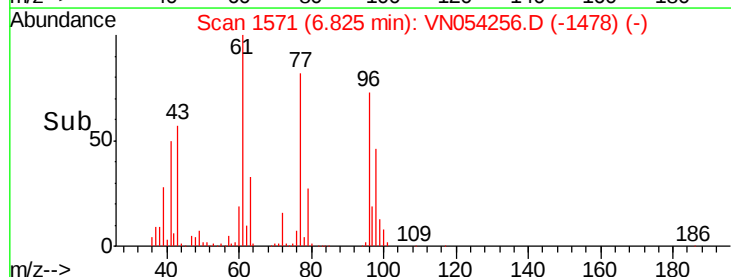
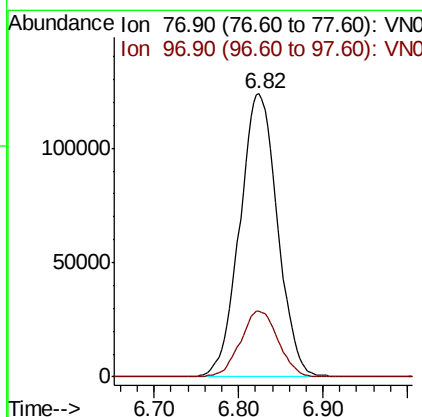
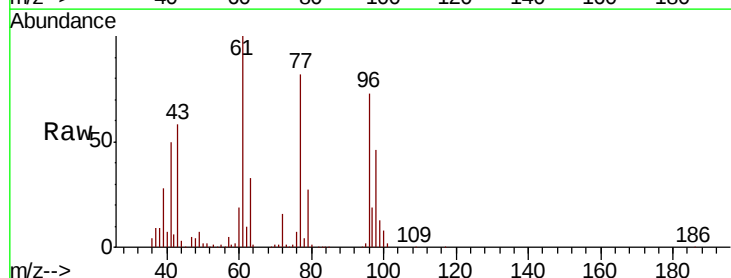
Manual Integrations
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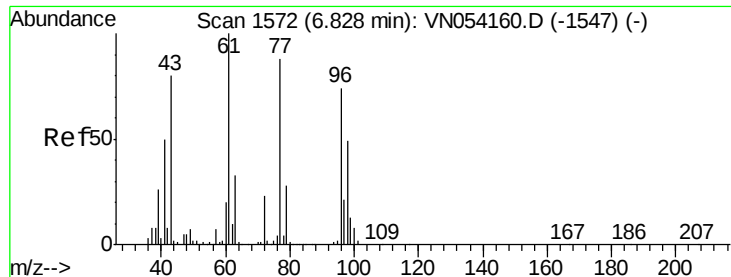
MMDadoda
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#26
2,2-Dichloropropane
Concen: 18.376 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 77 Resp: 385025
Ion Ratio Lower Upper
77 100
97 23.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.875 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

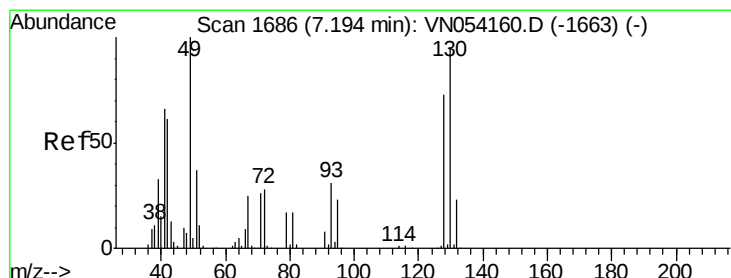
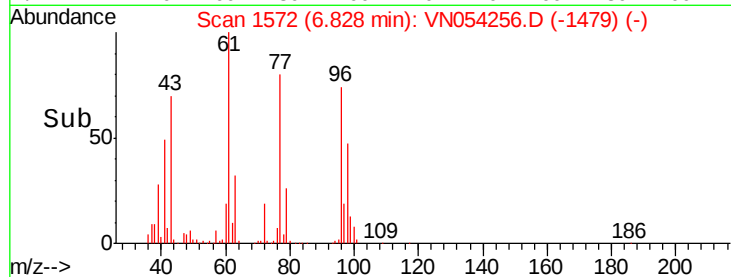
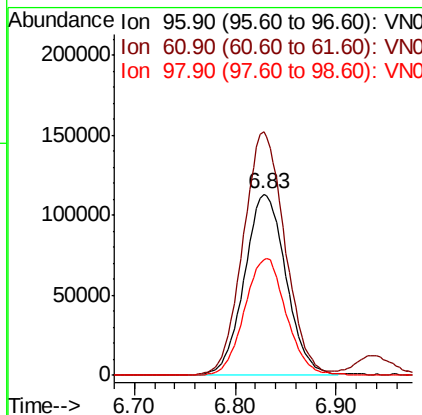
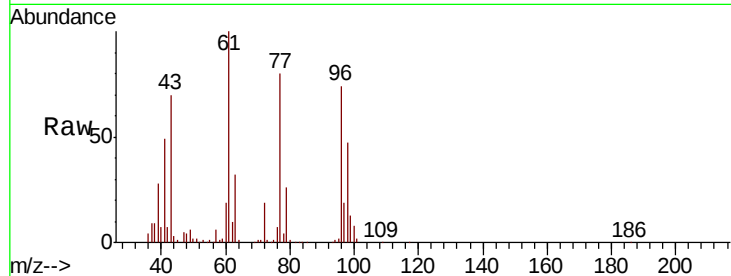
ClientSampleId :

VN0314WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	323341		
61	135.4	0.0	273.0	
98	65.0	0.0	130.6	

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#28

Bromochloromethane

Concen: 19.603 ug/l

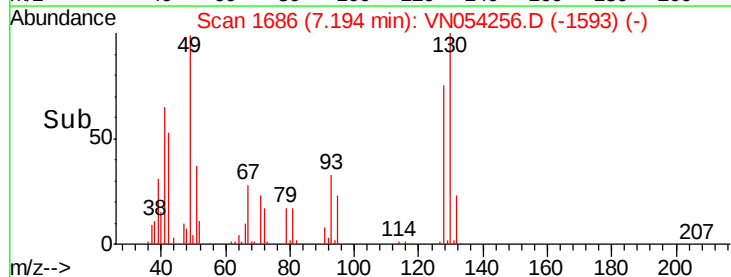
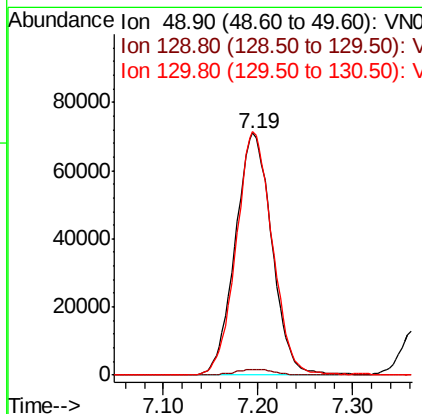
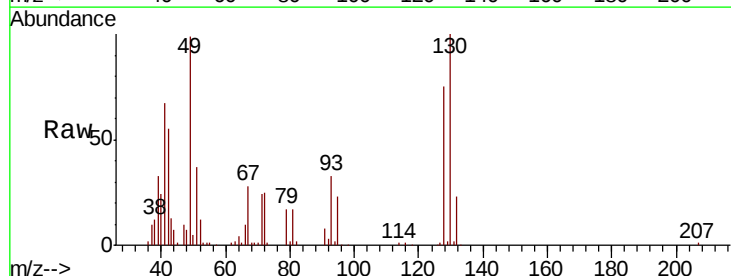
RT: 7.19 min Scan# 1686

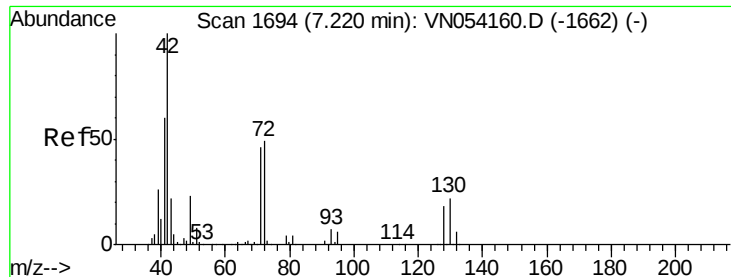
Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	190945		
129	2.5	0.0	4.6	
130	98.9	76.7	115.1	





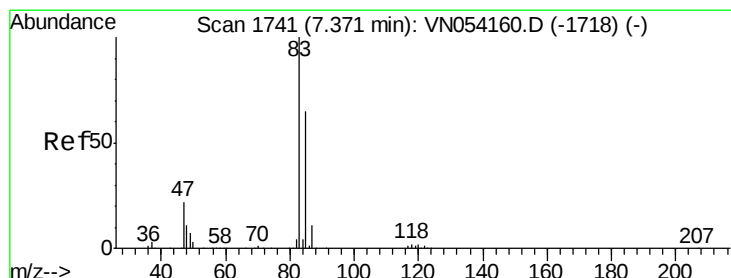
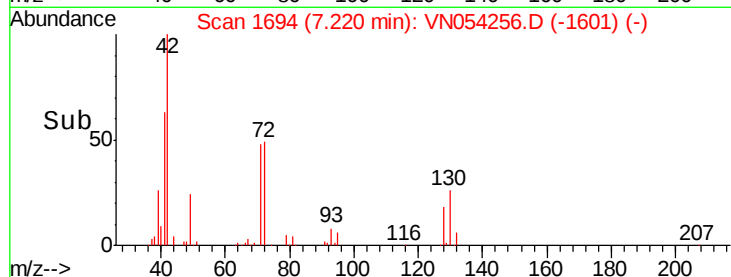
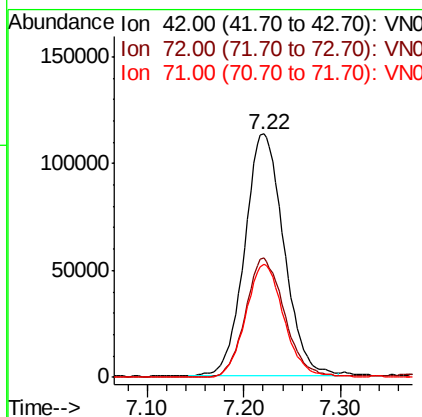
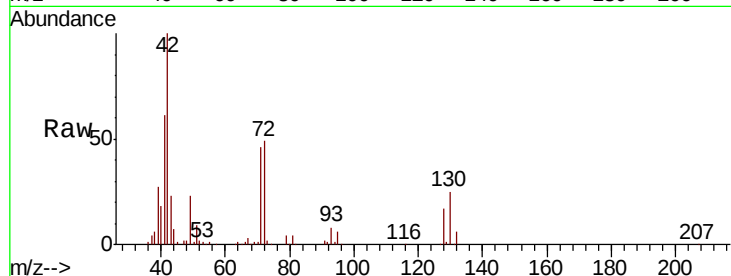
#29
Tetrahydrofuran
Concen: 99.402 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.8	37.8	56.6
71	45.9	36.2	54.2

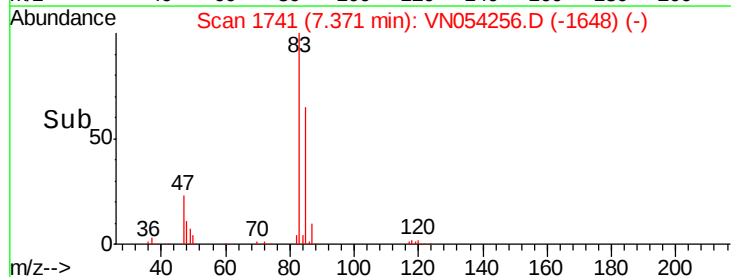
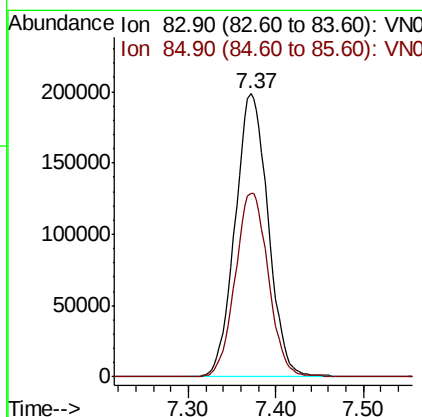
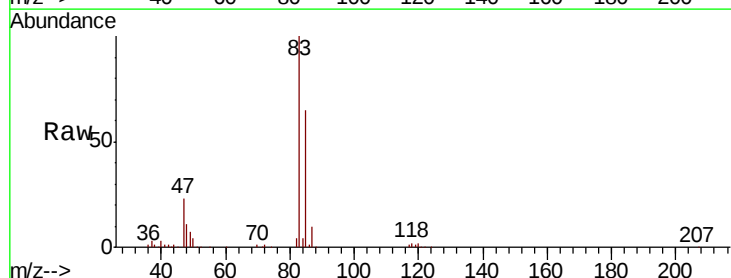
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#30
Chloroform
Concen: 20.908 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





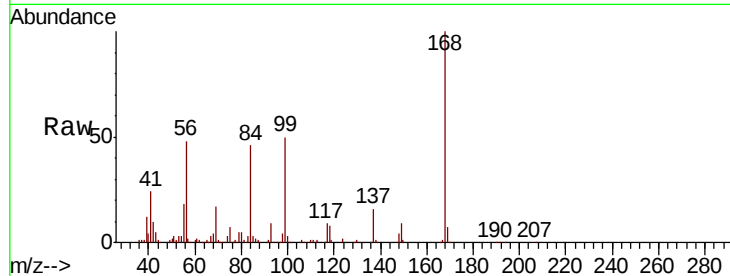
#31
Cyclohexane
Concen: 19.792 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.8	27.8	41.6
84	93.0	74.6	111.8

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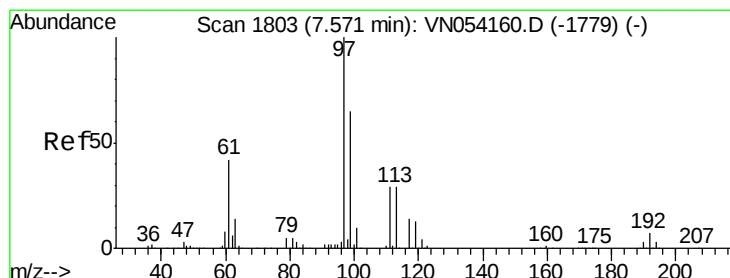
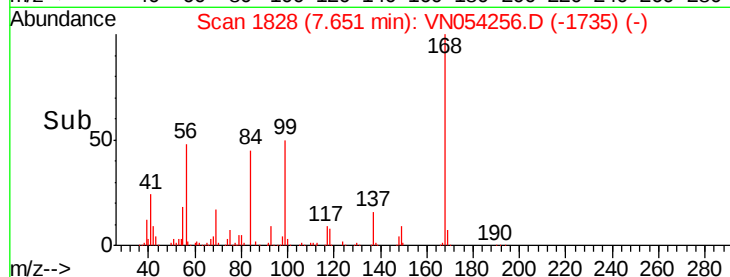
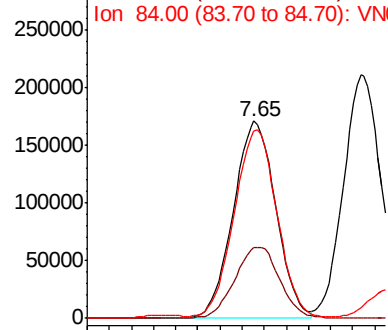


Abundance

Ion 56.00 (55.70 to 56.70): VN0

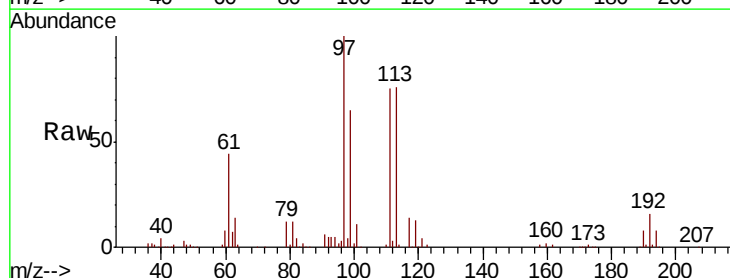
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 19.919 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	43.4	33.6	50.4

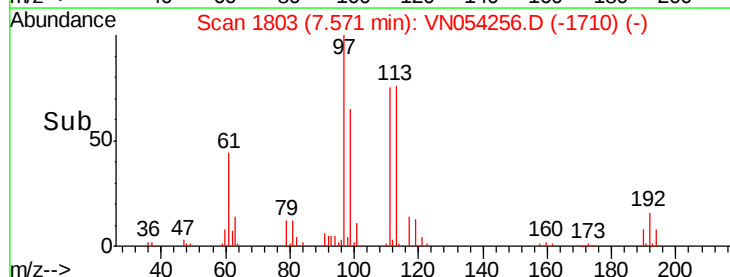
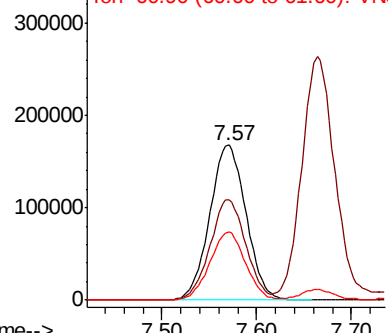


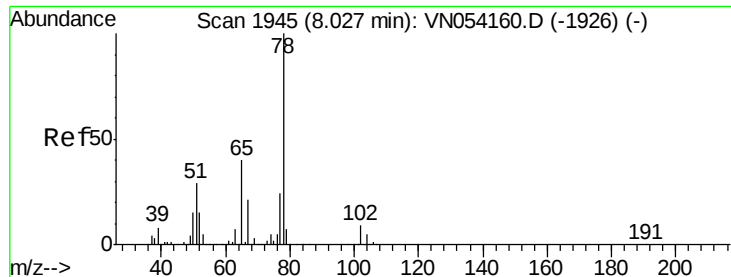
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





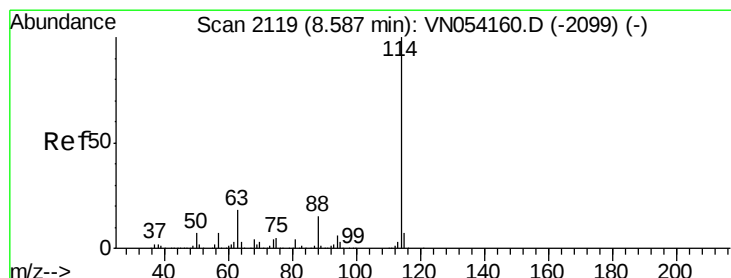
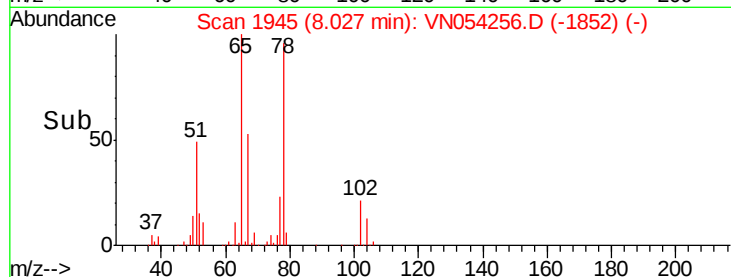
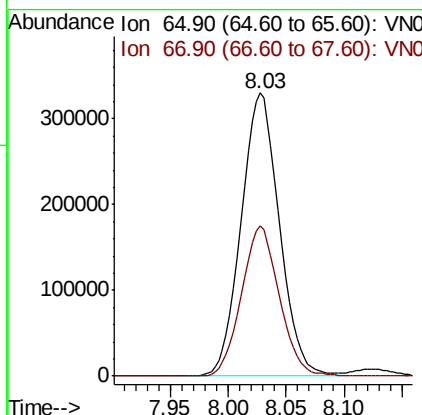
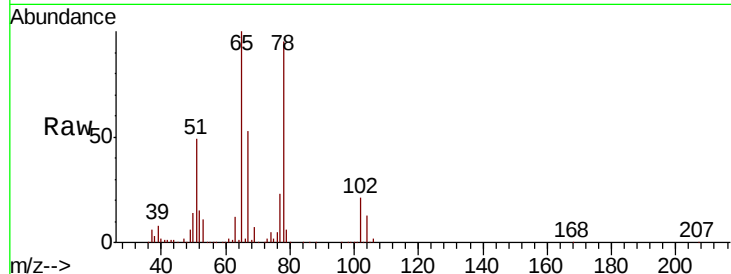
#33
 1,2-Dichloroethane-d4
 Concen: 51.155 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Tgt Ion: 65 Resp: 757790
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6

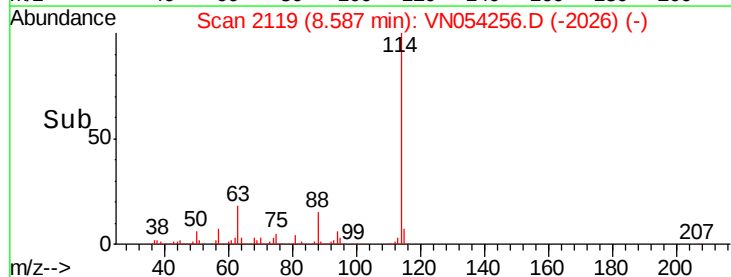
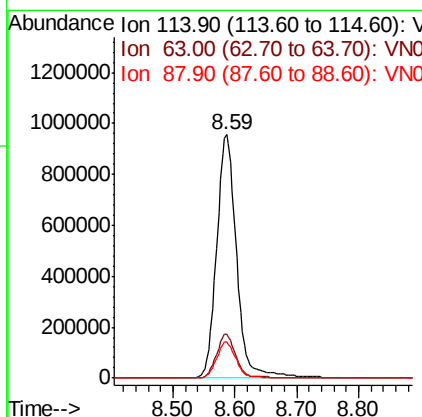
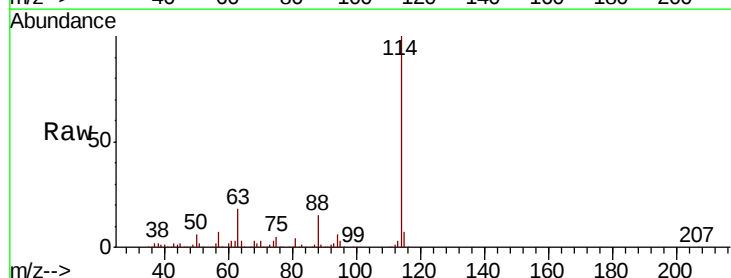
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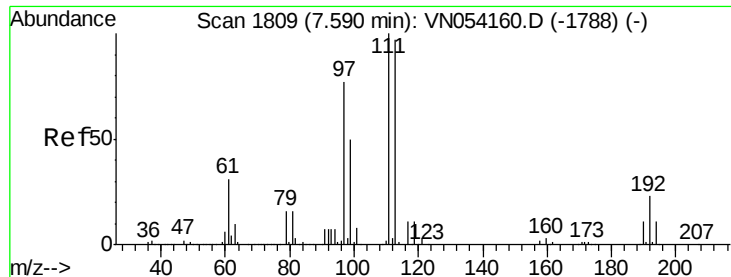
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion: 114 Resp: 2144411
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.7 0.0 30.2





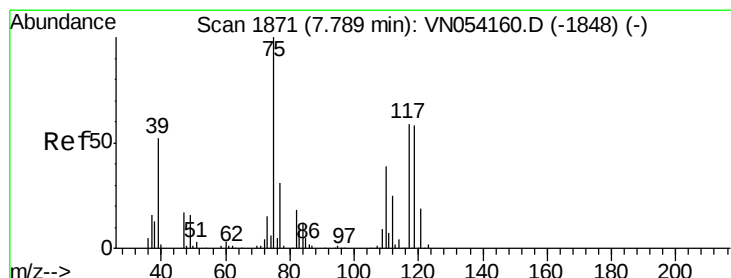
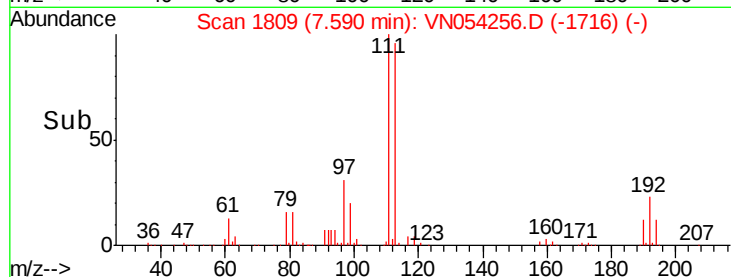
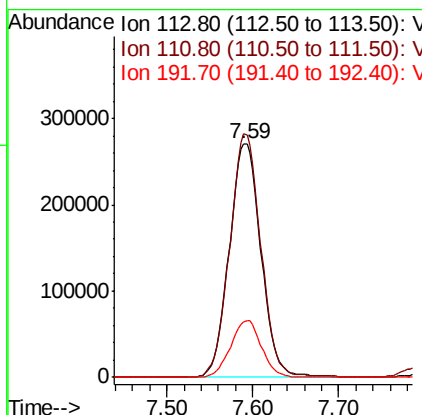
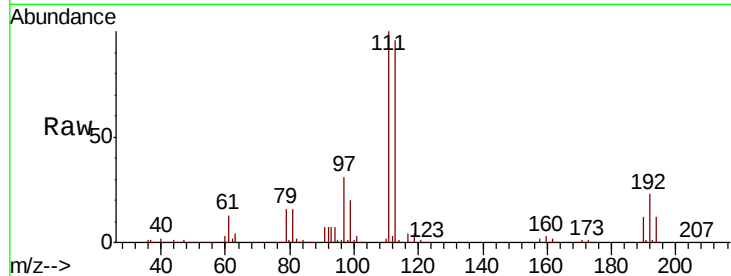
#35
Dibromofluoromethane
Concen: 50.210 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	694427		
111	102.0	82.2	123.4	
192	23.6	19.2	28.8	

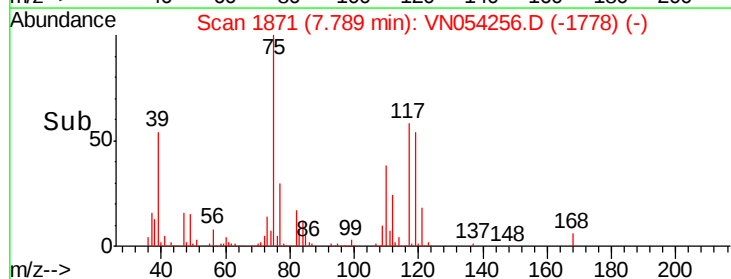
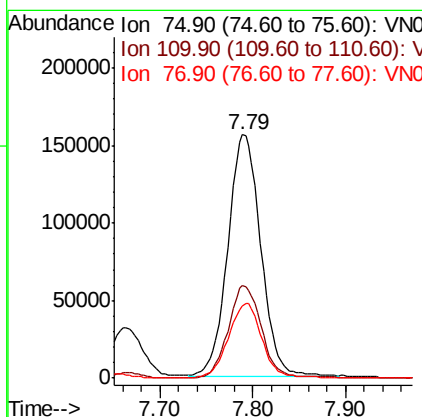
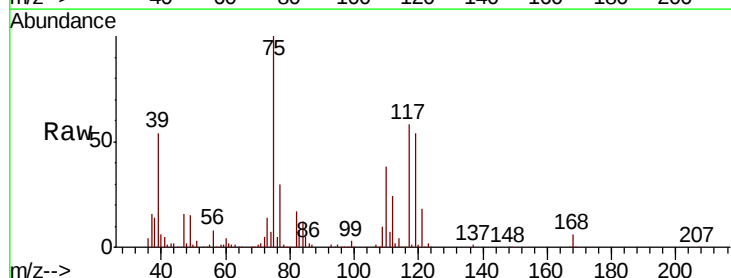
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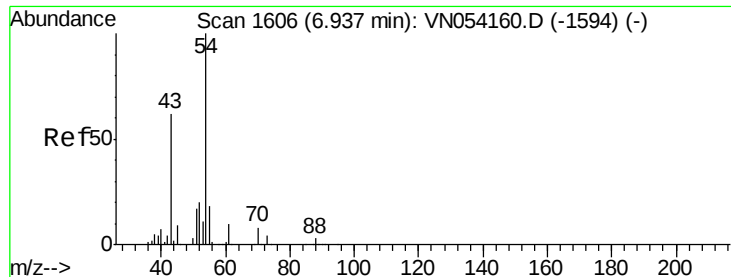
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.474 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	384582		
110	38.0	19.1	57.5	
77	30.9	25.0	37.4	





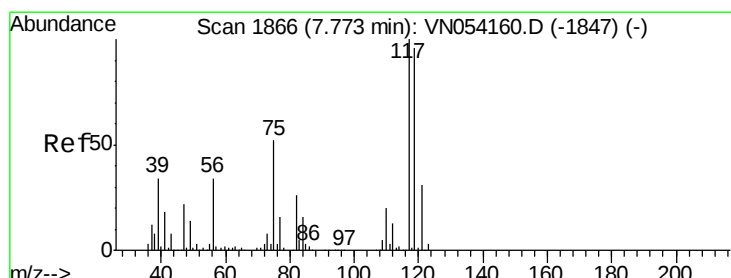
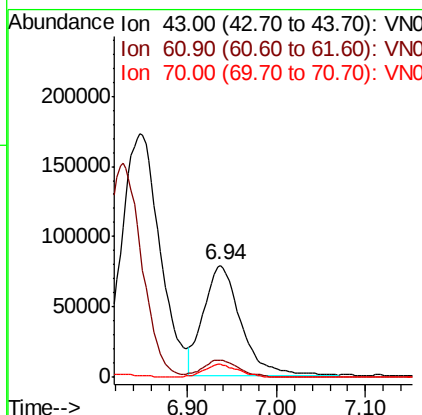
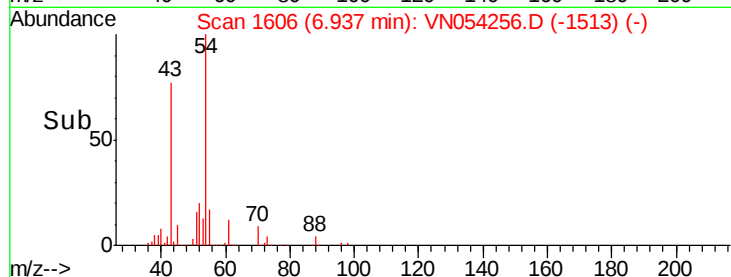
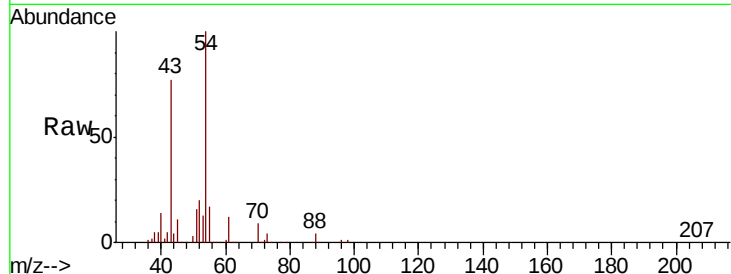
#37
 Ethyl Acetate
 Concen: 20.136 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	10.2	8.4	12.6

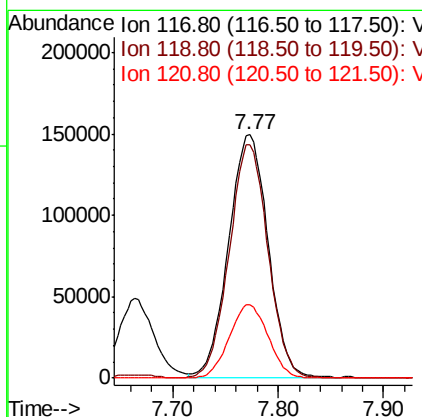
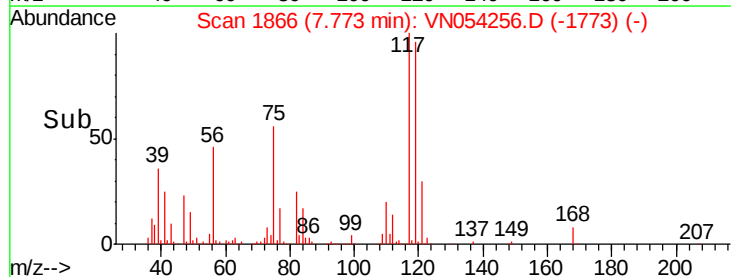
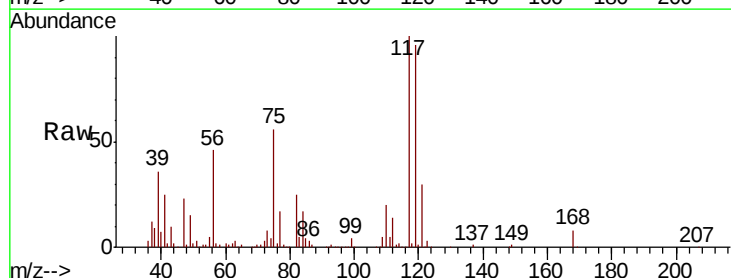
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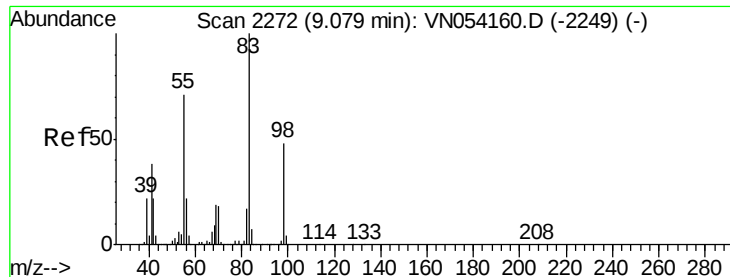
MMDadoda
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#38
 Carbon Tetrachloride
 Concen: 18.690 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.3	114.5
121	30.3	24.6	36.8





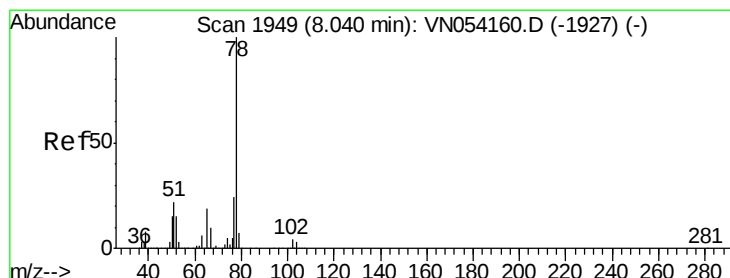
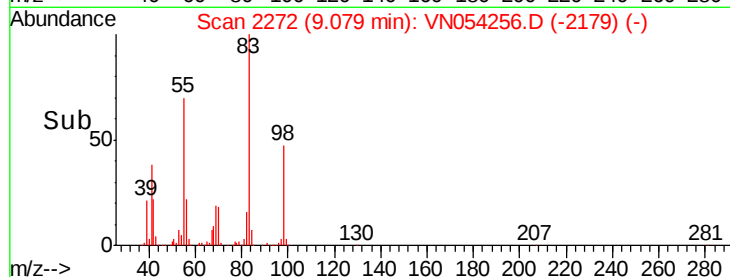
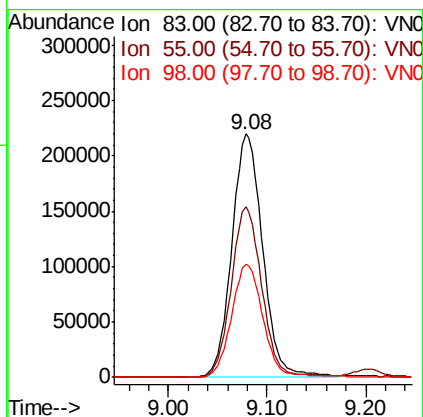
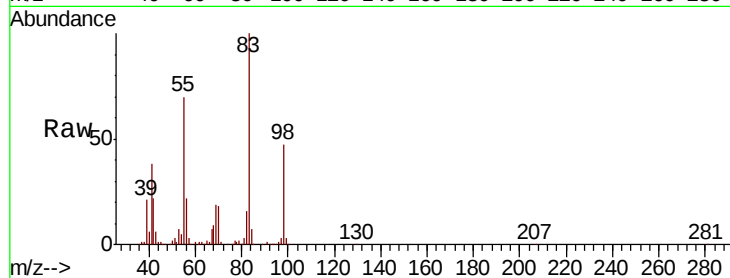
#39
Methylcyclohexane
Concen: 19.747 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.0	56.6	84.8
98	46.7	38.4	57.6

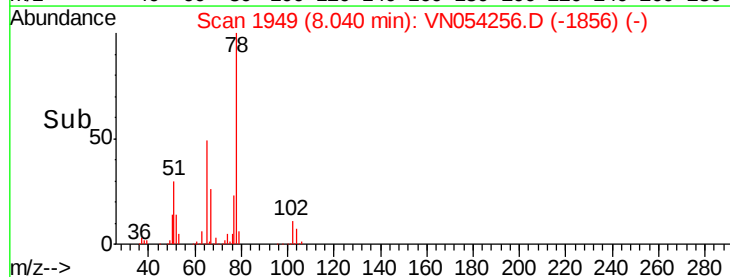
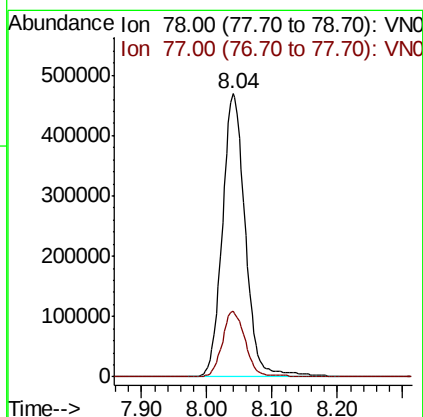
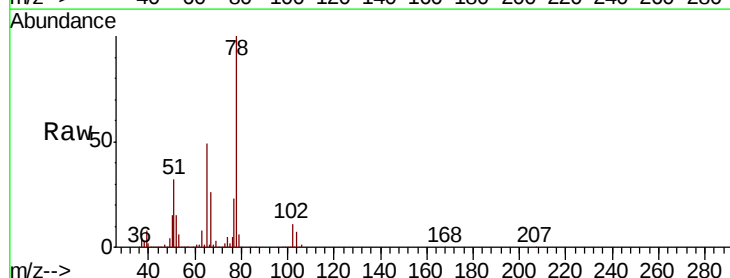
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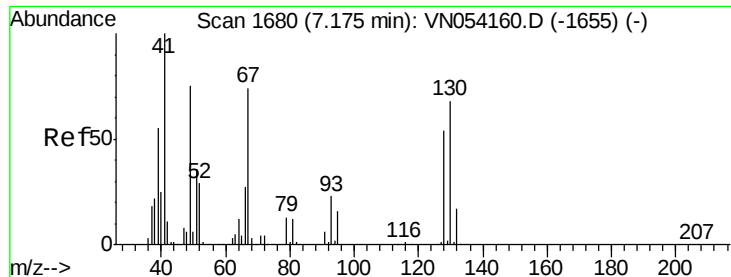
MMDadoda
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#40
Benzene
Concen: 20.253 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





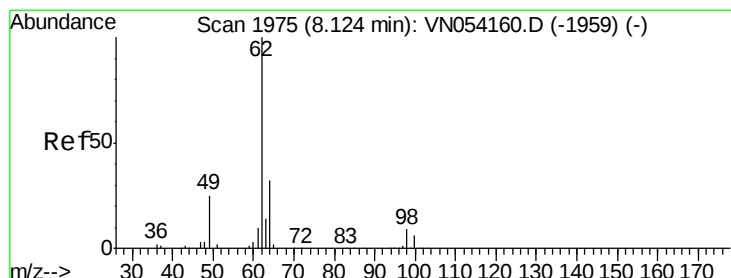
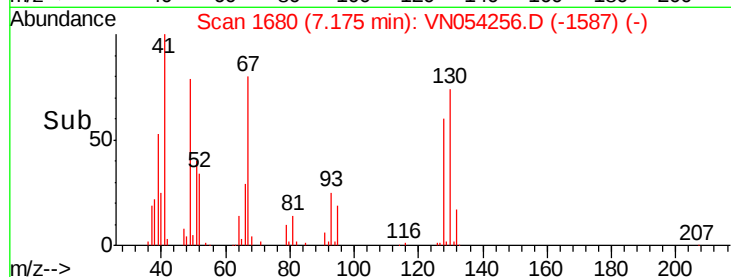
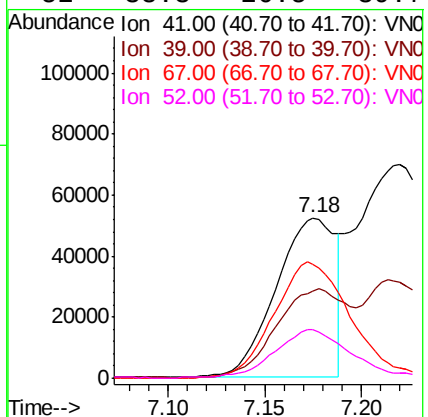
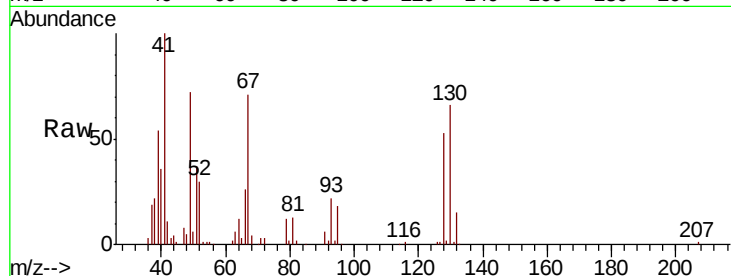
#41
Methacrylonitrile
Concen: 17.287 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.4	46.8	70.2
67	94.0	67.0	100.4
52	38.3	26.5	39.7

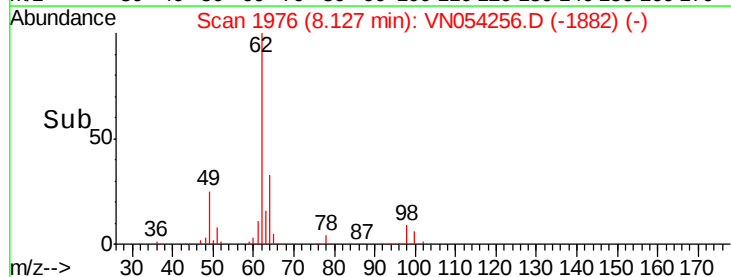
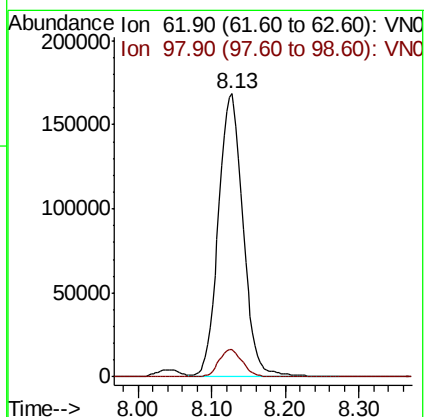
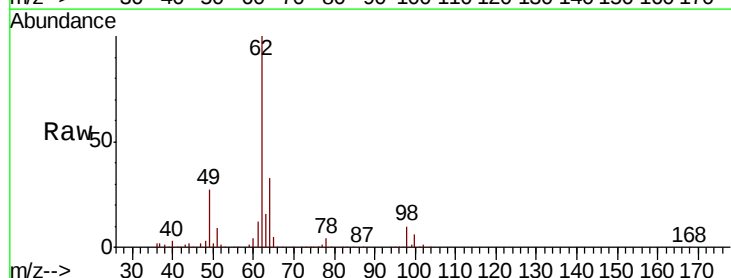
Manual Integrations
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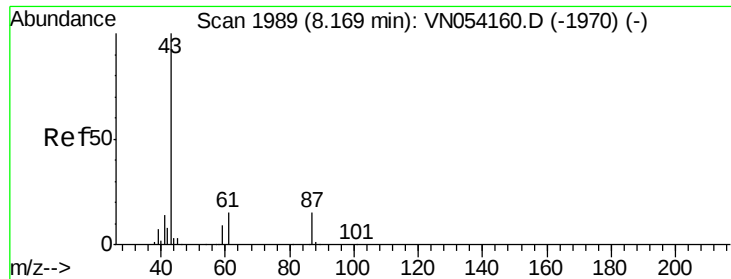
MMDadoda
3/15/2019 9:42:14 AM



#42
1,2-Dichloroethane
Concen: 20.519 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 18.533 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

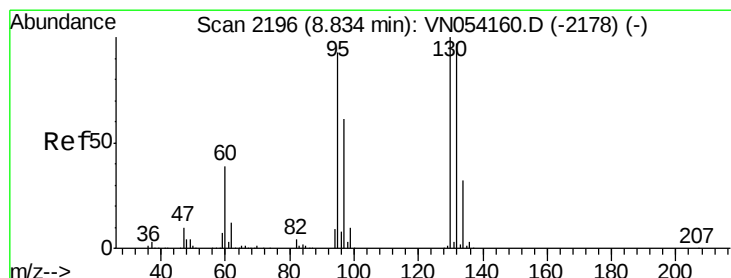
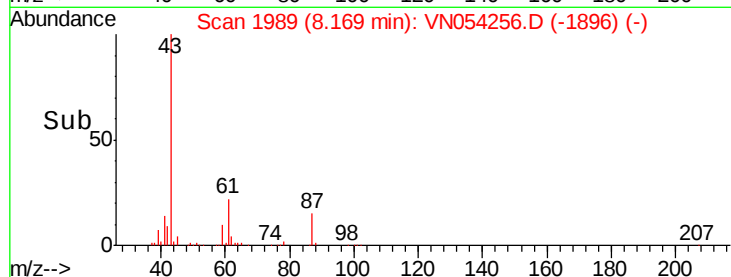
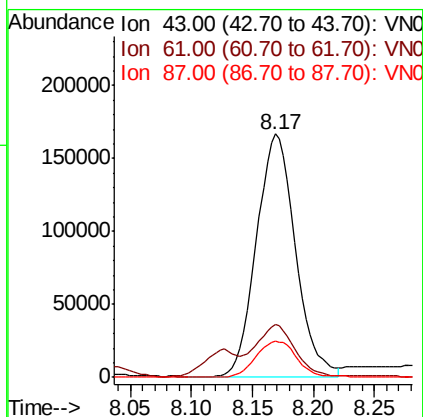
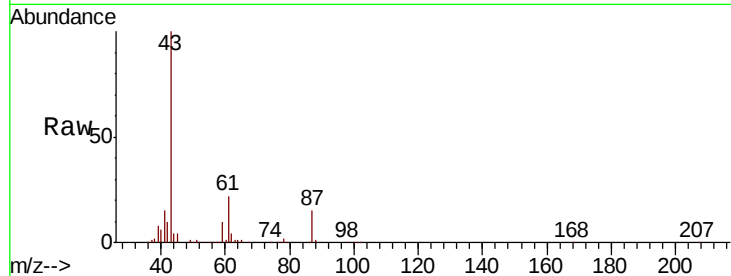
ClientSampleId :

VN0314WBS01

Tgt Ion:	43	Resp:	369125
Ion Ratio		Lower	Upper
43	100		
61	20.3	15.8	23.8
87	15.8	12.0	18.0

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#44

Trichloroethene

Concen: 20.247 ug/l

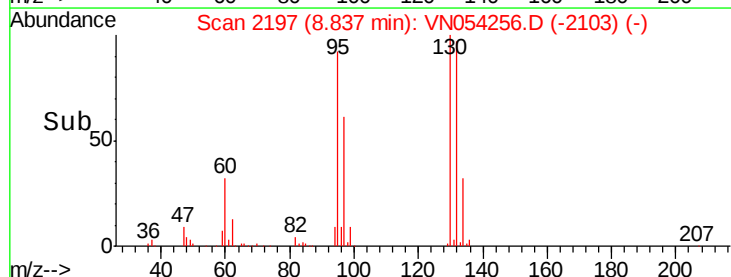
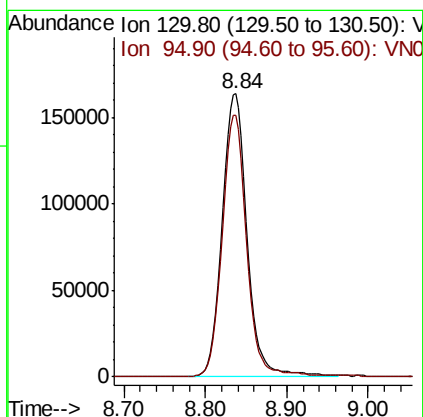
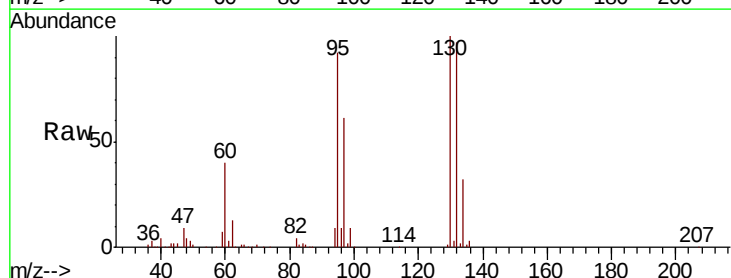
RT: 8.84 min Scan# 2197

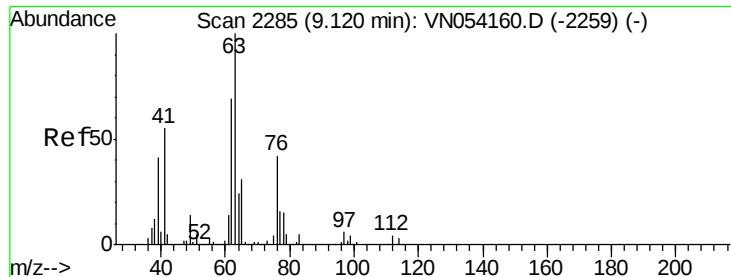
Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion:	130	Resp:	355439
Ion Ratio		Lower	Upper
130	100		
95	92.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 20.545 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion: 63 Resp: 288295

Ion Ratio Lower Upper

63 100

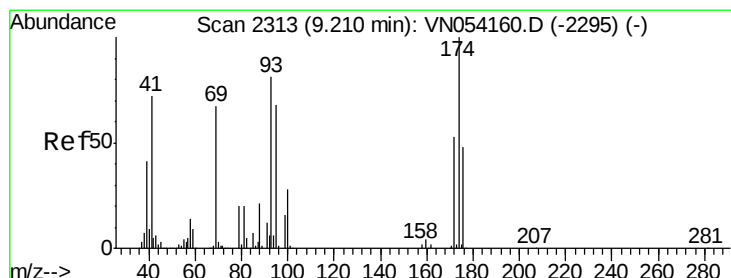
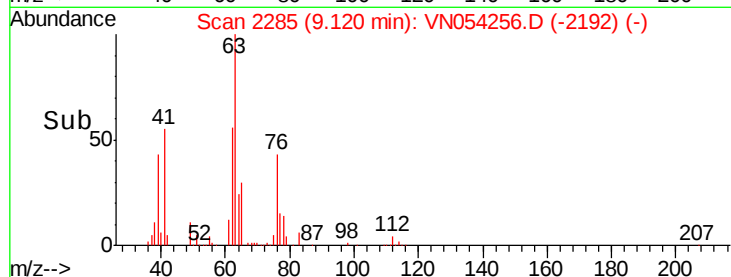
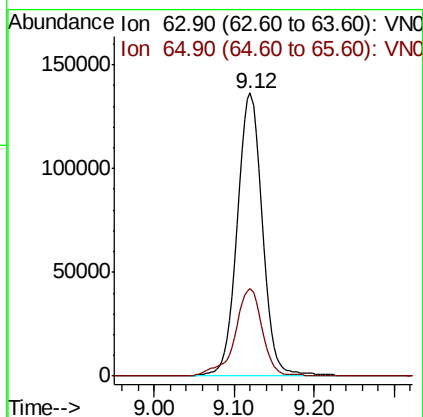
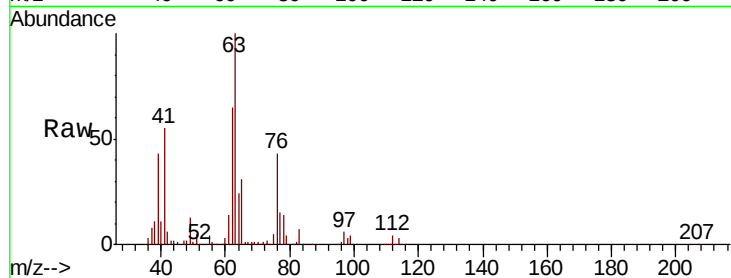
65 30.8 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 20.030 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

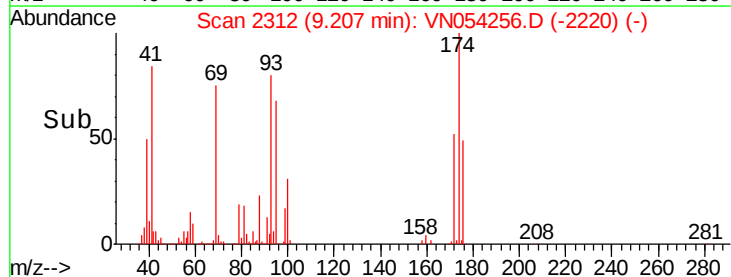
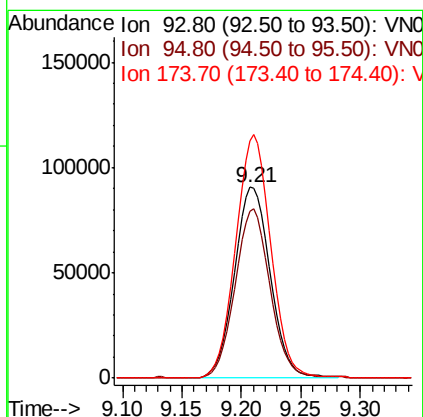
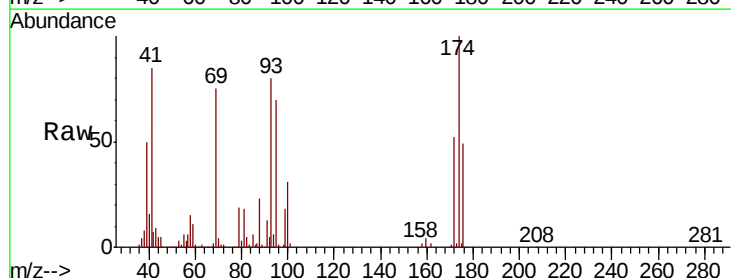
Tgt Ion: 93 Resp: 189903

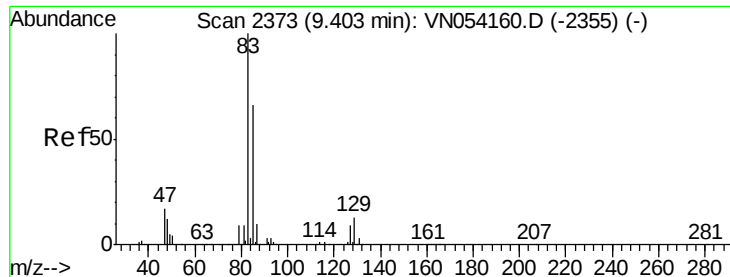
Ion Ratio Lower Upper

93 100

95 86.8 66.7 100.1

174 125.0 98.5 147.7





#47

Bromodichloromethane

Concen: 19.753 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

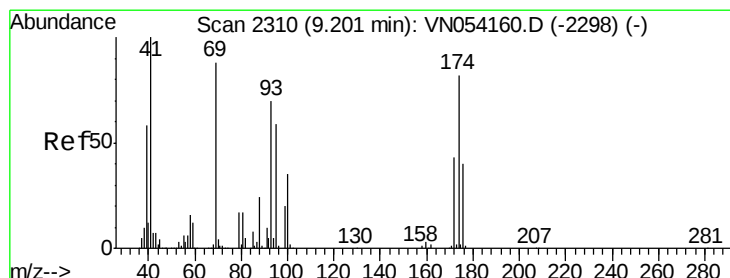
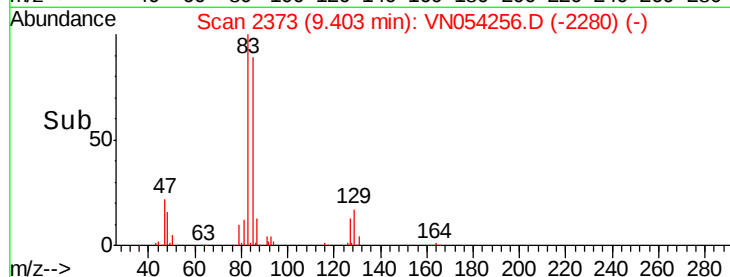
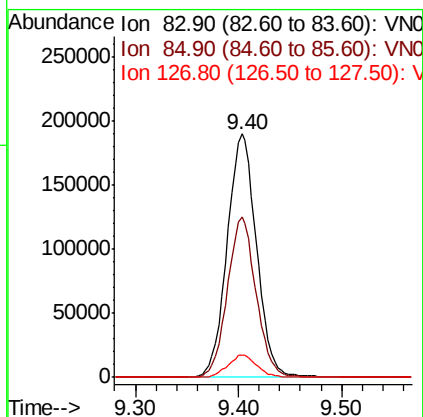
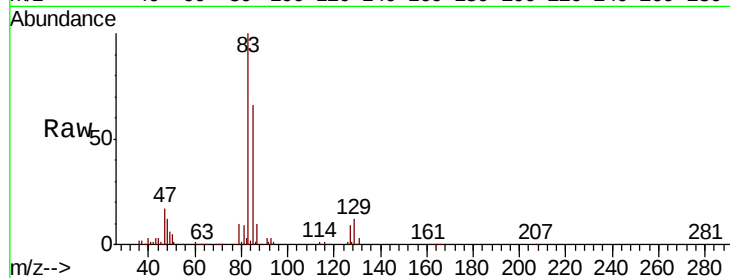
ClientSampleId :

VN0314WBS01

Tgt Ion:	83	Resp:	375447
Ion Ratio	Lower	Upper	
83	100		
85	65.8	52.8	79.2
127	9.3	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.871 ug/l

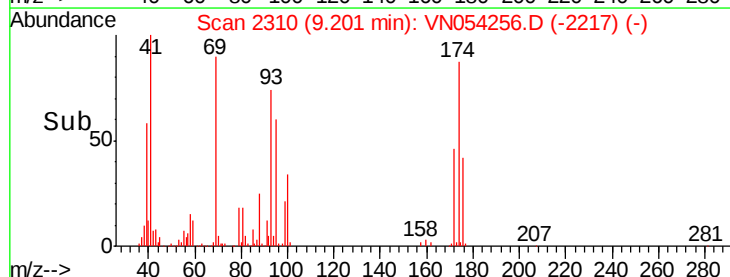
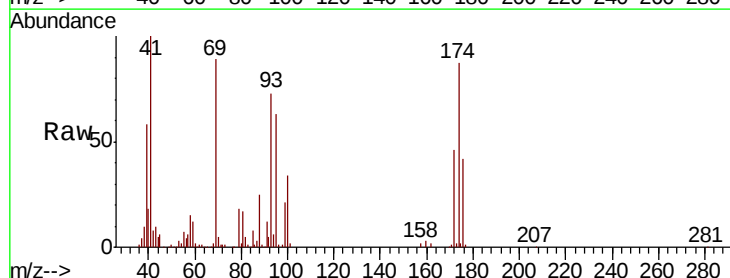
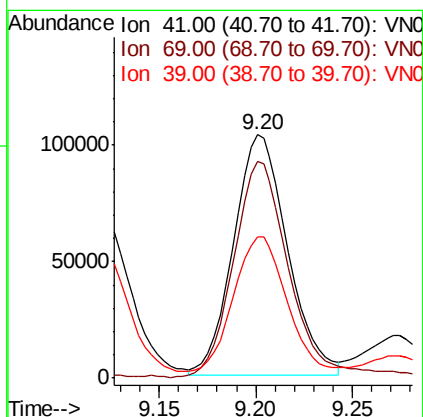
RT: 9.20 min Scan# 2310

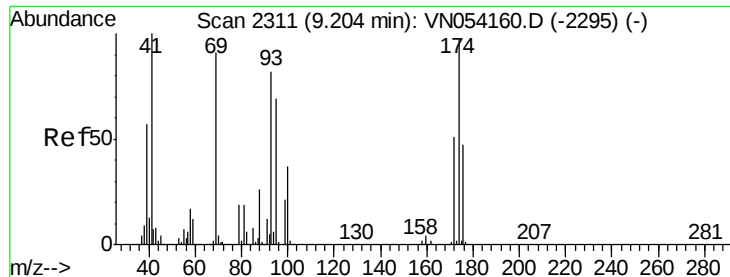
Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion:	41	Resp:	200854
Ion Ratio	Lower	Upper	
41	100		
69	94.0	72.6	108.8
39	59.2	47.5	71.3





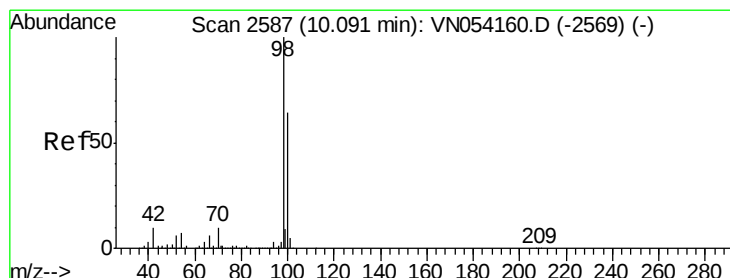
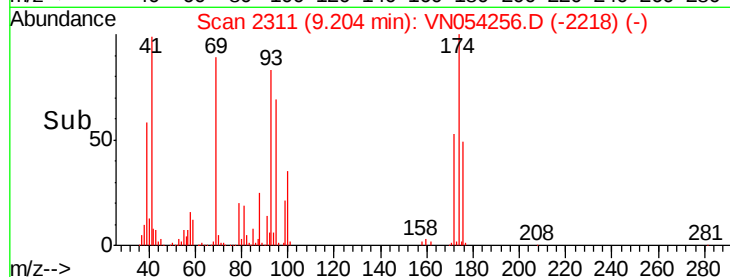
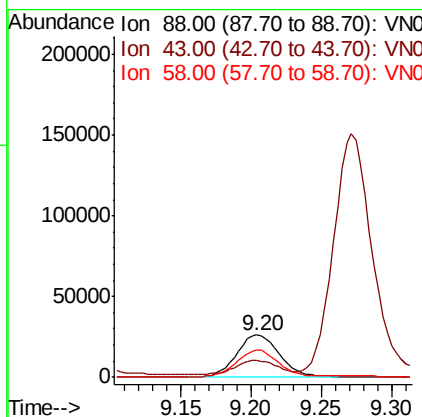
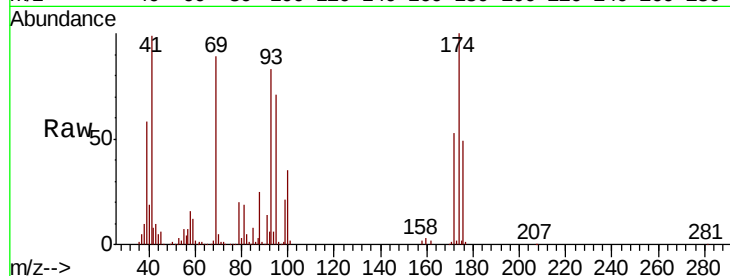
#49
1,4-Dioxane
Concen: 393.679 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.2	24.1	36.1
58	64.5	50.8	76.2

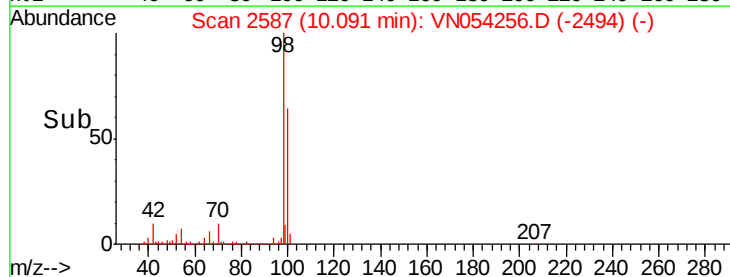
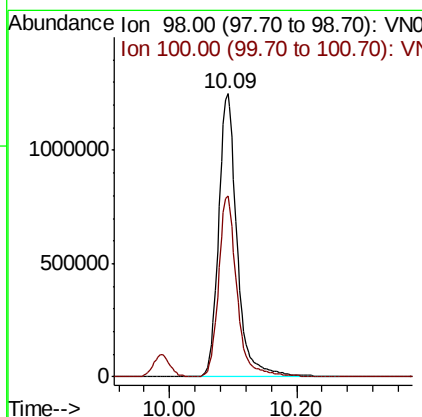
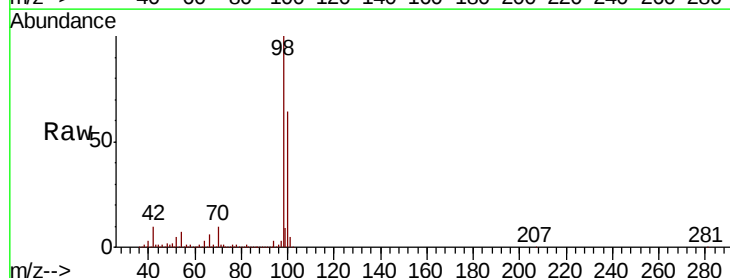
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#50
Toluene-d8
Concen: 49.390 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.2	76.8





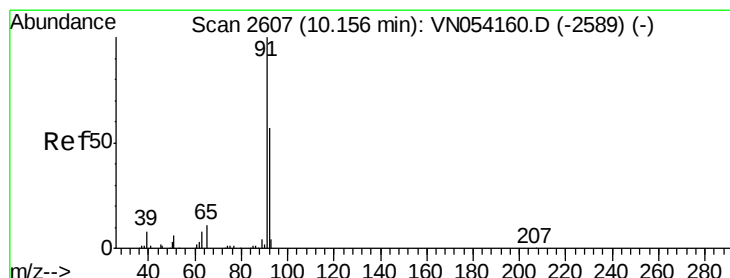
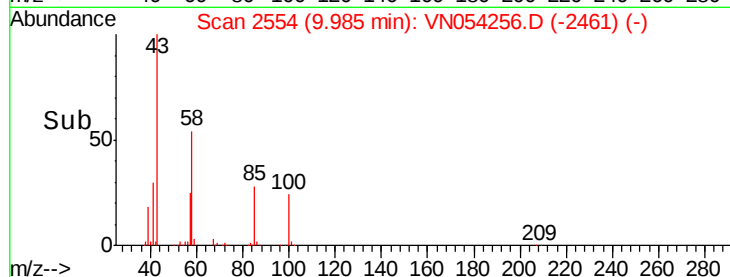
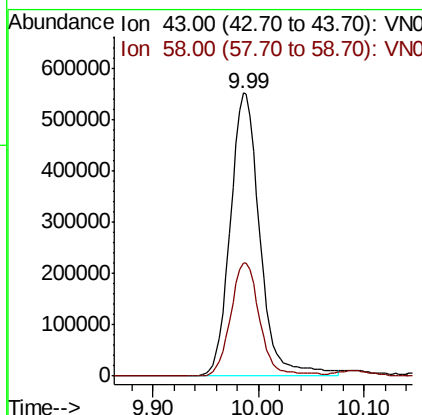
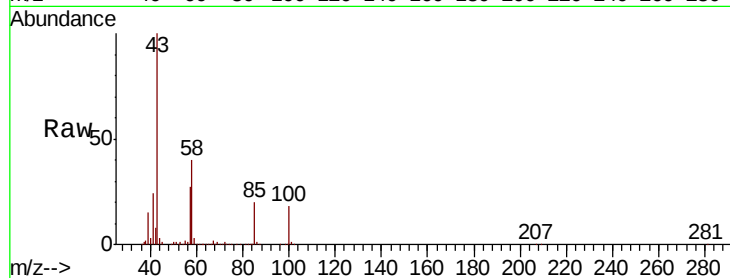
#51
4-Methyl-2-Pentanone
Concen: 101.047 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion: 43 Resp: 1065073
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.6

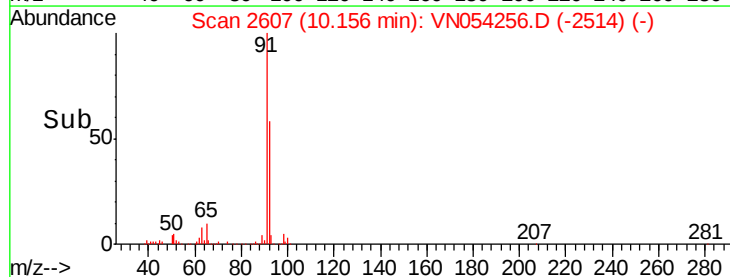
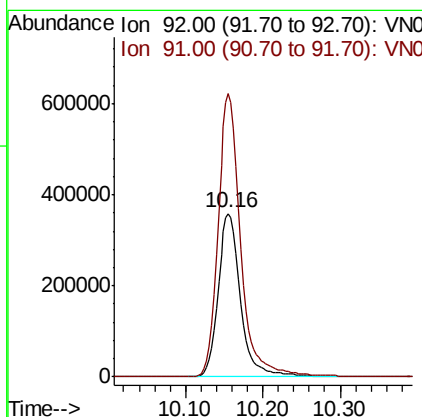
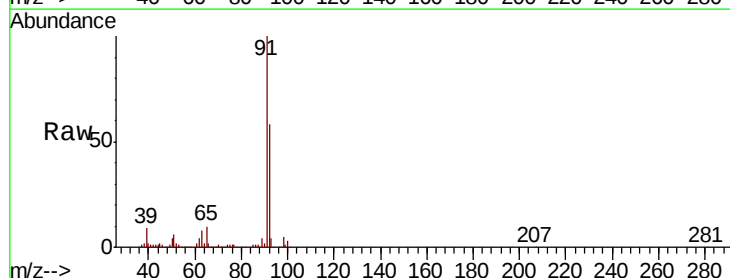
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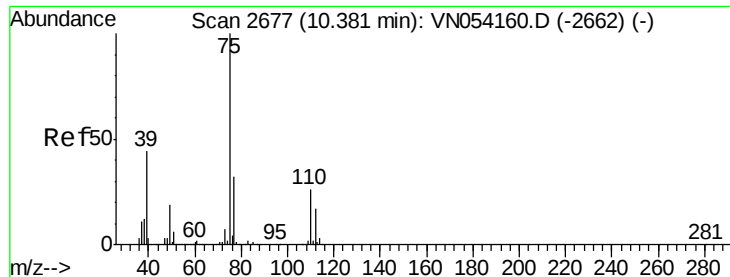
MMDadoda
3/15/2019 9:42:14 AM



#52
Toluene
Concen: 20.300 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 92 Resp: 727402
Ion Ratio Lower Upper
92 100
91 174.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 17.324 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion: 75 Resp: 347225

Ion Ratio Lower Upper

75 100

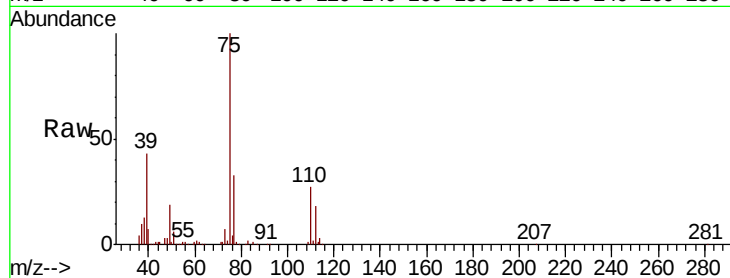
77 32.6 25.8 38.8

Manual Integrations

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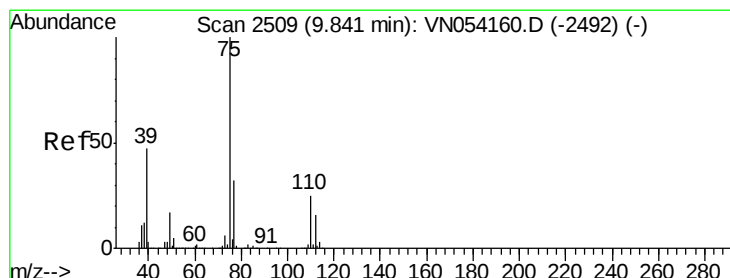
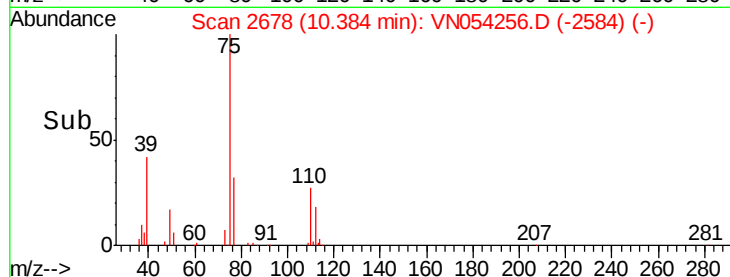
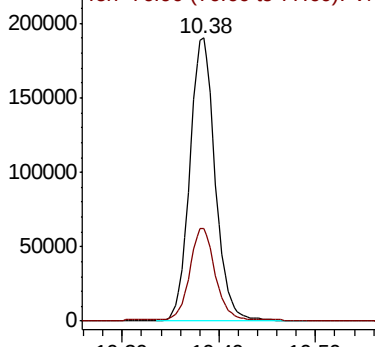
MMDadoda

3/15/2019 9:42:14 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.913 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

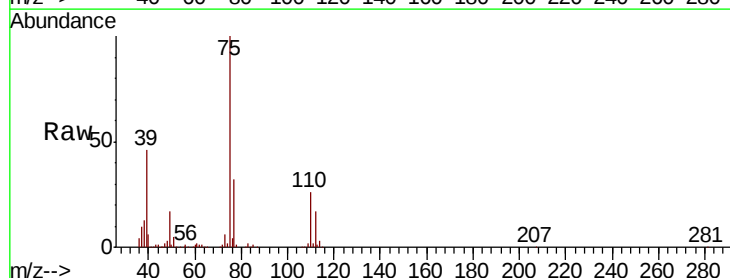
Tgt Ion: 75 Resp: 418898

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

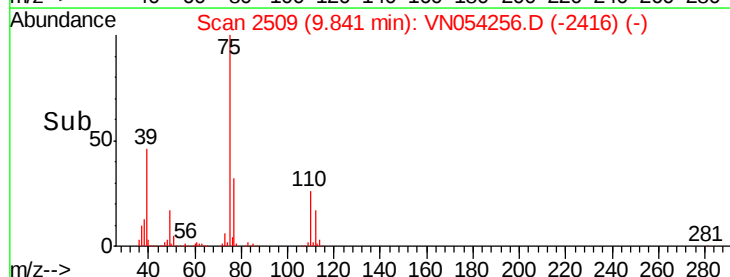
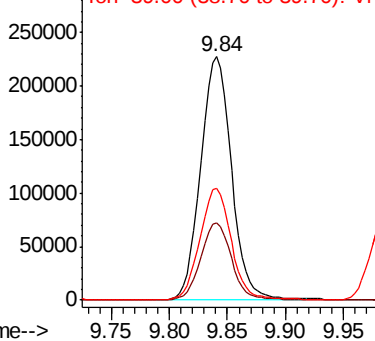
39 45.9 37.2 55.8

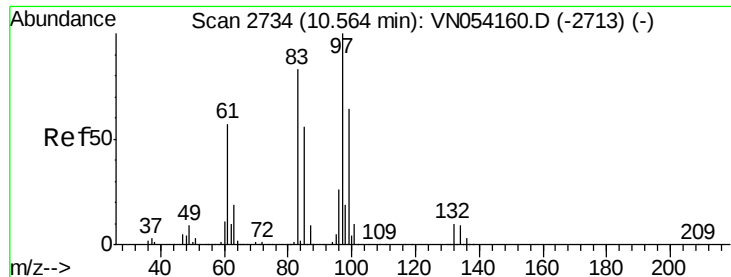


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.350 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

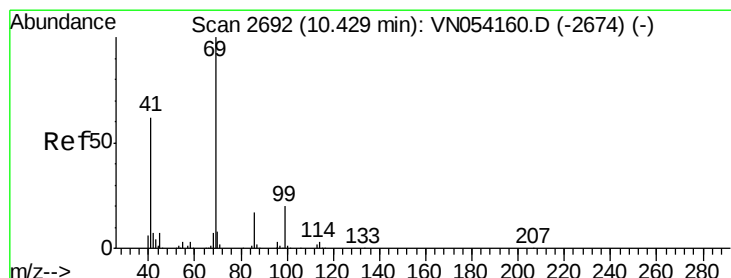
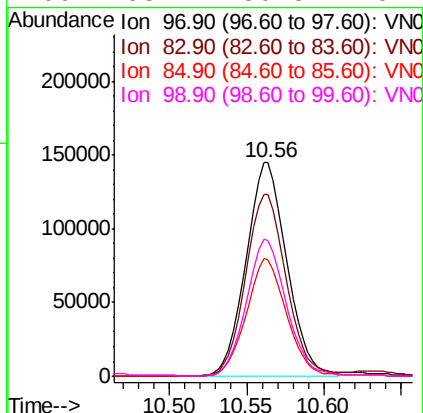
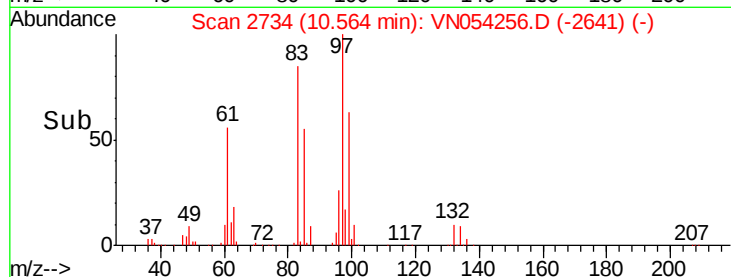
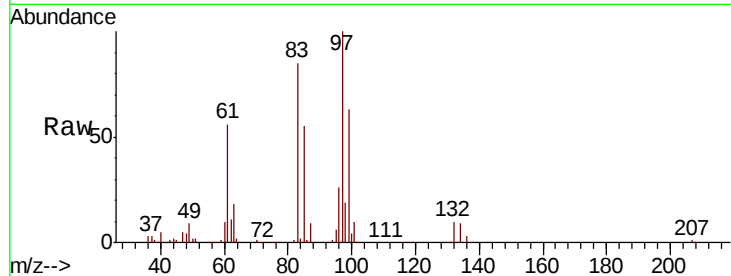
ClientSampleId :

VN0314WBS01

Tgt Ion:	97	Resp:	266247
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.6	100.0
85	54.8	44.4	66.6
99	63.1	50.8	76.2

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#56

Ethyl methacrylate

Concen: 20.118 ug/l

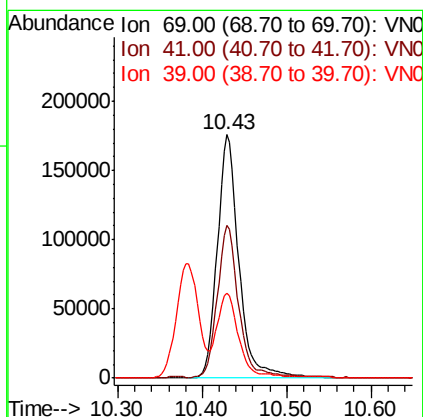
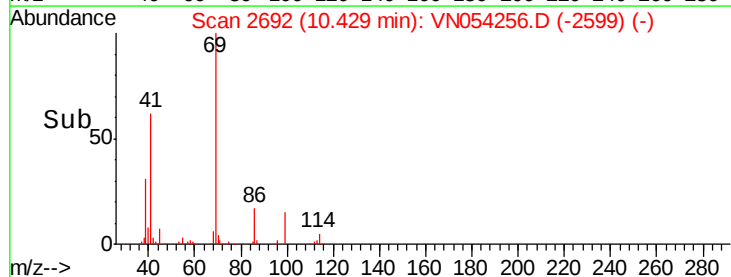
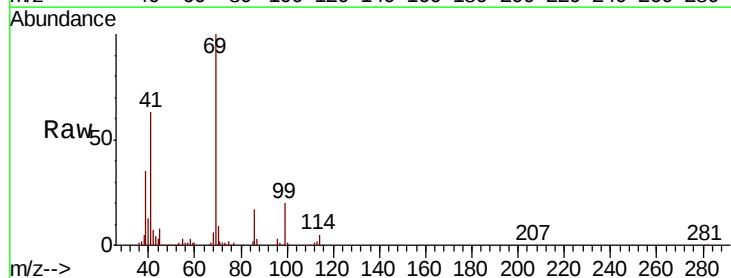
RT: 10.43 min Scan# 2692

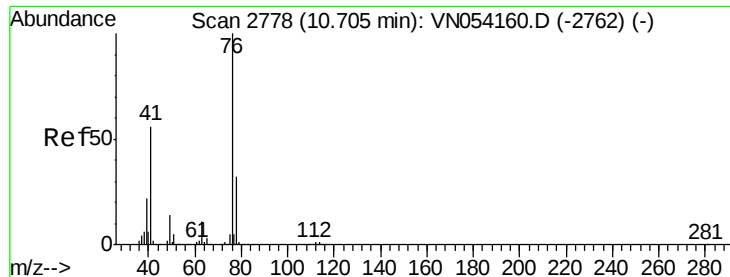
Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion:	69	Resp:	313855
Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.4	74.2
39	35.0	28.3	42.5





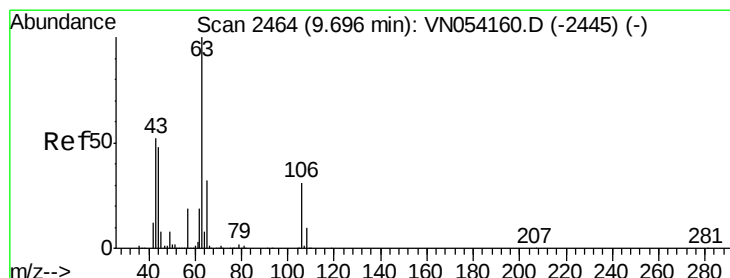
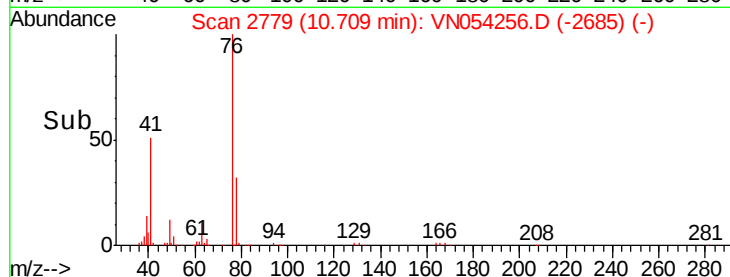
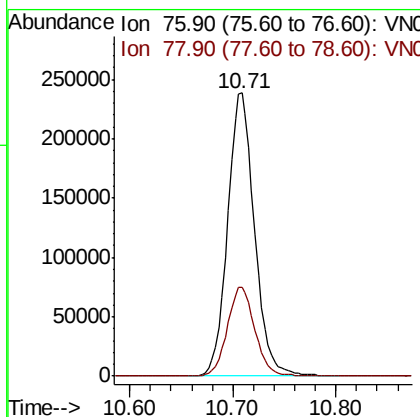
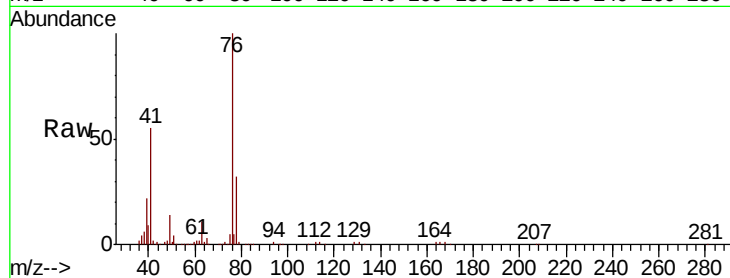
#57
 1,3-Dichloropropane
 Concen: 20.254 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Tgt Ion: 76 Resp: 433311
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

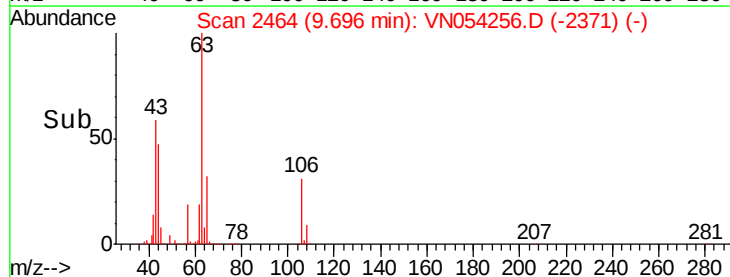
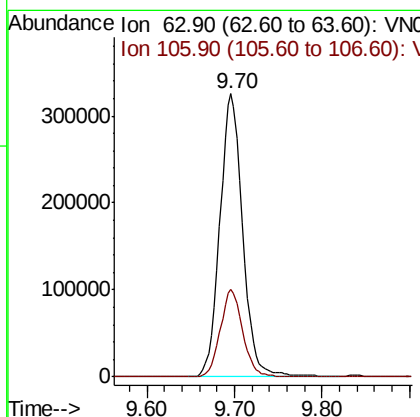
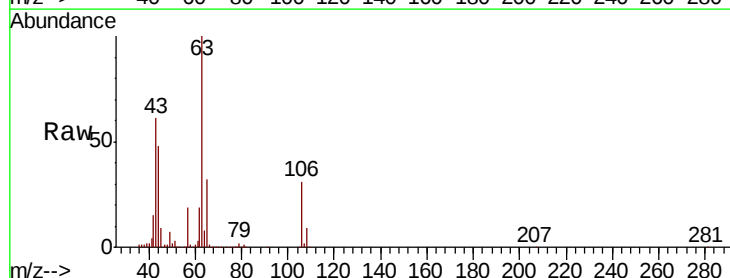
Manual Integrations
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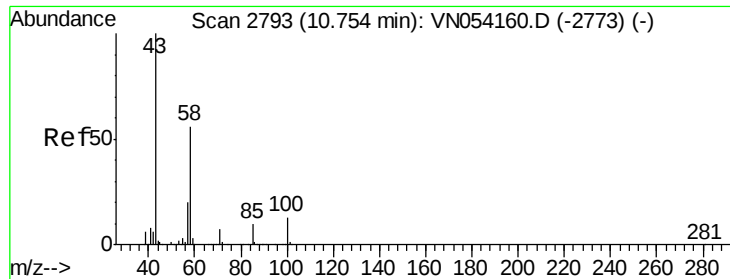
MMDadoda
 3/15/2019 9:42:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.986 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion: 63 Resp: 588933
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6





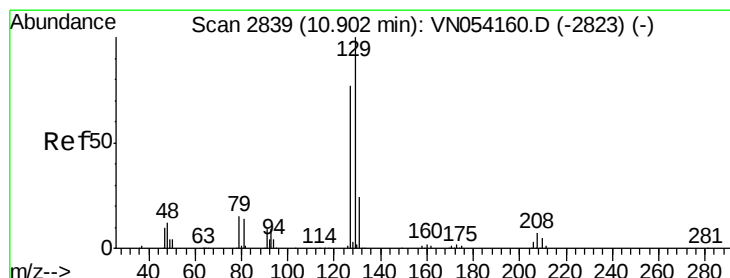
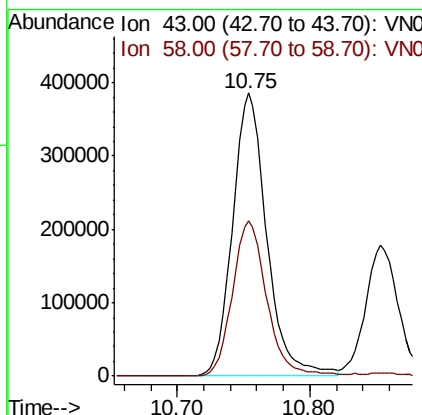
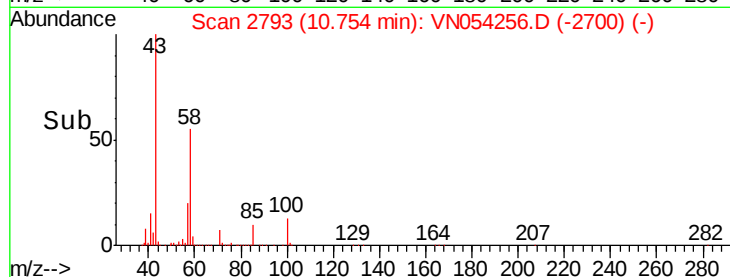
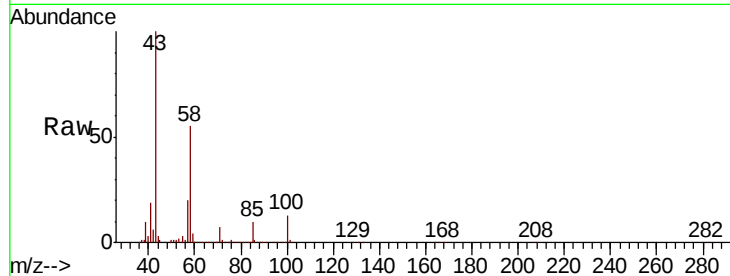
#59
2-Hexanone
Concen: 97.778 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion: 43 Resp: 685770
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9

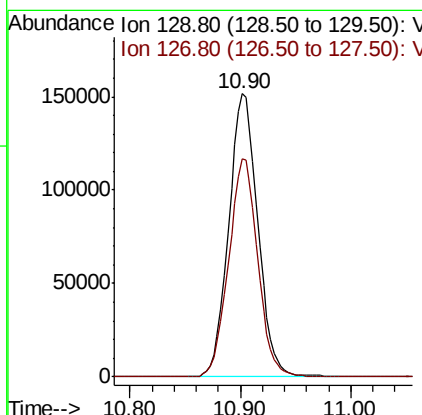
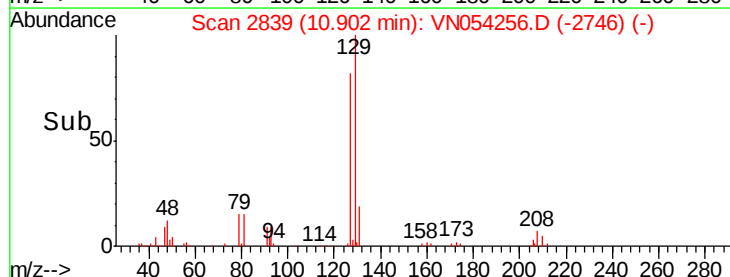
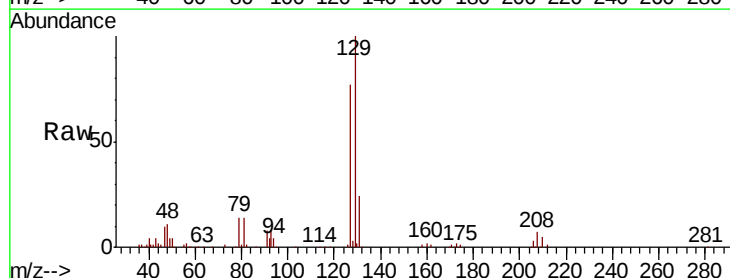
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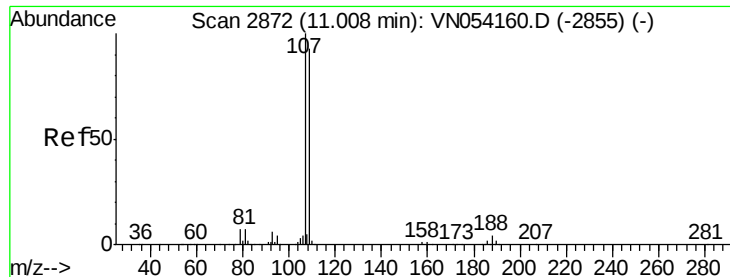
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#60
Dibromochloromethane
Concen: 18.845 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 129 Resp: 277524
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





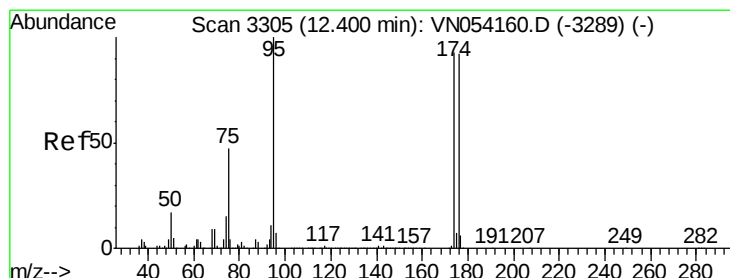
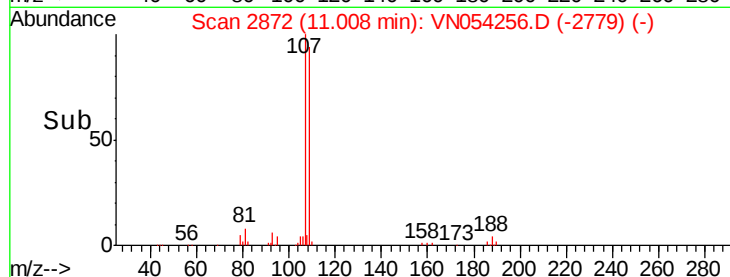
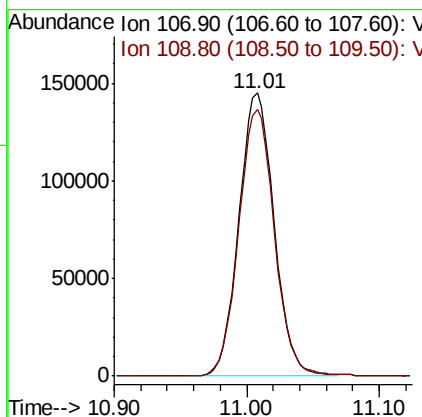
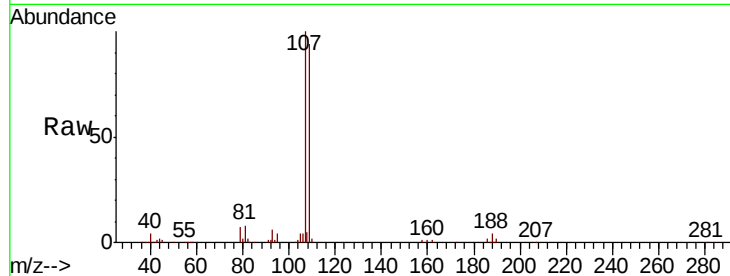
#61
 1,2-Dibromoethane
 Concen: 20.116 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.9	113.9

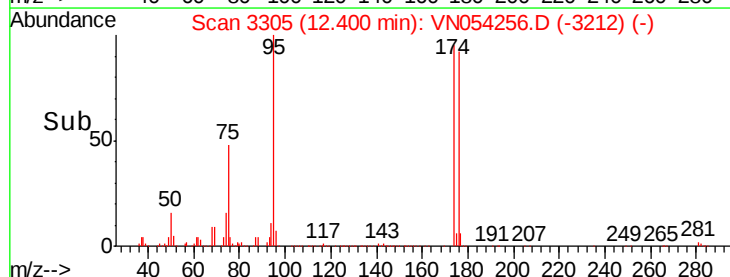
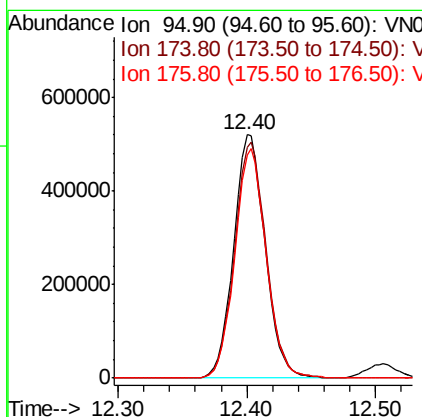
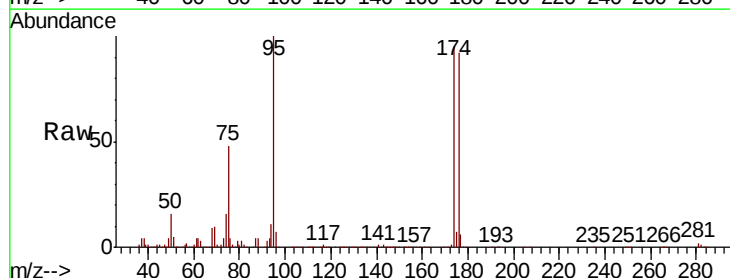
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#62
 4-Bromofluorobenzene
 Concen: 49.277 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	191.0
176	94.1	0.0	187.4





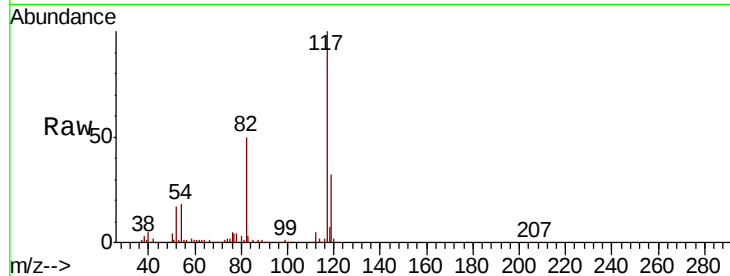
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.9	40.0	60.0
119	32.1	25.8	38.6

Manual Integrations
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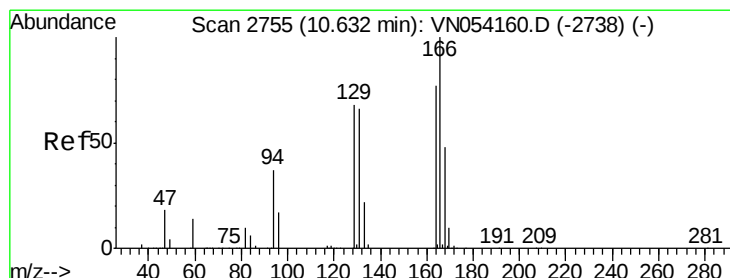
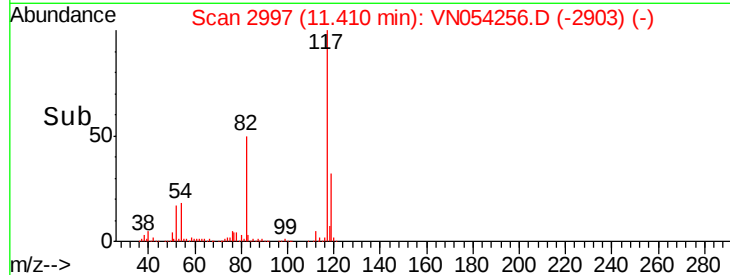
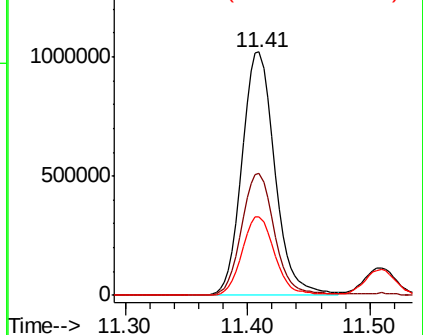


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.471 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.9	155.9
129	87.1	71.1	106.7
131	83.8	68.2	102.4

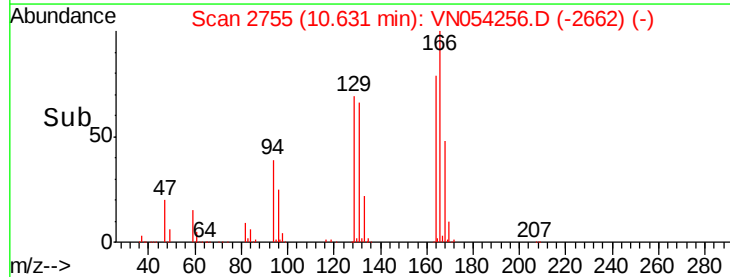
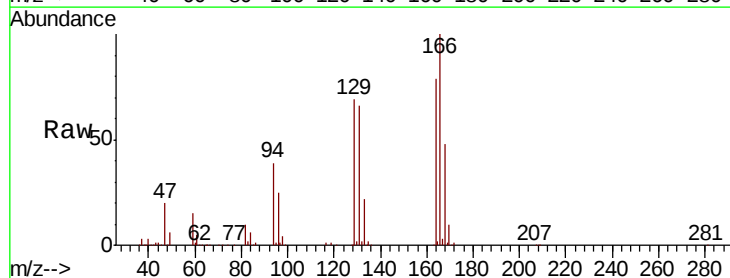
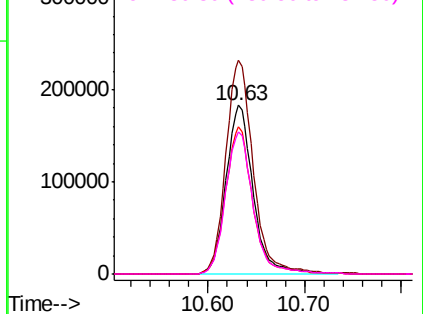
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





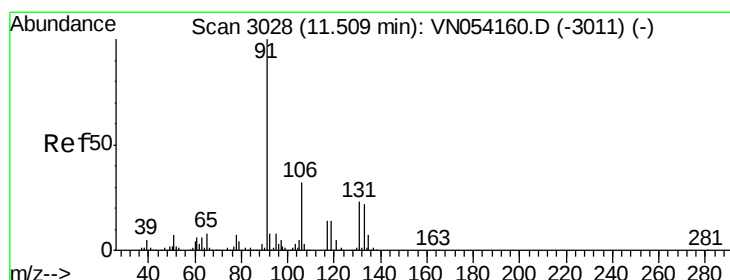
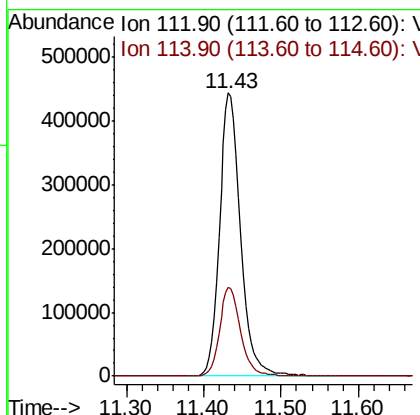
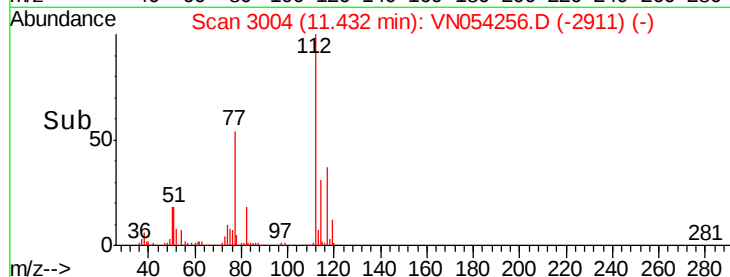
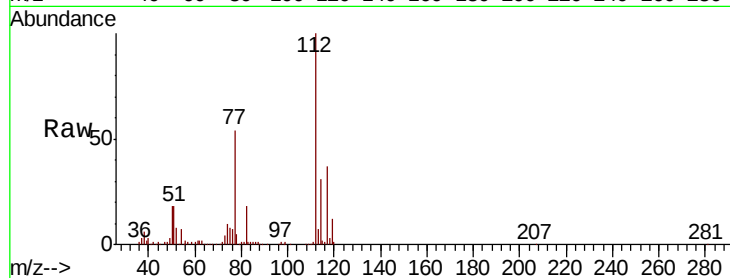
#65
Chlorobenzene
Concen: 20.218 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion:112 Resp: 841887
Ion Ratio Lower Upper
112 100
114 31.4 25.9 38.9

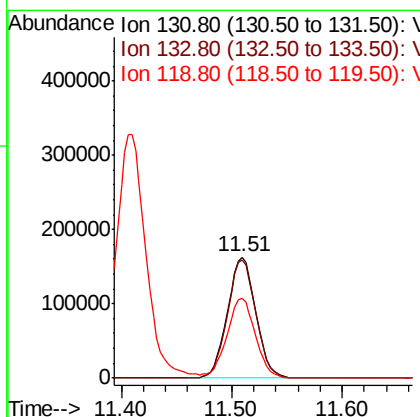
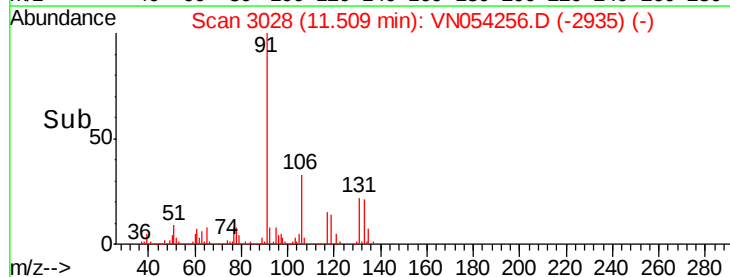
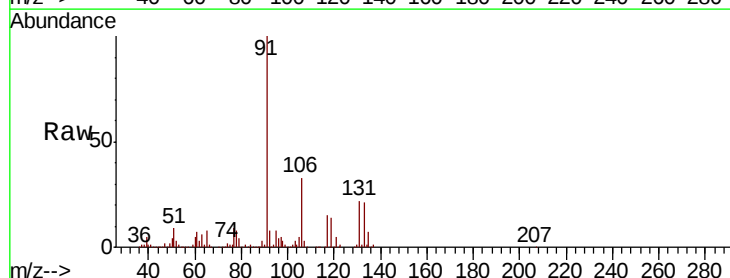
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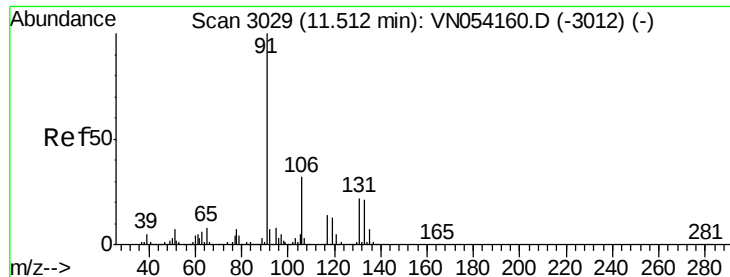
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.154 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion:131 Resp: 289743
Ion Ratio Lower Upper
131 100
133 97.6 47.6 142.9
119 66.9 32.4 97.0





#67

Ethyl Benzene

Concen: 19.694 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion: 91 Resp: 1359416

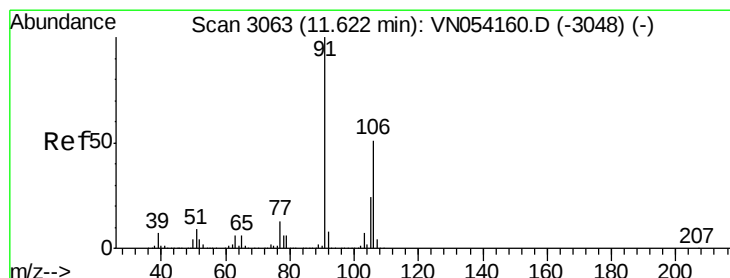
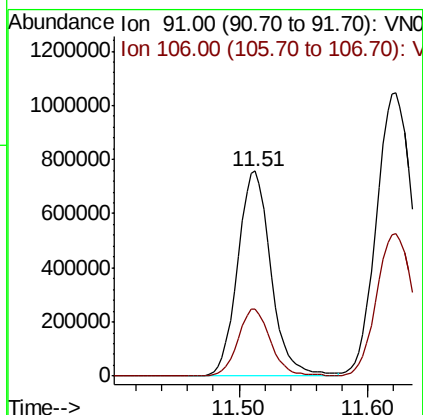
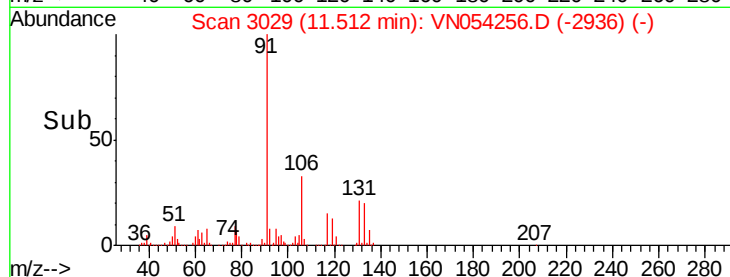
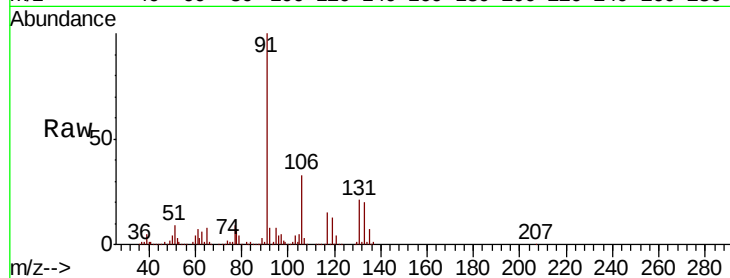
Ion Ratio Lower Upper

91 100

106 32.6 25.5 38.3

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#68

m/p-Xylenes

Concen: 39.692 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054256.D

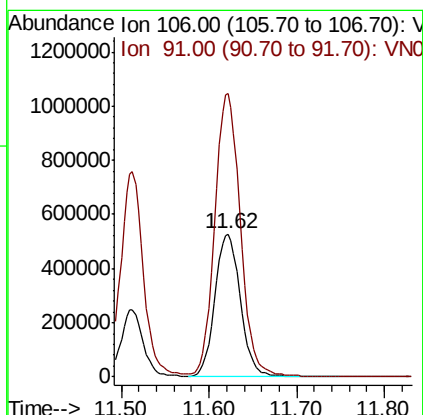
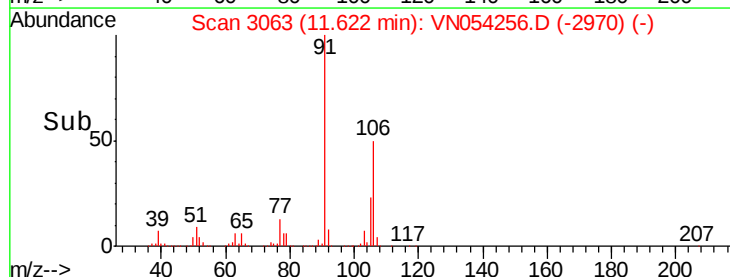
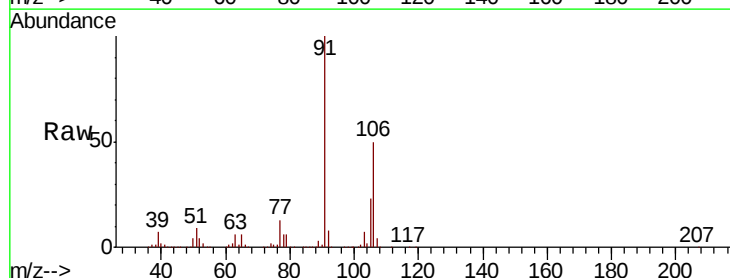
Acq: 14 Mar 2019 12:42

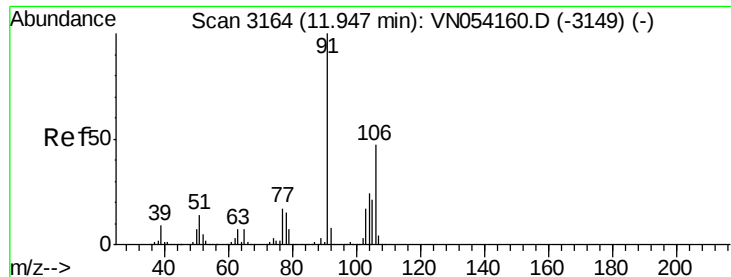
Tgt Ion: 106 Resp: 1070834

Ion Ratio Lower Upper

106 100

91 199.0 159.4 239.2





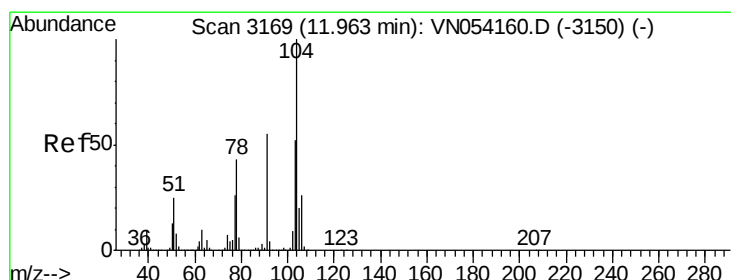
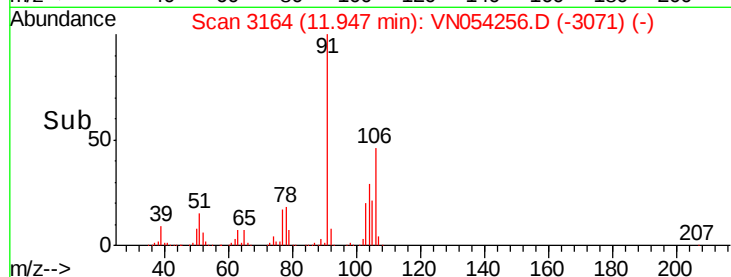
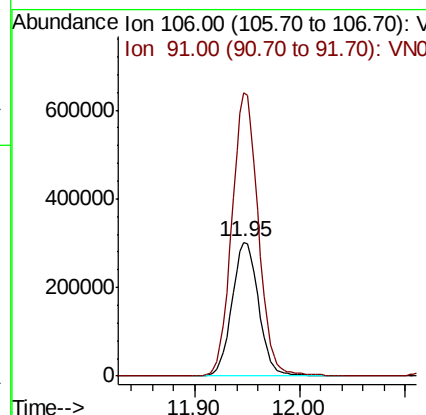
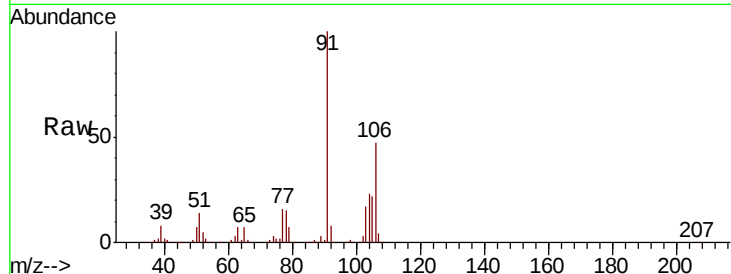
#69
o-Xylene
Concen: 19.988 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion:106 Resp: 525677
Ion Ratio Lower Upper
106 100
91 210.3 105.7 317.1

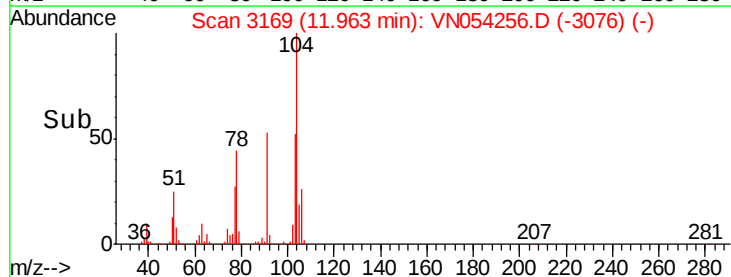
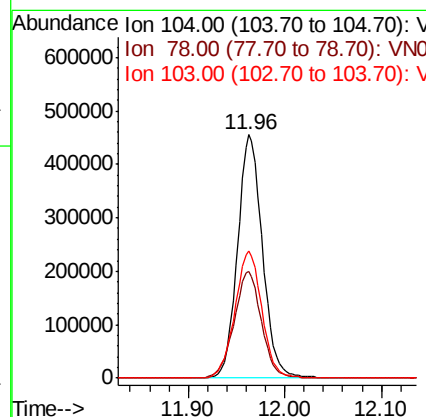
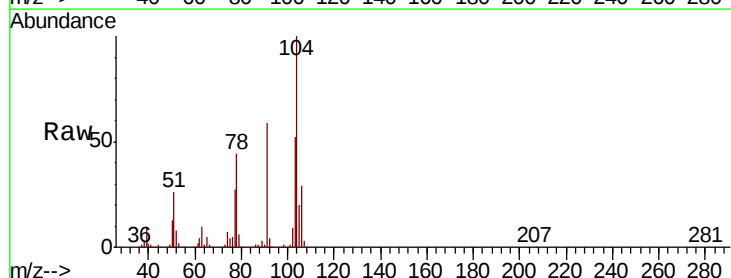
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#70
Styrene
Concen: 19.712 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion:104 Resp: 813058
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 56.5 44.4 66.6





#71

Bromoform

Concen: 16.926 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion:173 Resp: 176367

Ion Ratio Lower Upper

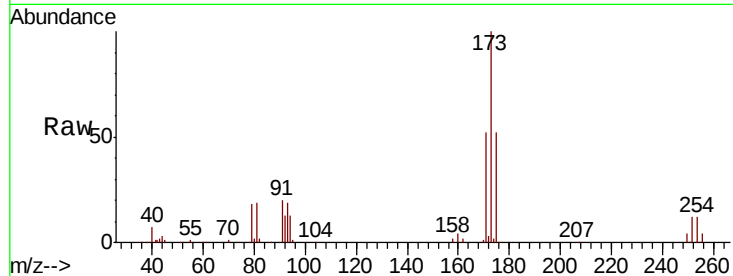
173 100

175 49.6 24.4 73.2

254 0.1 0.1 0.1#

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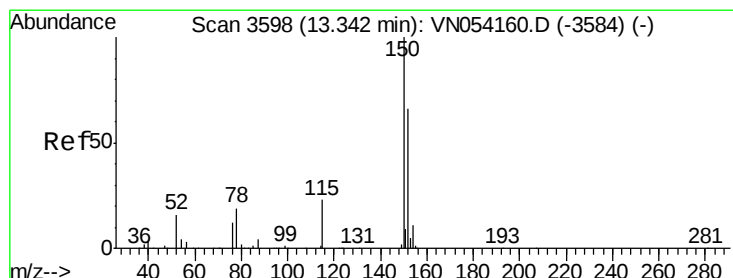
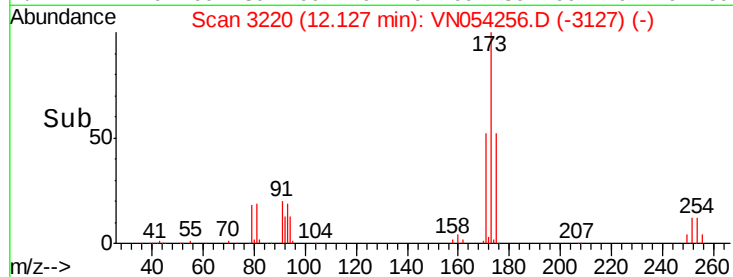
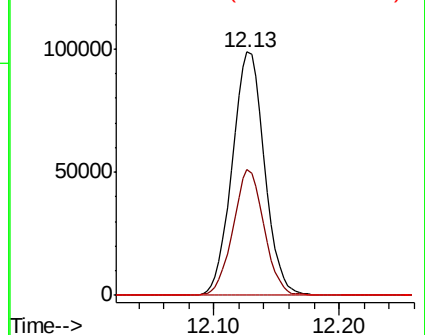
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

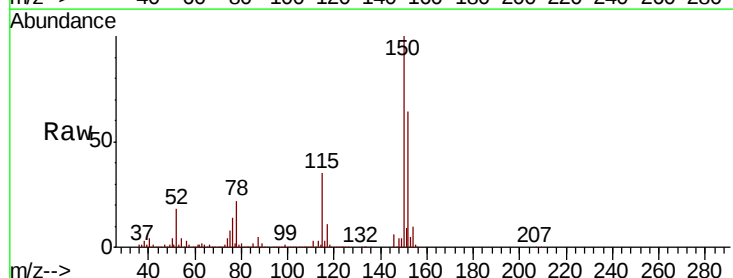
Tgt Ion:152 Resp: 906300

Ion Ratio Lower Upper

152 100

115 54.5 27.2 81.6

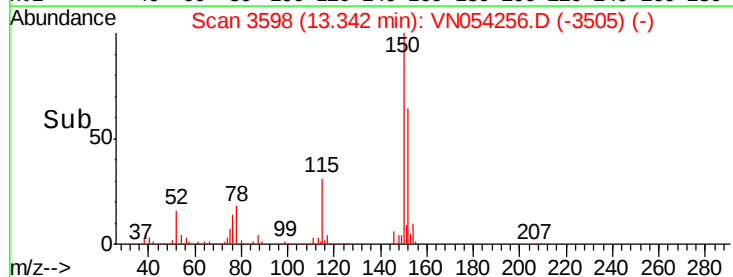
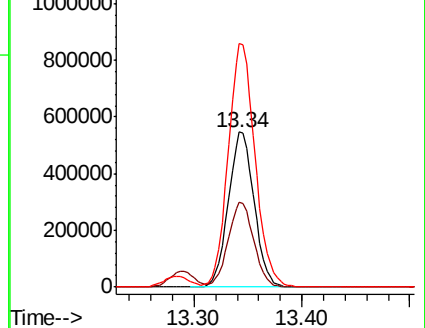
150 163.3 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.387 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion: 105 Resp: 1405774

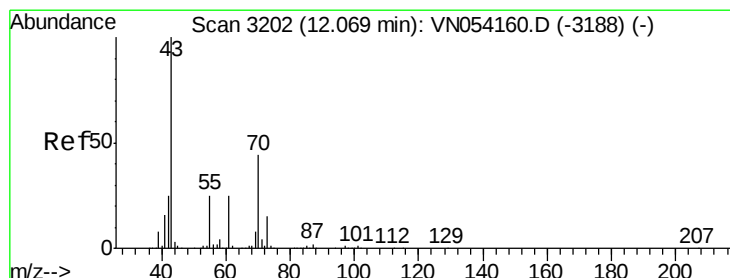
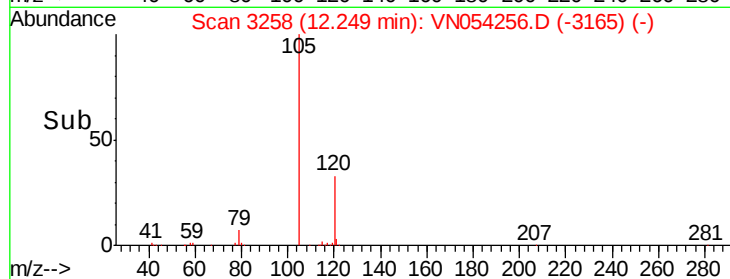
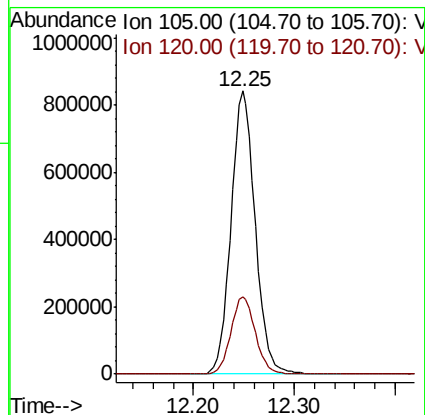
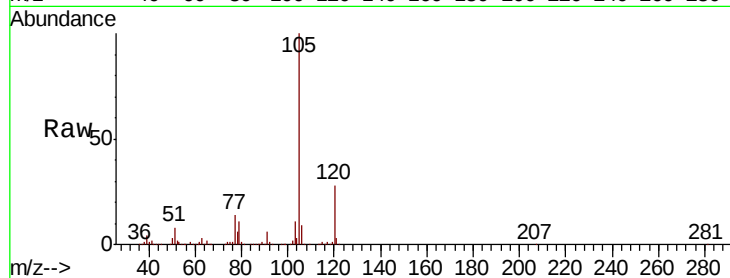
Ion Ratio Lower Upper

105 100

120 27.7 13.8 41.3

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#74

N-ethyl acetate

Concen: 18.670 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion: 43 Resp: 300491

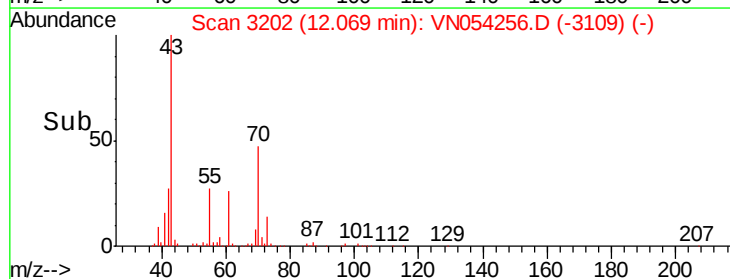
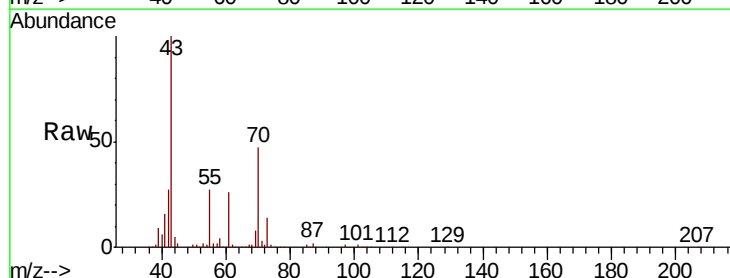
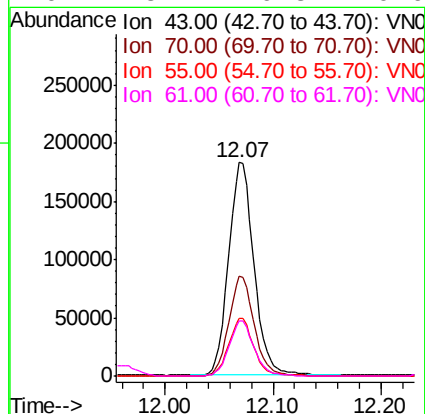
Ion Ratio Lower Upper

43 100

70 46.5 35.4 53.0

55 27.0 19.8 29.6

61 25.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.372 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

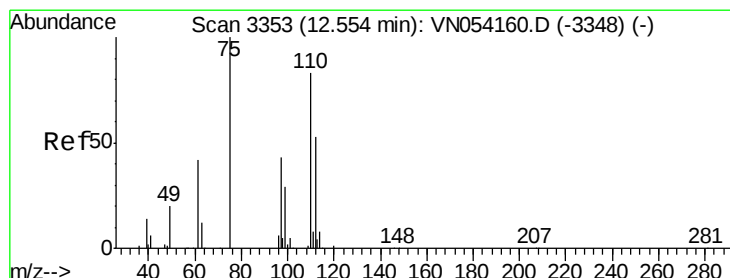
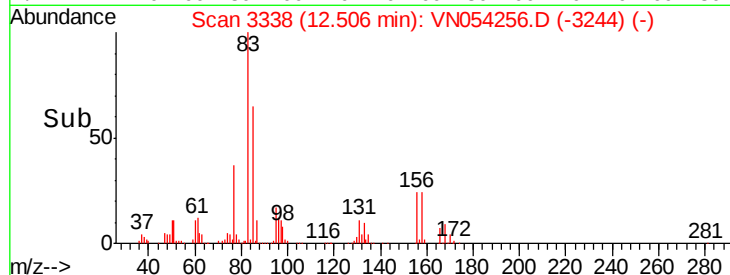
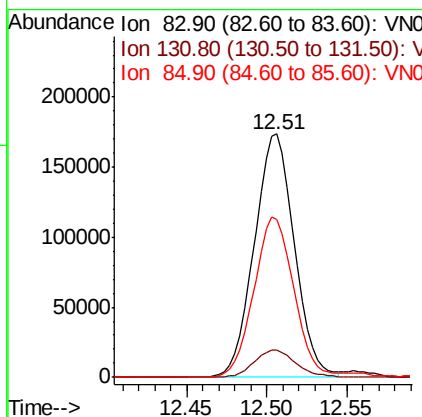
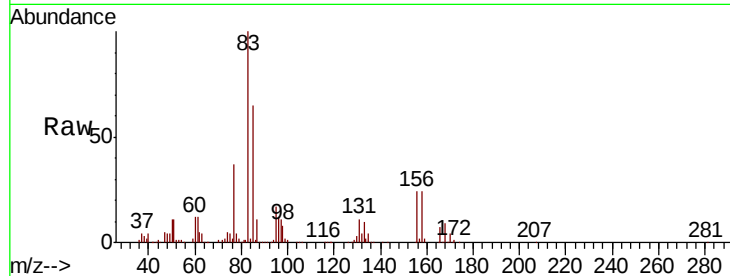
ClientSampleId :

VN0314WBS01

Tgt Ion:	83	Resp:	299275
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	65.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.669 ug/l m

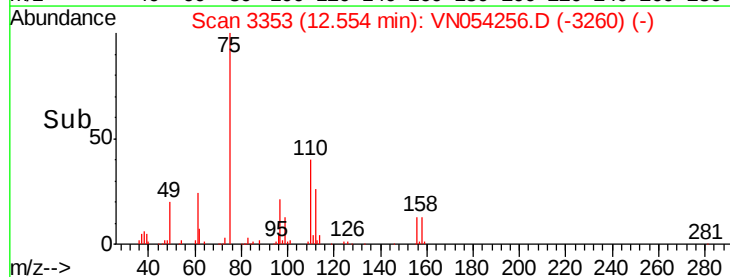
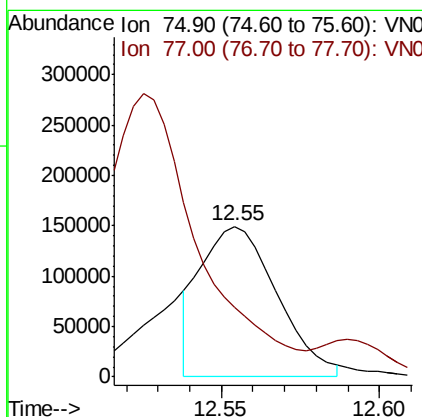
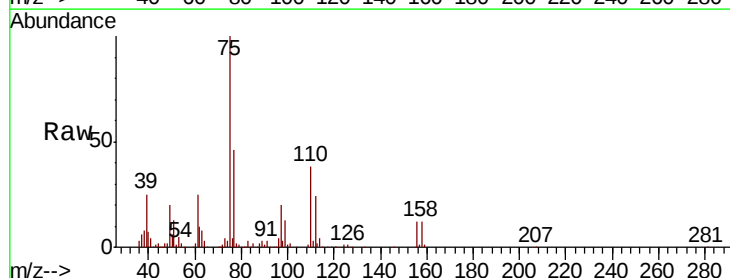
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion:	75	Resp:	248809
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.222 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

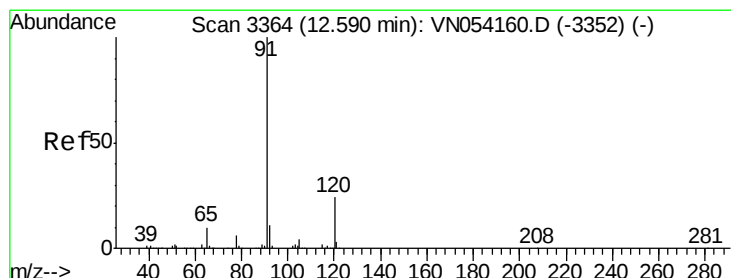
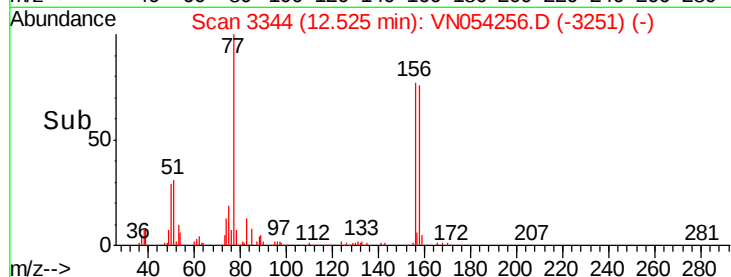
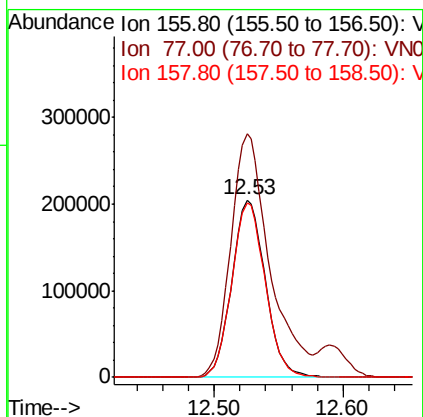
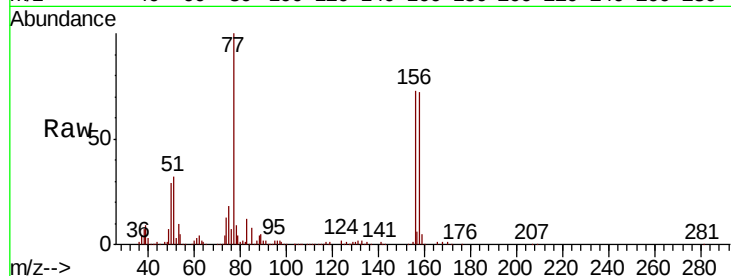
ClientSampleId :

VN0314WBS01

Tgt Ion:	156	Resp:	368812
Ion Ratio	Lower	Upper	
156	100		
77	160.2	81.5	244.4
158	98.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.498 ug/l

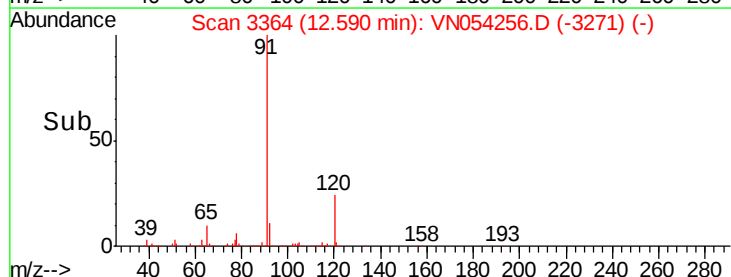
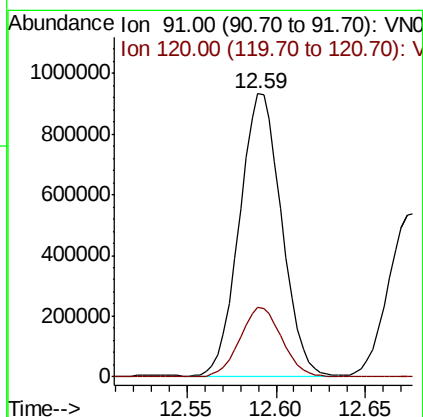
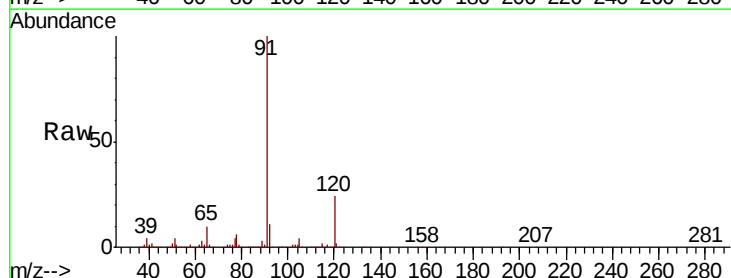
RT: 12.59 min Scan# 3364

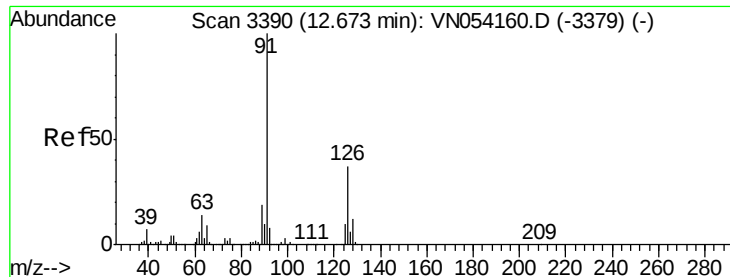
Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion:	91	Resp:	1534051
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.3	36.9





#79

2-Chlorotoluene

Concen: 19.309 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VN0314WBS01

Tgt Ion: 91 Resp: 913432

Ion Ratio Lower Upper

91 100

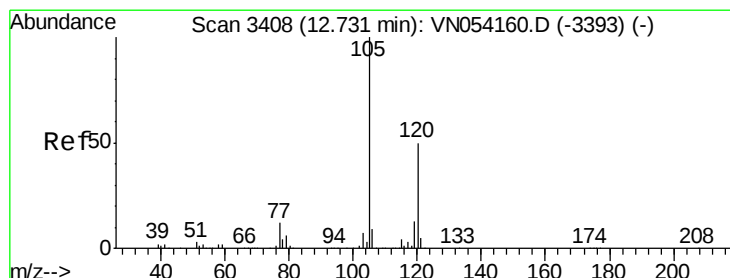
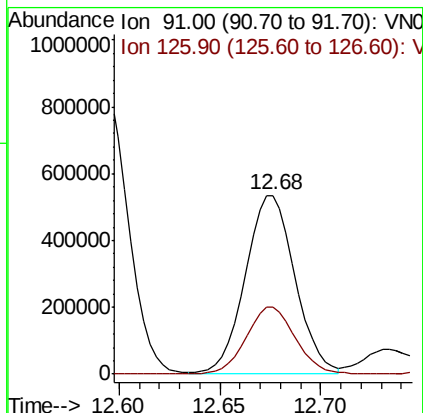
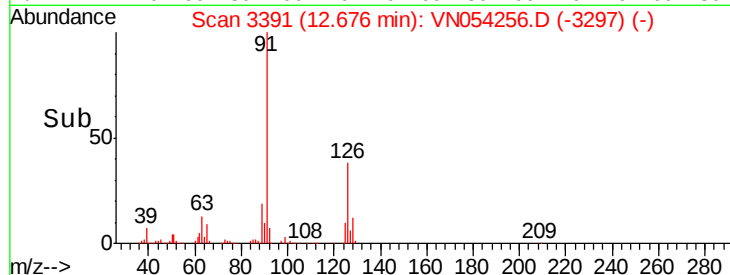
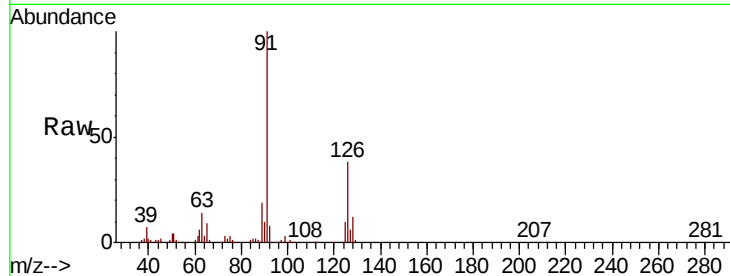
126 37.6 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.227 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054256.D

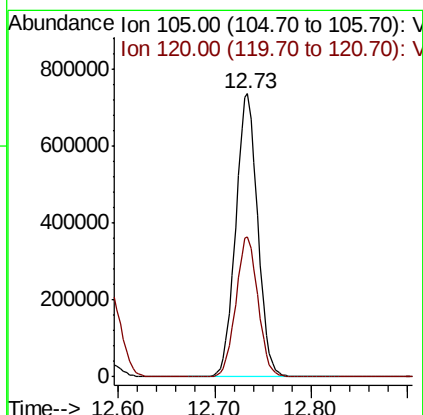
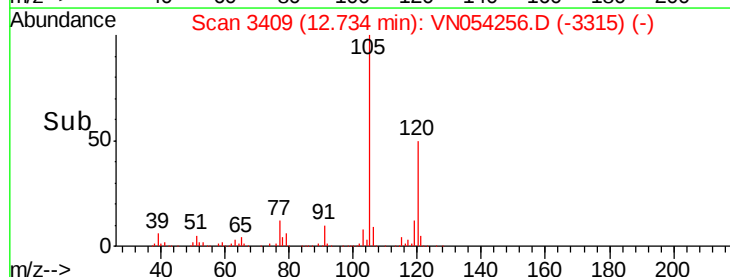
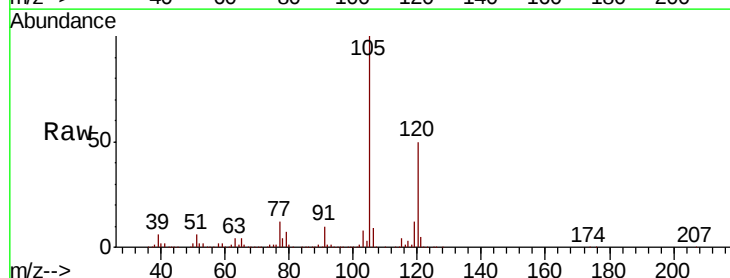
Acq: 14 Mar 2019 12:42

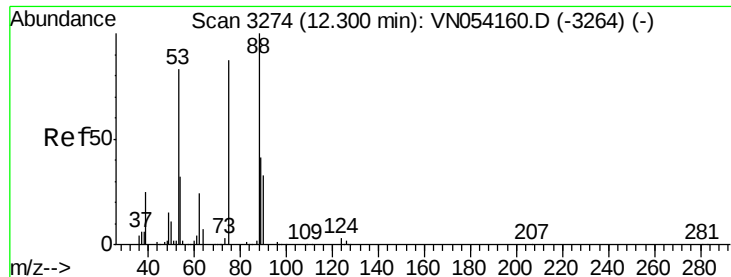
Tgt Ion: 105 Resp: 1159656

Ion Ratio Lower Upper

105 100

120 49.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.324 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

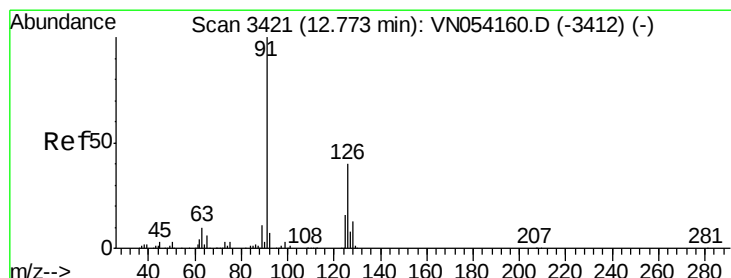
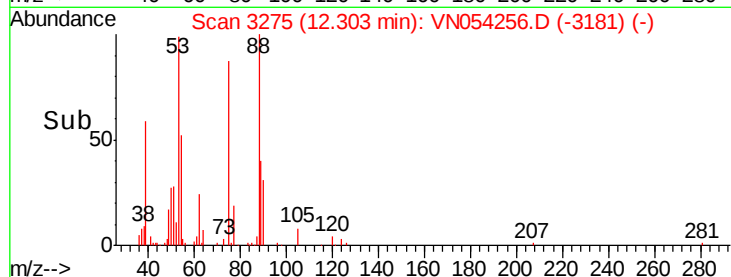
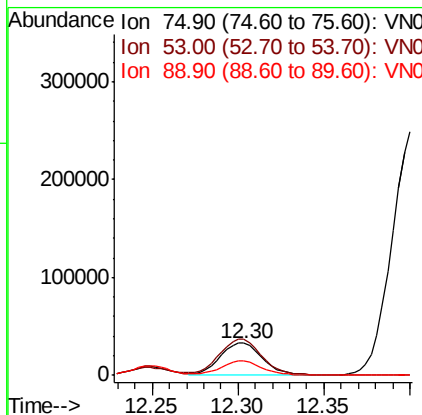
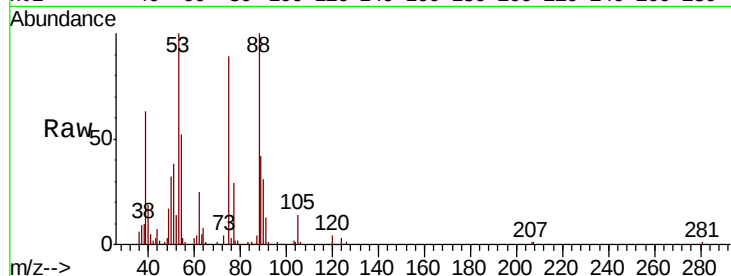
ClientSampleId :

VN0314WBS01

Tgt Ion:	75	Resp:	55845
Ion Ratio	Lower	Upper	
75	100		
53	116.9	76.2	114.2#
89	44.2	39.2	58.8

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#82

4-Chlorotoluene

Concen: 19.297 ug/l

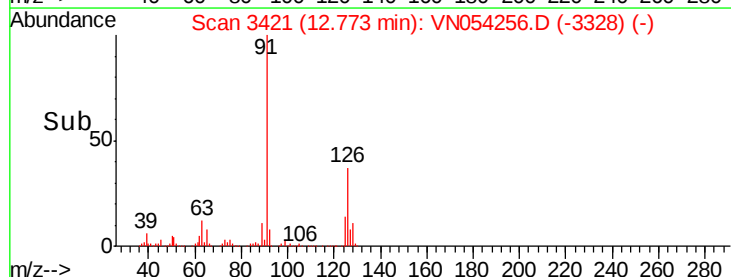
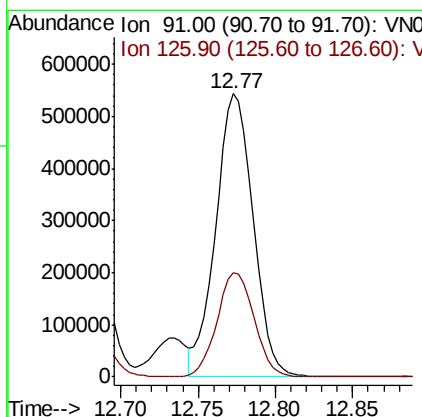
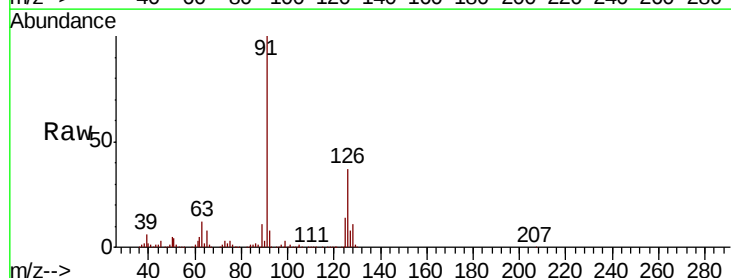
RT: 12.77 min Scan# 3421

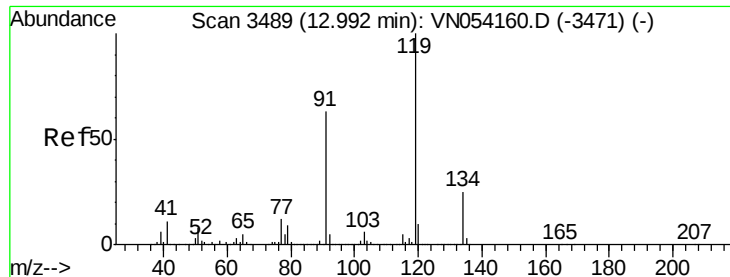
Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion:	91	Resp:	911520
Ion Ratio	Lower	Upper	
91	100		
126	36.5	18.1	54.1





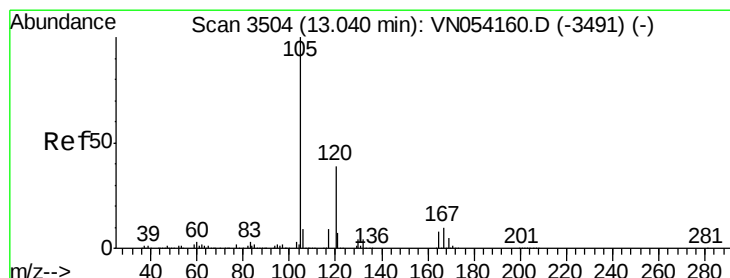
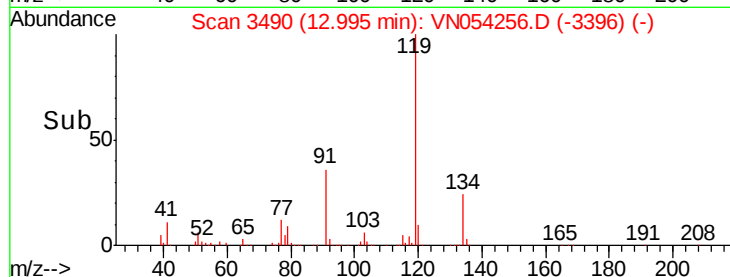
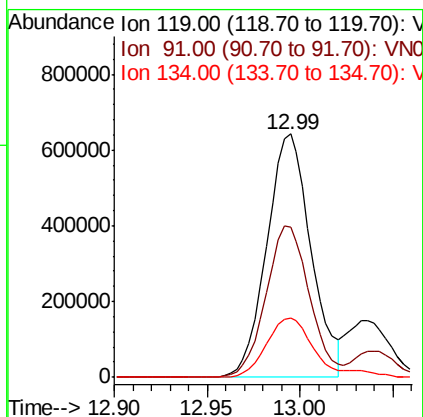
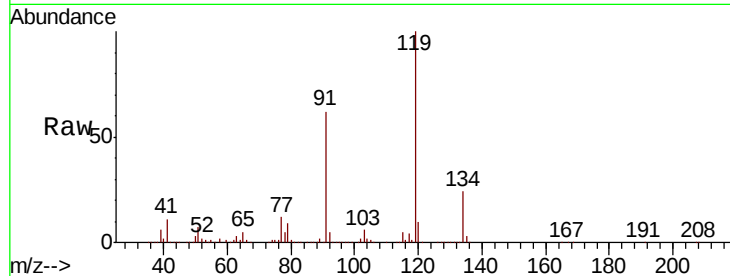
#83
tert-Butylbenzene
Concen: 19.278 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion:119 Resp: 1070186
Ion Ratio Lower Upper
119 100
91 61.3 30.9 92.8
134 27.1 13.2 39.6

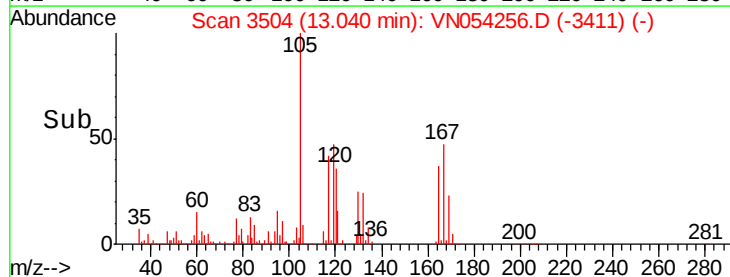
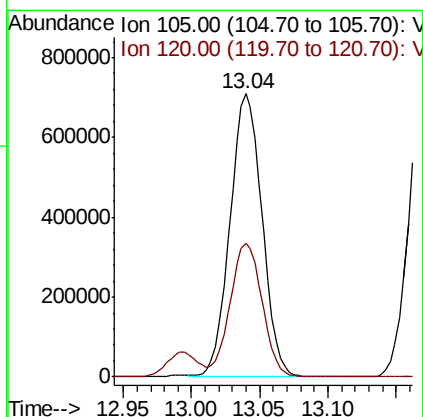
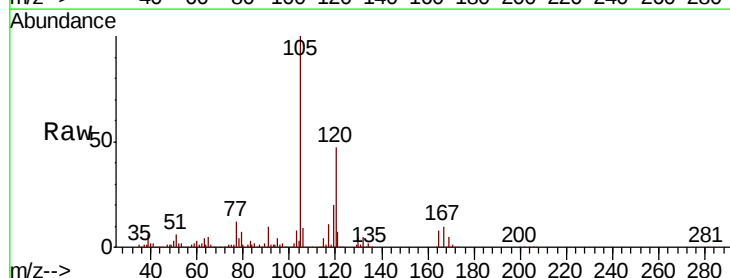
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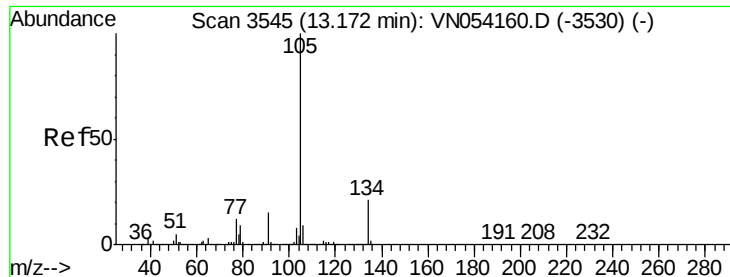
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.548 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion:105 Resp: 1156626
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.324 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

Tgt Ion:105 Resp: 1391189

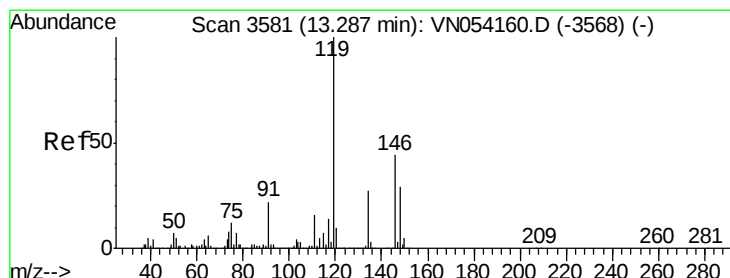
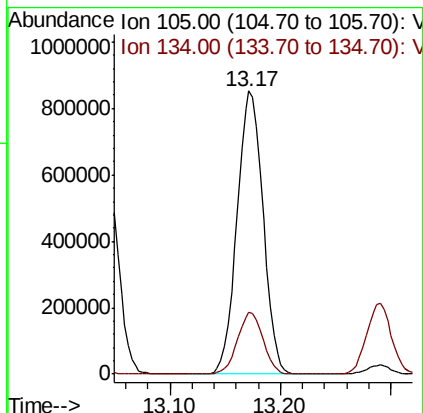
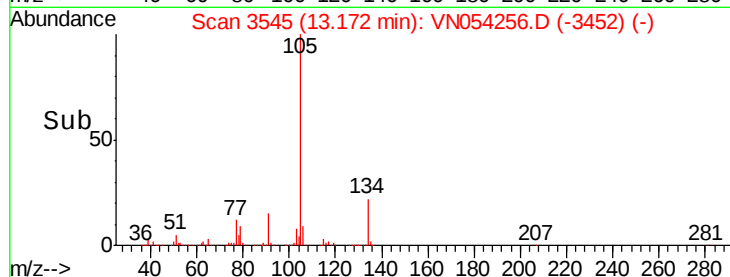
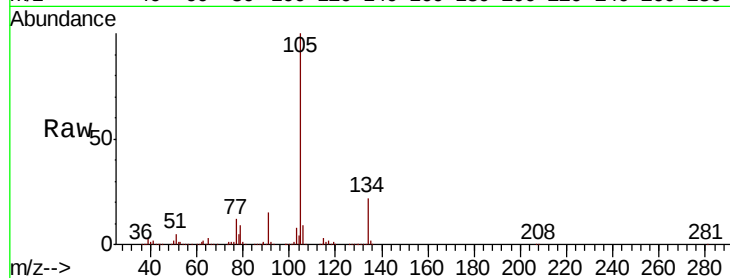
Ion Ratio Lower Upper

105 100

134 21.5 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.361 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

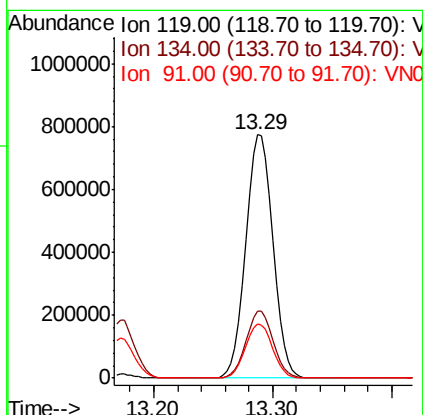
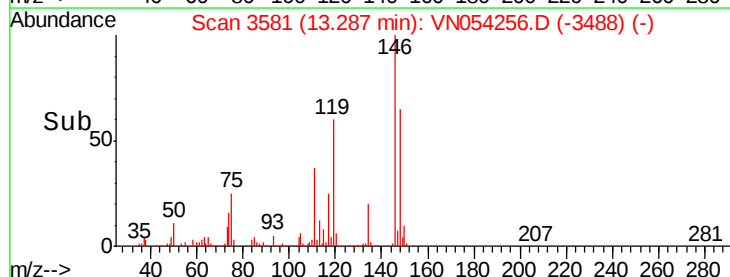
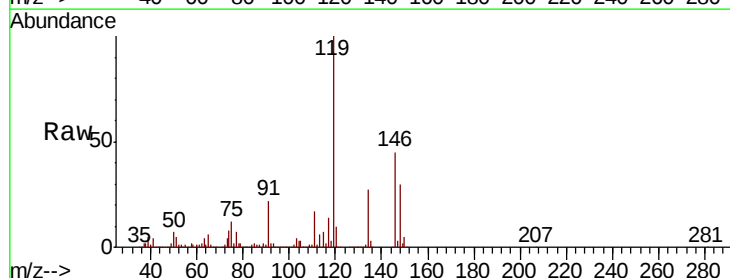
Tgt Ion:119 Resp: 1222848

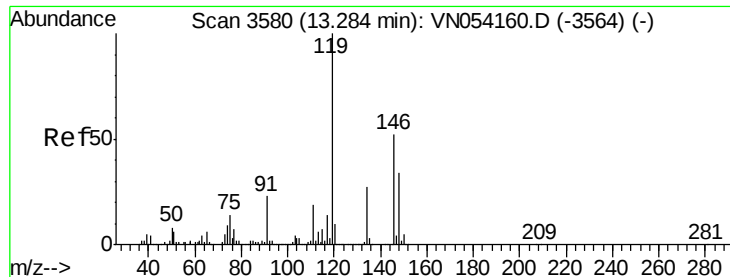
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 22.0 11.1 33.3





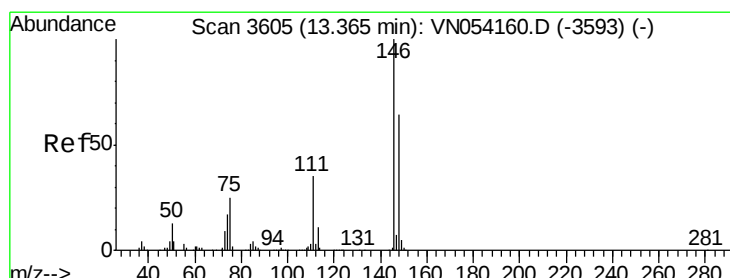
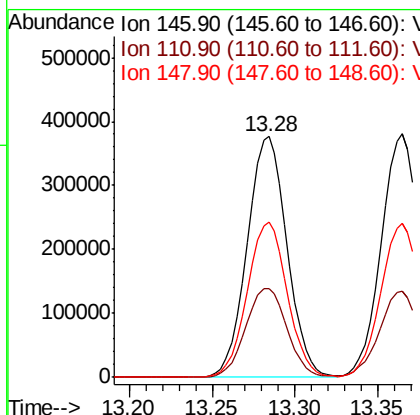
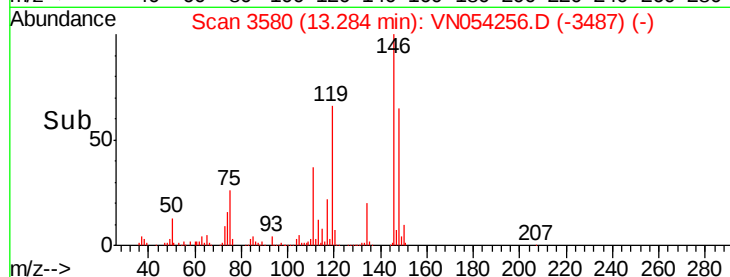
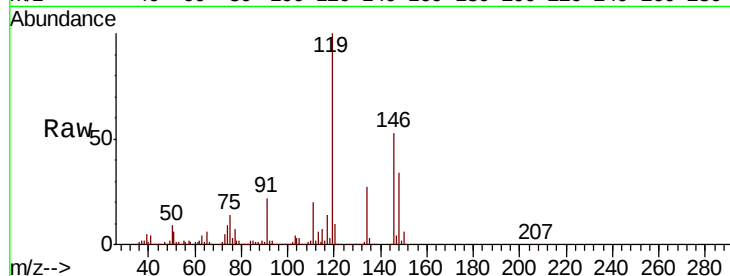
#87
 1,3-Dichlorobenzene
 Concen: 19.509 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.3
148	64.8	32.2	96.6

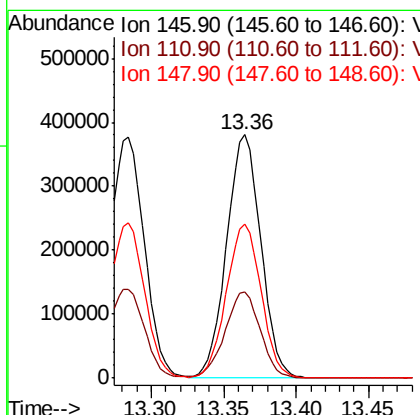
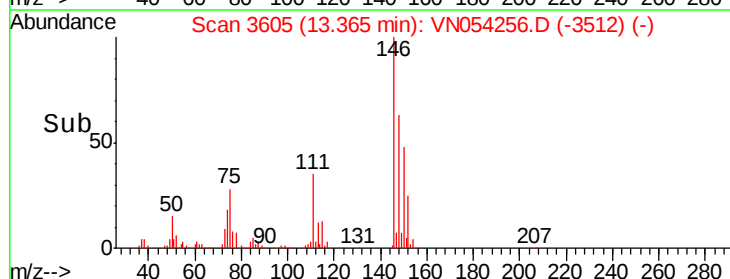
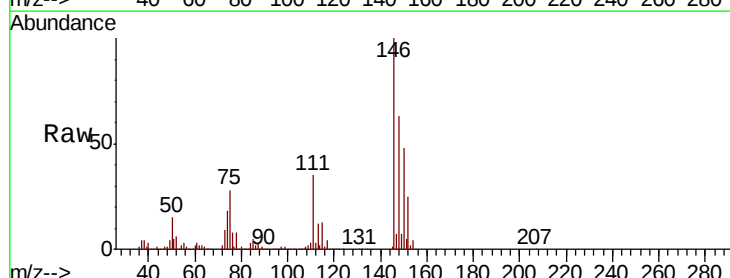
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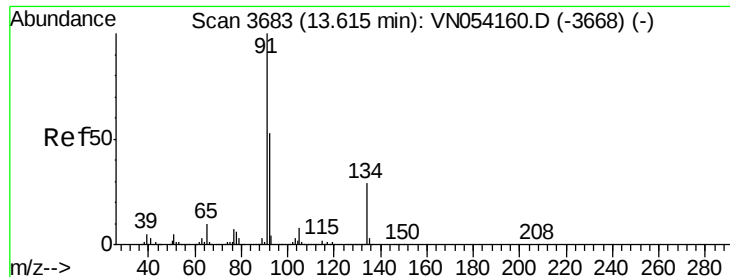
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#88
 1,4-Dichlorobenzene
 Concen: 19.621 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.5	32.0	96.0





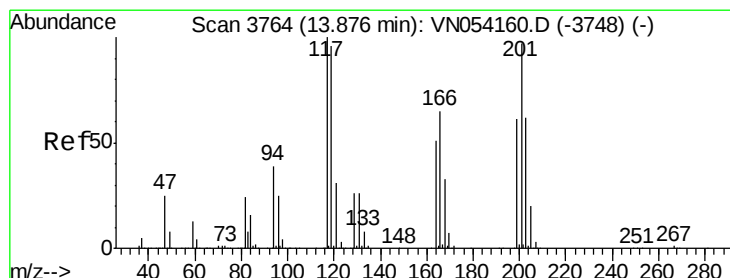
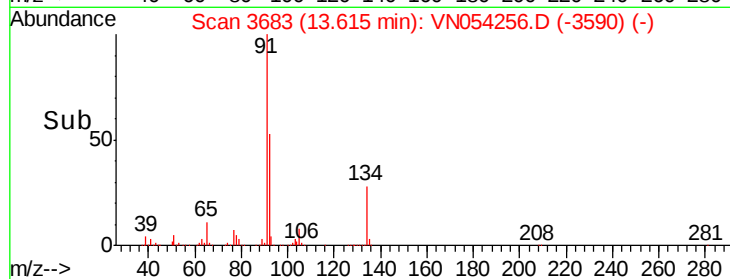
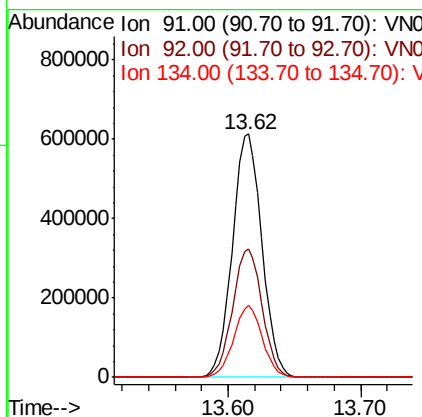
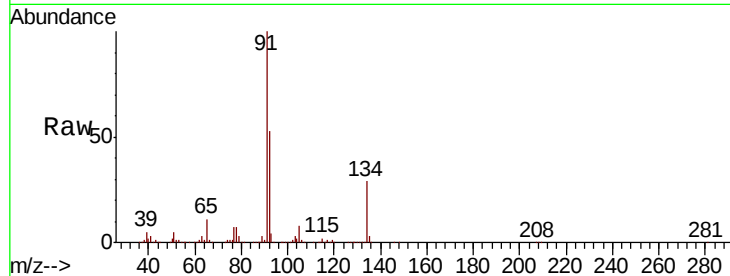
#89
n-Butylbenzene
Concen: 19.723 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.6
134	28.6	14.3	42.9

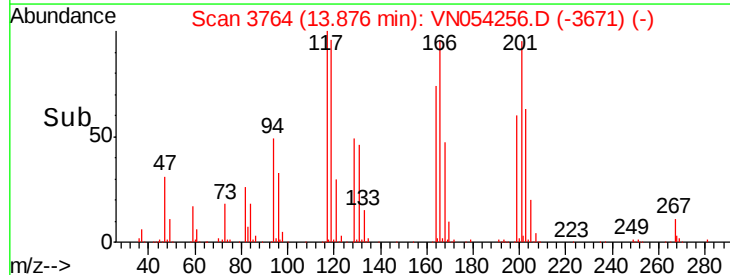
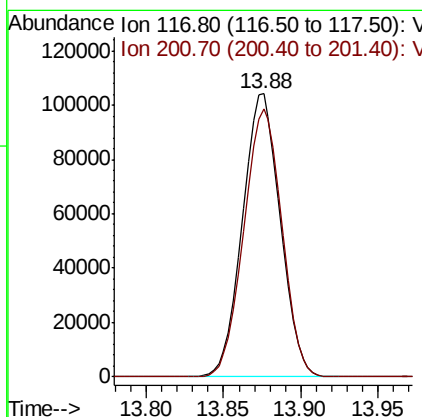
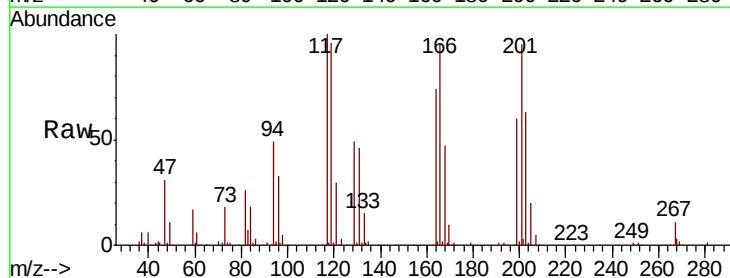
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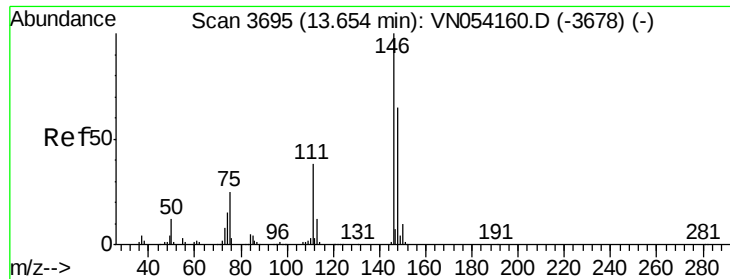
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#90
Hexachloroethane
Concen: 16.956 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	48.1	144.4





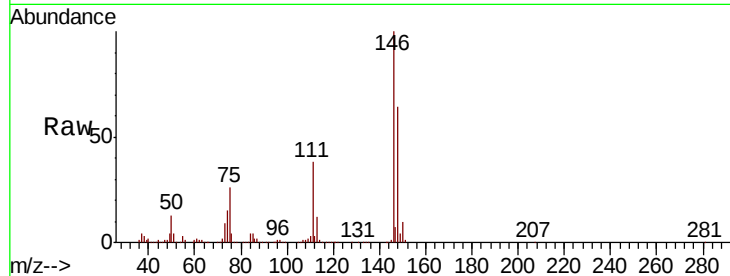
#91
 1,2-Dichlorobenzene
 Concen: 19.774 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	65.0	32.4	97.0

Manual Integrations
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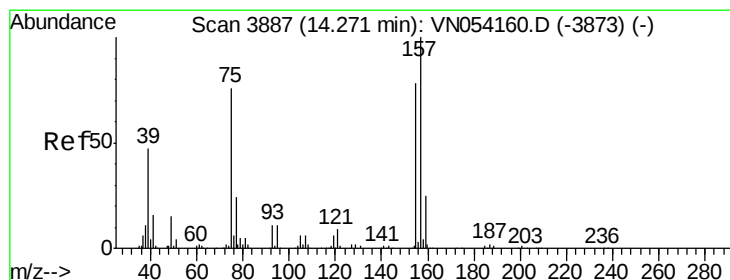
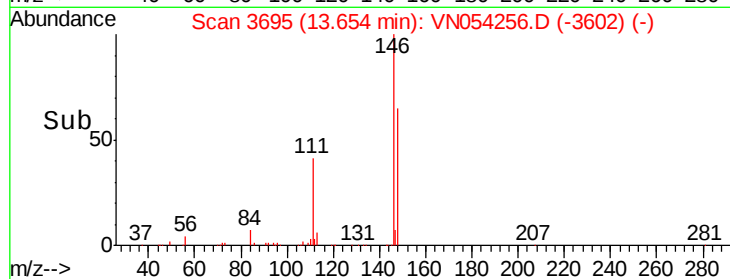
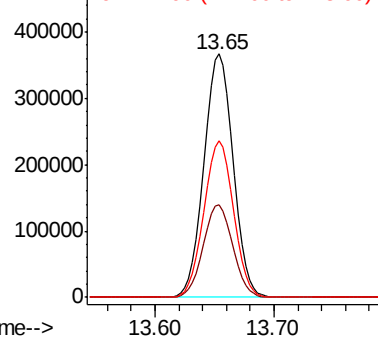


Abundance

Ion 145.90 (145.60 to 146.60): V

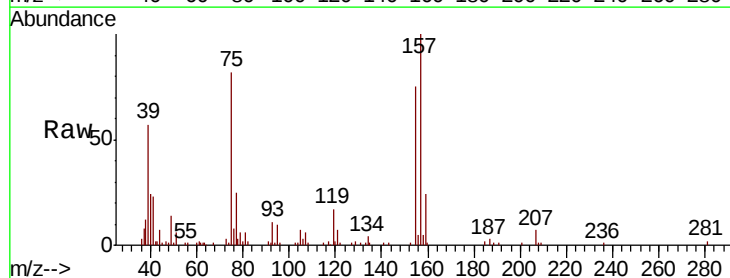
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.232 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	50.1	150.3
157	131.2	63.1	189.3

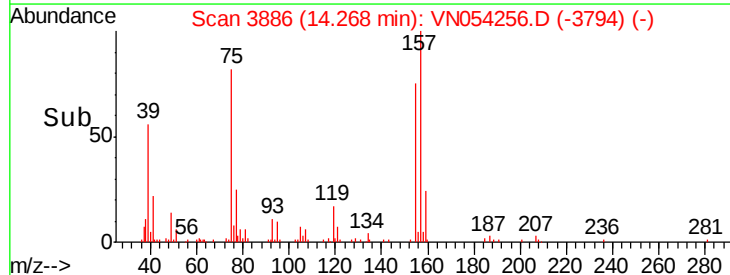
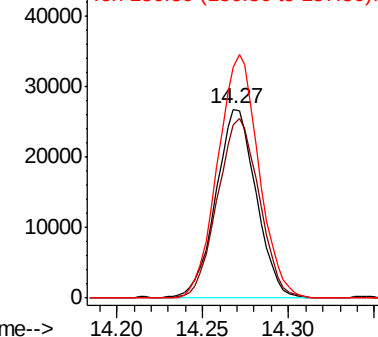


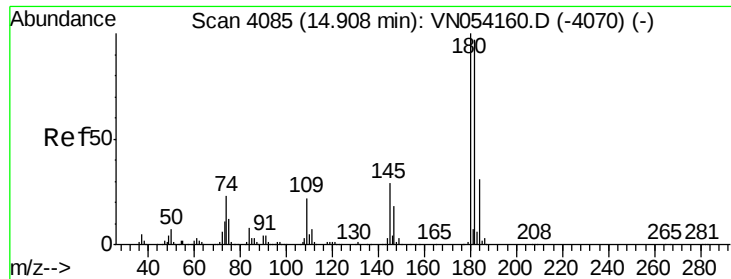
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





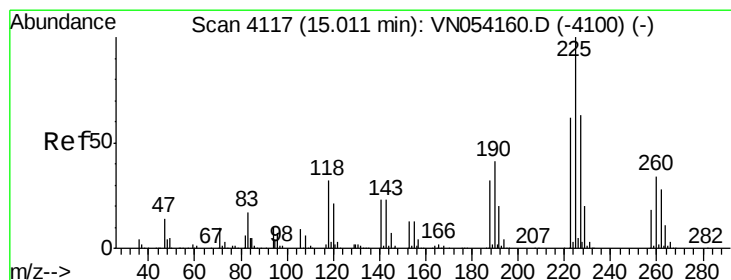
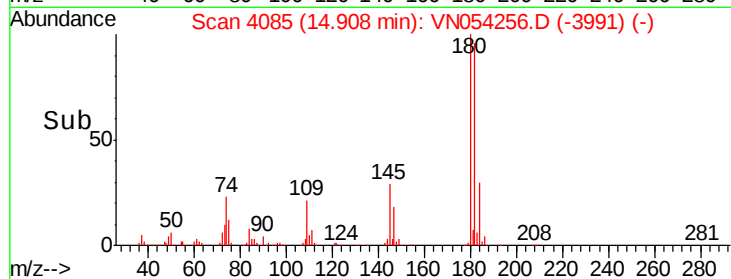
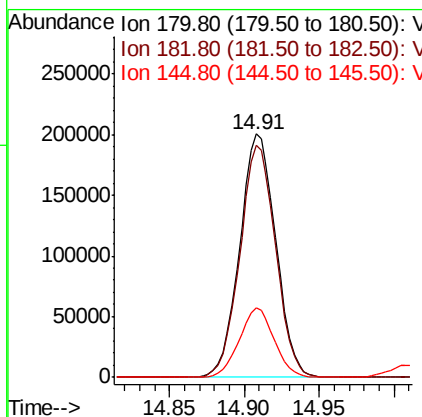
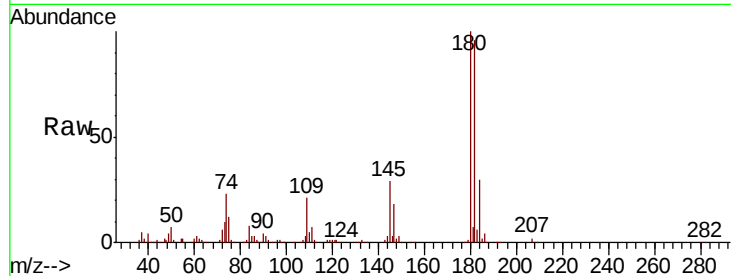
#93
 1,2,4-Trichlorobenzene
 Concen: 19.200 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	335229		
182	94.7	48.0	144.2	
145	27.7	14.2	42.8	

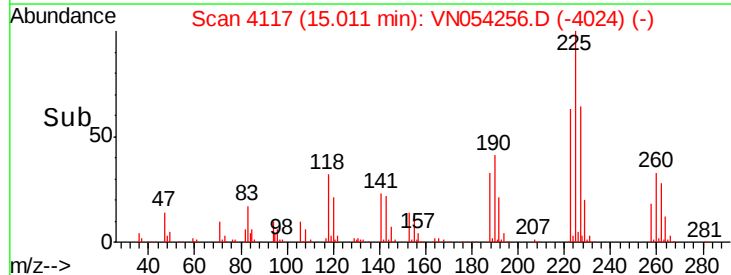
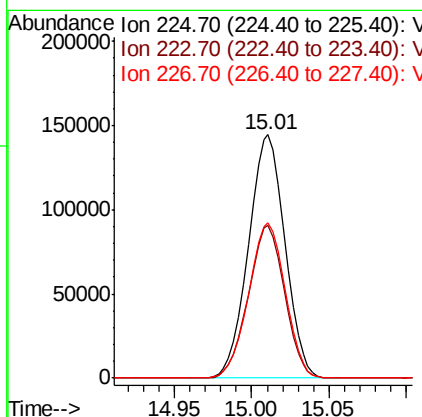
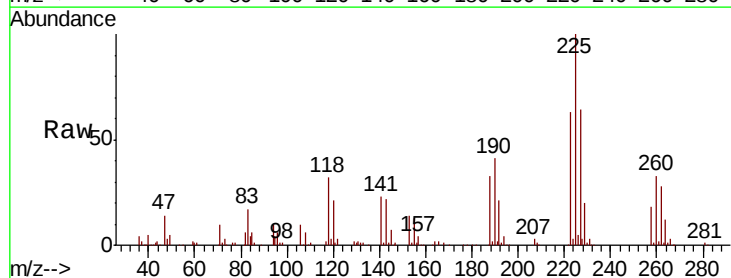
Manual Integrations
 APPROVED

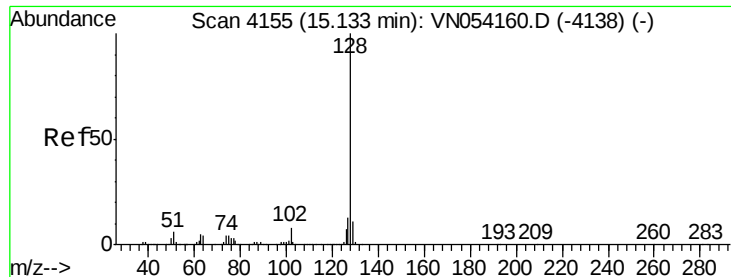
MMDadoda
 3/15/2019 9:42:14 AM



#94
 Hexachlorobutadiene
 Concen: 19.727 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	237496		
223	62.3	31.1	93.5	
227	63.9	31.9	95.9	





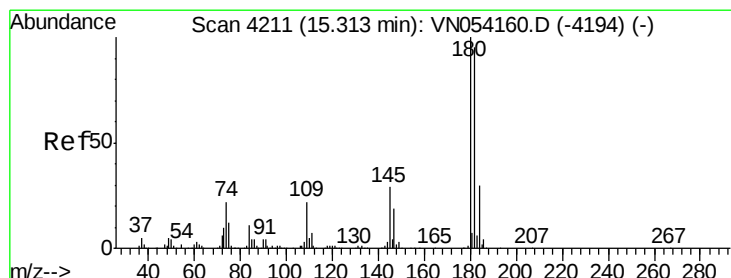
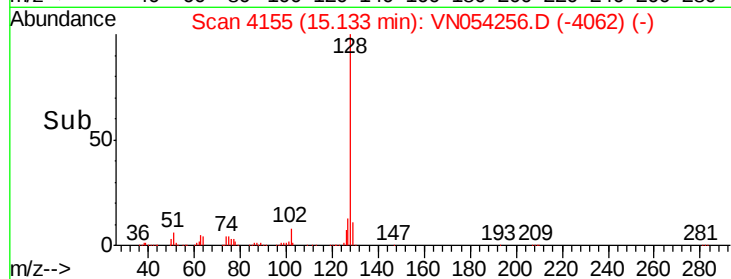
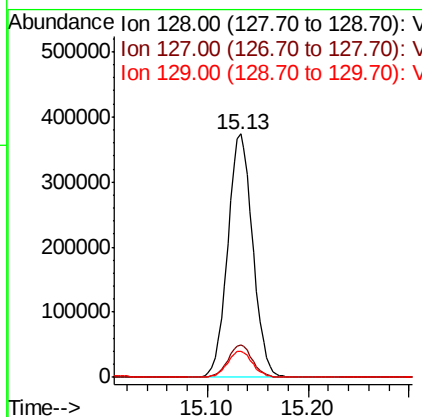
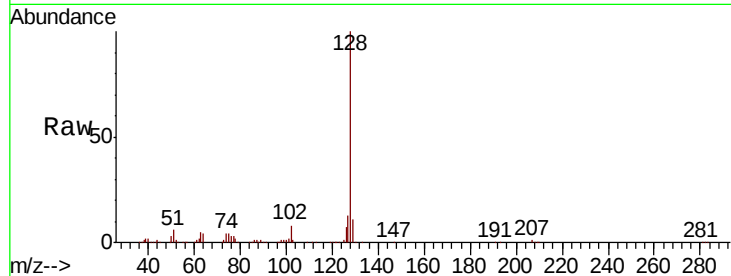
#95
Naphthalene
Concen: 18.598 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.118 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.6
145	29.5	14.8	44.3

