

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056458.D
 Acq On : 24 Jun 2019 16:09
 Operator : JC/SP
 Sample : VN0624MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:26 AM

Quant Time: Jun 25 02:16:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	383796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	606015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	526379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	212035	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	7.59	113	184545	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.09	98	701111	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.40	95	235764	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	60850	18.724	ug/l	99
3) Chloromethane	2.06	50	79429	17.950	ug/l	98
4) Vinyl Chloride	2.18	62	77243	18.074	ug/l	99
5) Bromomethane	2.53	94	50481m	20.148	ug/l	
6) Chloroethane	2.68	64	46466	18.774	ug/l	100
7) Trichlorofluoromethane	3.00	101	104589	18.918	ug/l	98
8) Diethyl Ether	3.41	74	45251	19.340	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66587	18.887	ug/l	99
10) Methyl Iodide	3.95	142	90330	18.957	ug/l	100
11) Tert butyl alcohol	4.79	59	64901	90.590	ug/l	100
12) 1,1-Dichloroethene	3.73	96	65274	19.253	ug/l	93
13) Acrolein	3.61	56	46229	76.562	ug/l	99
14) Allyl chloride	4.32	41	105284	18.655	ug/l	98
15) Acrylonitrile	4.99	53	192106	96.926	ug/l	99
16) Acetone	3.82	43	181384	85.111	ug/l	96
17) Carbon Disulfide	4.05	76	123330	15.993	ug/l	99
18) Methyl Acetate	4.33	43	88588	20.715	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	226223	20.165	ug/l	91
20) Methylene Chloride	4.55	84	78717	19.042	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	69599	19.040	ug/l	95
22) Diisopropyl ether	5.95	45	235700	19.886	ug/l	96
23) Vinyl Acetate	5.90	43	952527	101.890	ug/l	99
24) 1,1-Dichloroethane	5.85	63	134291	19.738	ug/l	100
25) 2-Butanone	6.84	43	265851	94.254	ug/l	98
26) 2,2-Dichloropropane	6.83	77	91875	19.415	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	85268	19.938	ug/l	98
28) Bromochloromethane	7.19	49	62550	18.587	ug/l	95
29) Tetrahydrofuran	7.21	42	169856	98.544	ug/l	99
30) Chloroform	7.37	83	130828	19.487	ug/l	100
31) Cyclohexane	7.65	56	124956	19.024	ug/l #	95
32) 1,1,1-Trichloroethane	7.57	97	104210	19.582	ug/l	99
36) 1,1-Dichloropropene	7.79	75	96364	18.066	ug/l	98
37) Ethyl Acetate	6.93	43	103087	19.666	ug/l	99
38) Carbon Tetrachloride	7.77	117	86357	18.514	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	125139	19.013	ug/l	99
40) Benzene	8.04	78	305007	18.590	ug/l	99
41) Methacrylonitrile	7.17	41	45542	19.675	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	99606	18.395	ug/l	99
43) Isopropyl Acetate	8.17	43	165182	20.436	ug/l #	89
44) Trichloroethene	8.84	130	83501	18.893	ug/l	99
45) 1,2-Dichloropropane	9.12	63	83170	18.954	ug/l	100
46) Dibromomethane	9.21	93	53439	19.466	ug/l	98
47) Bromodichloromethane	9.40	83	94510	19.411	ug/l	98
48) Methyl methacrylate	9.20	41	75600	18.664	ug/l	99
49) 1,4-Dioxane	9.20	88	28371	337.519	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	501191	96.068	ug/l	99
52) Toluene	10.16	92	189691	18.910	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	98179	19.203	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	116117	19.804	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	79837	19.800	ug/l	99
56) Ethyl methacrylate	10.43	69	115903	19.669	ug/l	98
57) 1,3-Dichloropropane	10.71	76	131038	19.345	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	173078	81.759	ug/l	100
59) 2-Hexanone	10.75	43	354290	92.399	ug/l	99
60) Dibromochloromethane	10.90	129	70073	18.484	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81007	19.671	ug/l	99
64) Tetrachloroethene	10.63	164	82302	19.744	ug/l	98
65) Chlorobenzene	11.43	112	201555	19.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	71165	19.908	ug/l	99
67) Ethyl Benzene	11.51	91	362986	19.545	ug/l	100
68) m/p-Xylenes	11.62	106	275735	40.513	ug/l	100
69) o-Xylene	11.95	106	133330	19.801	ug/l	100
70) Styrene	11.96	104	212960	19.787	ug/l	99
71) Bromoform	12.13	173	45923	18.066	ug/l #	99
73) Isopropylbenzene	12.25	105	355542	21.832	ug/l	100
74) N-amyl acetate	12.07	43	128431	19.903	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	108835	21.321	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	92881m	22.093	ug/l	
77) Bromobenzene	12.53	156	130471	28.779	ug/l	64
78) n-propylbenzene	12.59	91	376876	20.298	ug/l	100
79) 2-Chlorotoluene	12.67	91	232353	21.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	299610	22.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22873	19.337	ug/l	98
82) 4-Chlorotoluene	12.77	91	214425	19.559	ug/l	99
83) tert-Butylbenzene	12.99	119	252842	21.147	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	323939	23.733	ug/l	100
85) sec-Butylbenzene	13.17	105	324949	19.911	ug/l	99
86) p-Isopropyltoluene	13.29	119	277496	19.813	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	133946	19.496	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	127160	19.111	ug/l	98
89) n-Butylbenzene	13.61	91	197129	18.592	ug/l	98
90) Hexachloroethane	13.87	117	42947	19.669	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	135087	19.818	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14153	18.865	ug/l	98

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ClientSampleId :
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QLast Update : Fri Jun 21 03:45:40 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48059	17.633	ug/l	96
94) Hexachlorobutadiene	15.01	225	49798	20.447	ug/l	100
95) Naphthalene	15.13	128	168307	21.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57942	18.822	ug/l	97

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

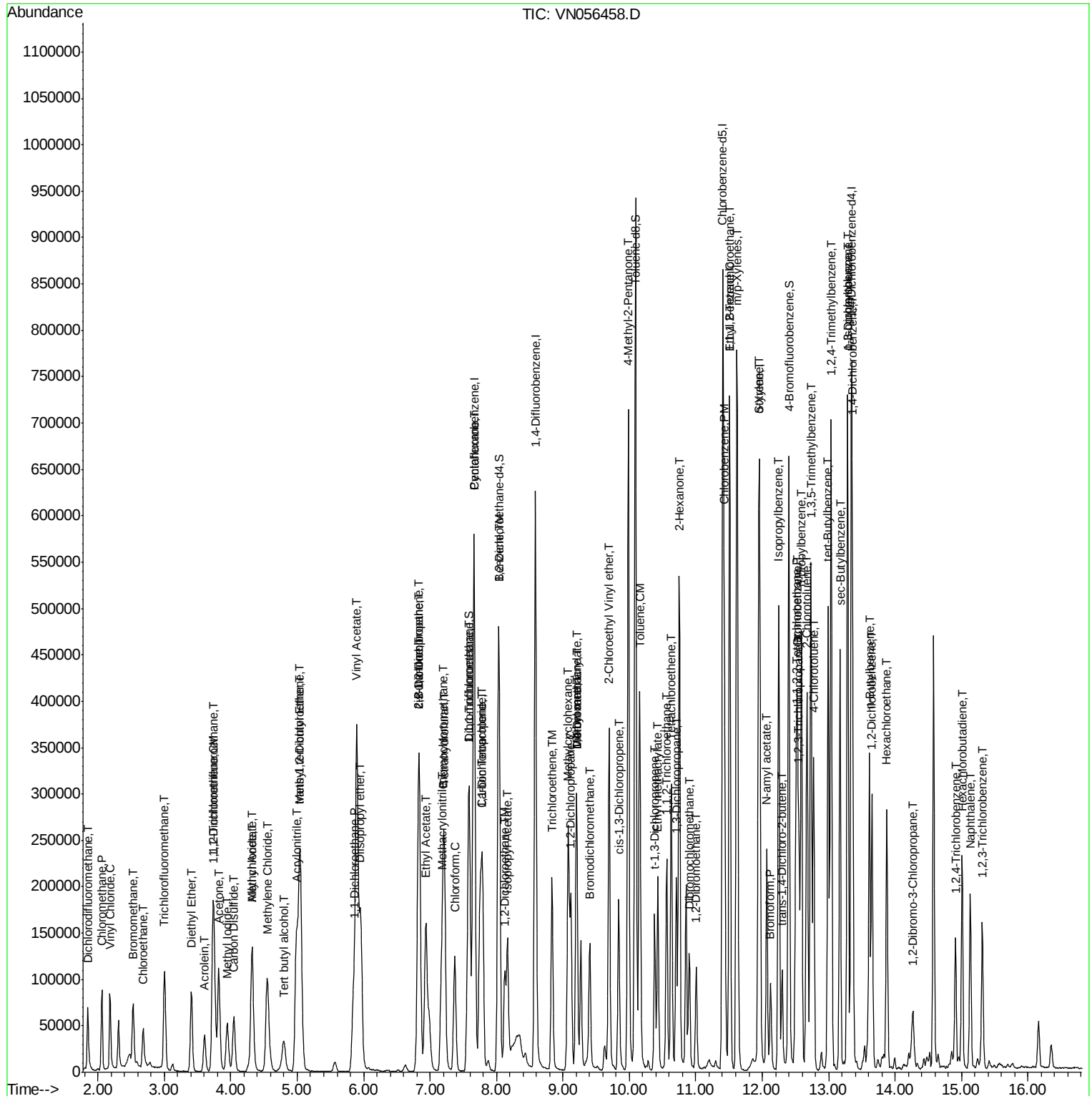
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Data File : VN056458.D
Acq On : 24 Jun 2019 16:09
Operator : JC/SP
Sample : VN0624MBS01
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 19 Sample Multiplier: 1

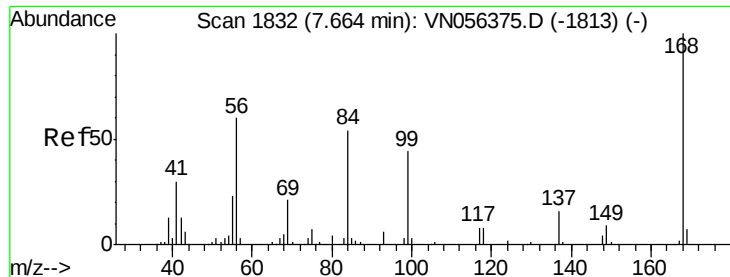
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MSVOA_N
Client Sample ID :
VN0624MBS01

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion:168 Resp: 383796

Ion Ratio Lower Upper

168 100

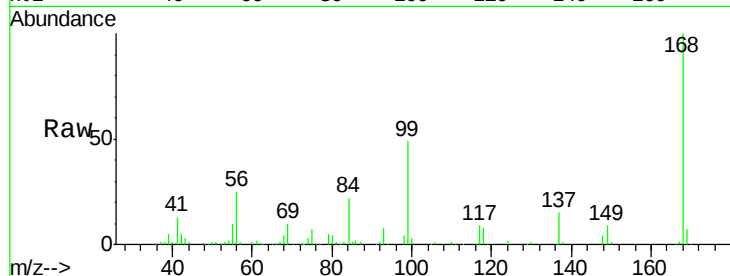
99 48.9 40.6 61.0

Manual Integrations

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6/26/2019 8:14:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

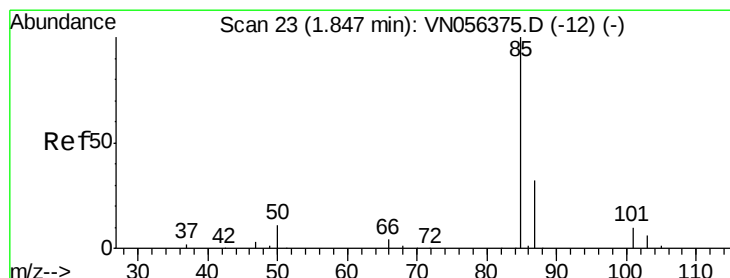
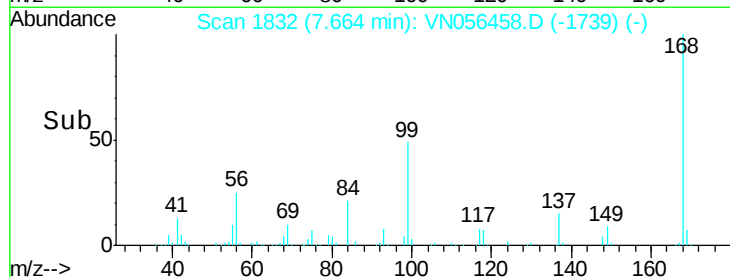
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.724 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056458.D

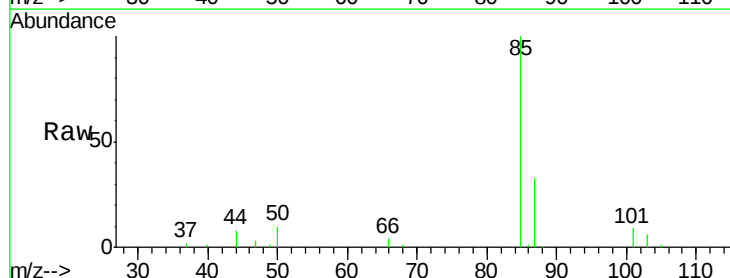
Acq: 24 Jun 2019 16:09

Tgt Ion: 85 Resp: 60850

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

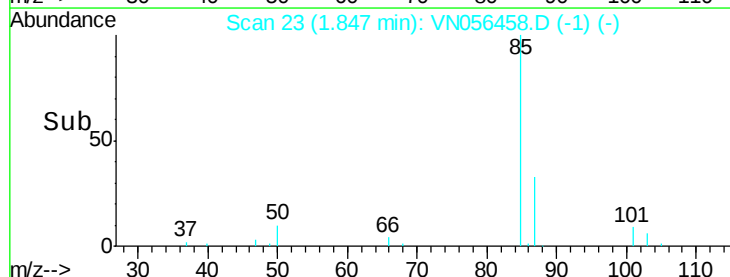
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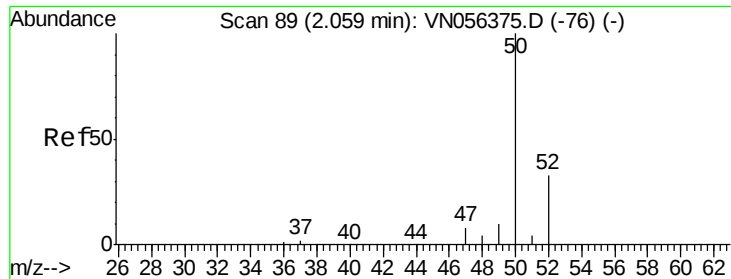
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Time-->





#3

Chloromethane

Concen: 17.950 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 50 Resp: 79429

Ion Ratio Lower Upper

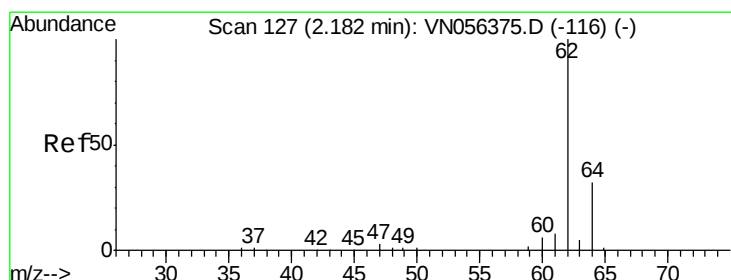
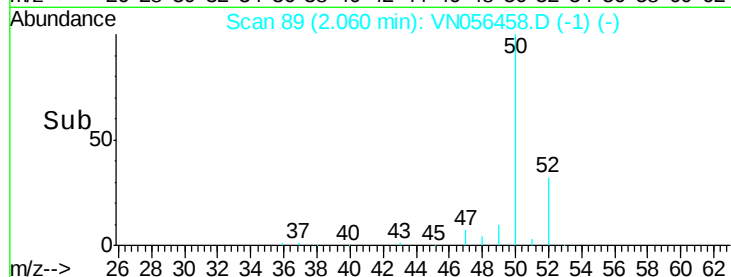
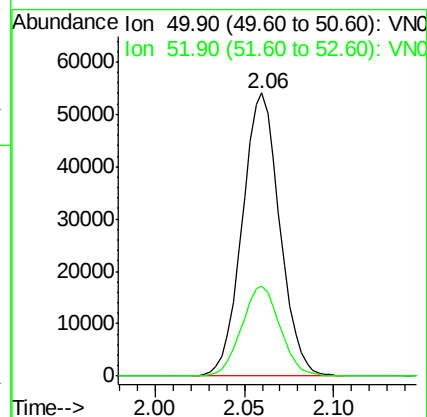
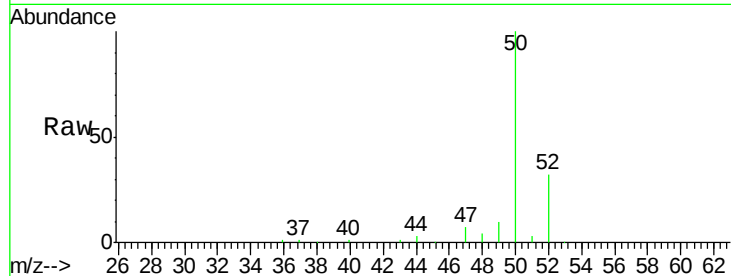
50 100

52 32.0 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.074 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056458.D

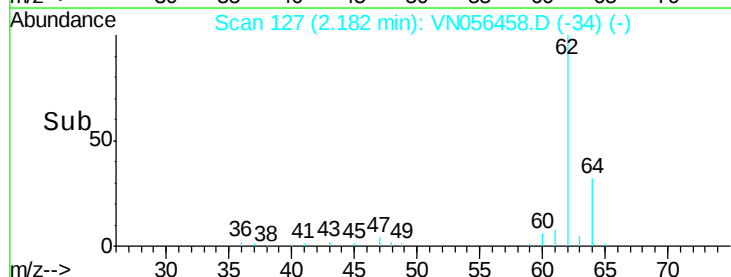
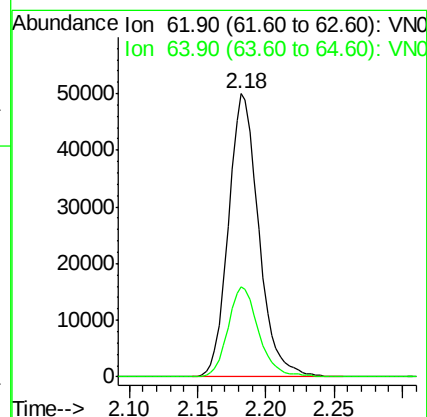
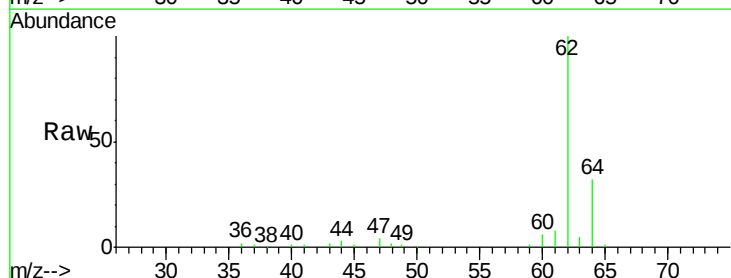
Acq: 24 Jun 2019 16:09

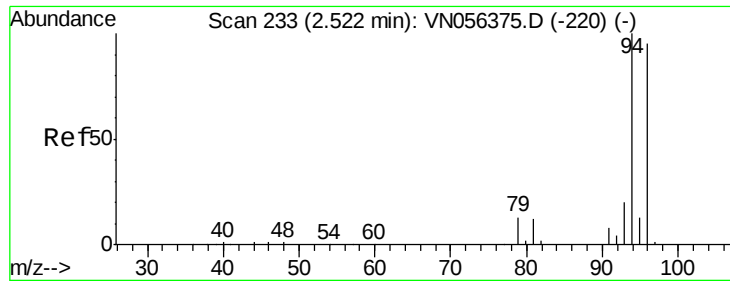
Tgt Ion: 62 Resp: 77243

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 20.148 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 94 Resp: 50481

Ion Ratio Lower Upper

94 100

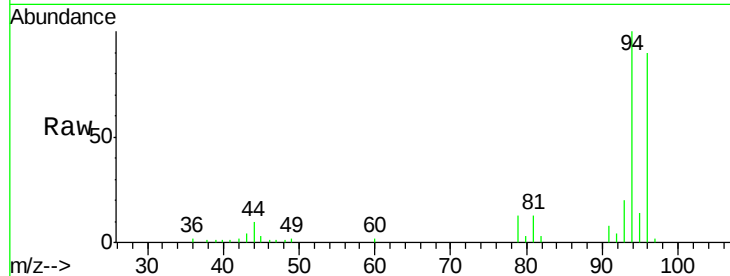
96 90.3 76.0 114.0

Manual Integrations

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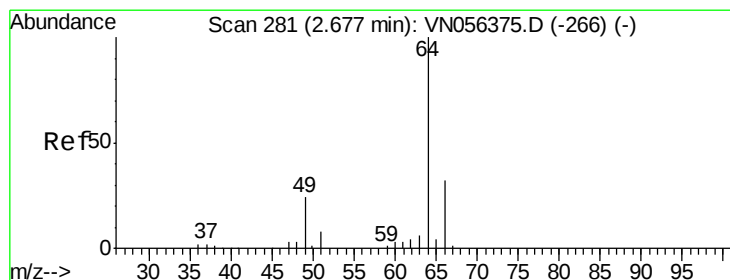
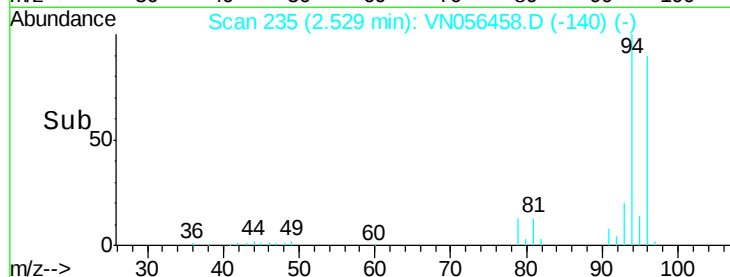
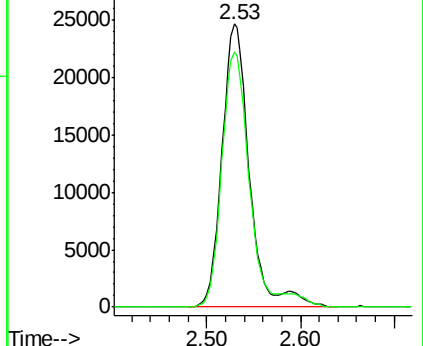
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.774 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN056458.D

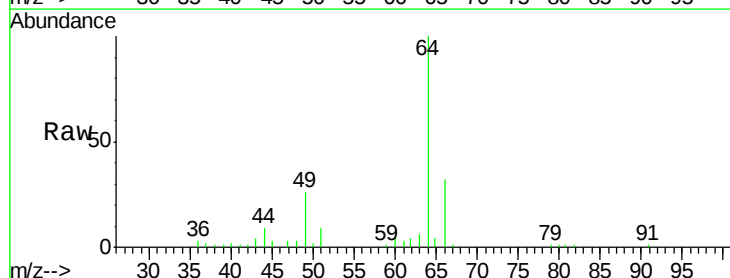
Acq: 24 Jun 2019 16:09

Tgt Ion: 64 Resp: 46466

Ion Ratio Lower Upper

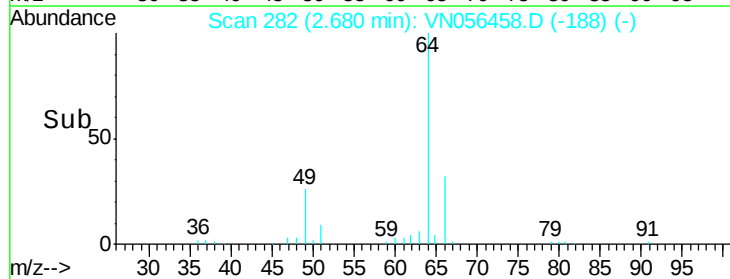
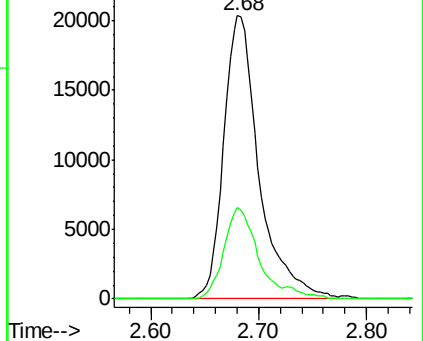
64 100

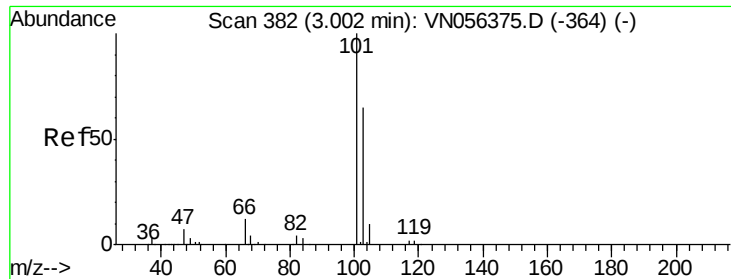
66 32.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

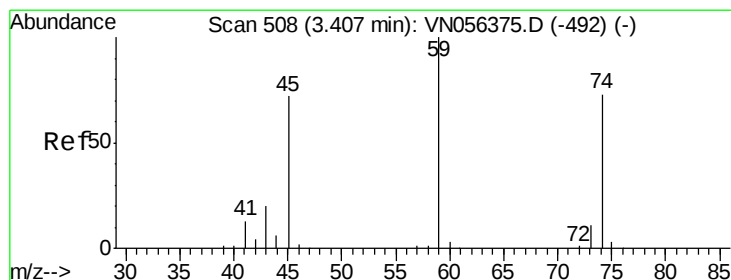
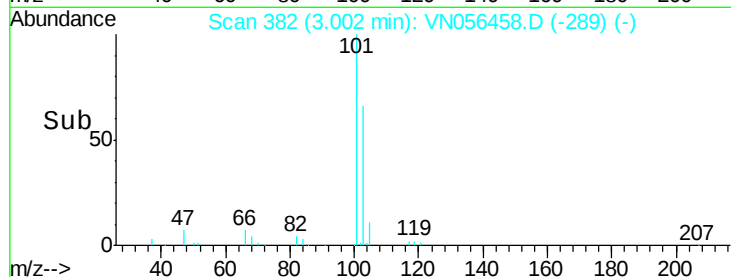
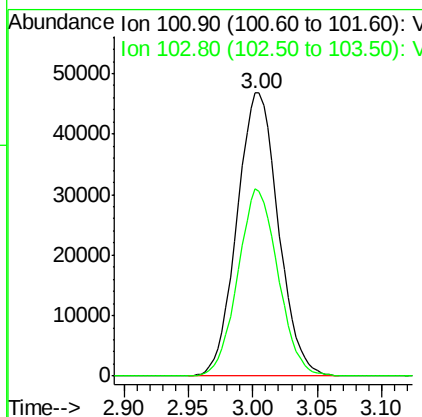
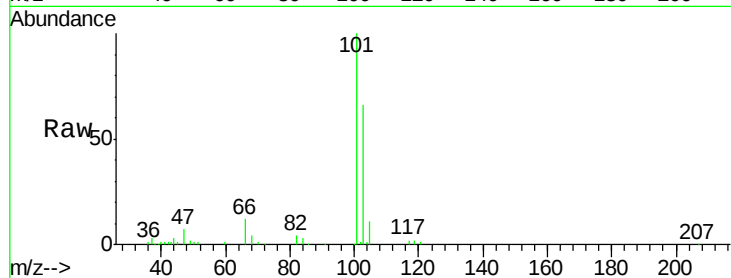
Trichlorofluoromethane
Concen: 18.918 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
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ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.7	77.5

Manual Integrations
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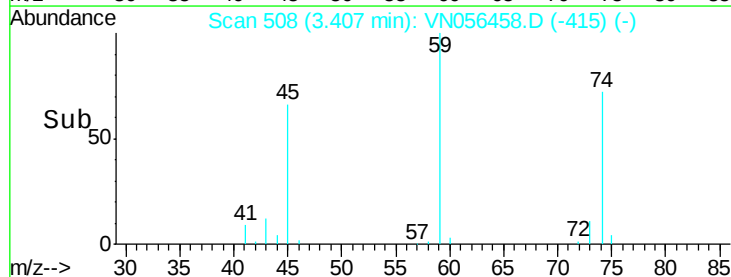
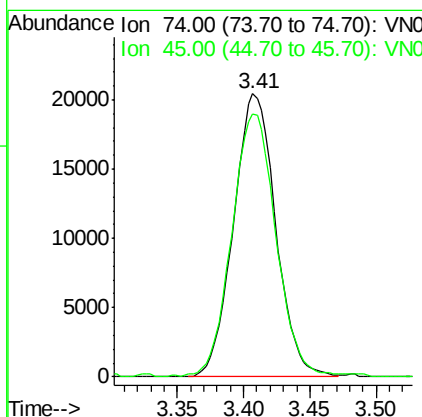
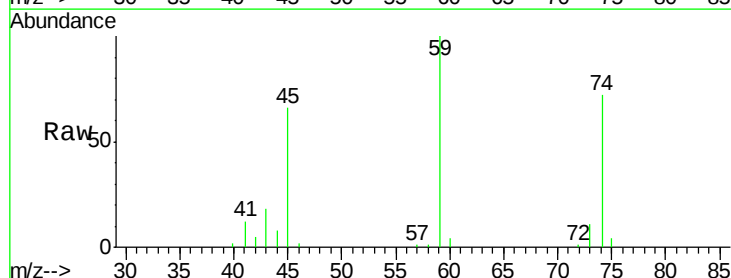
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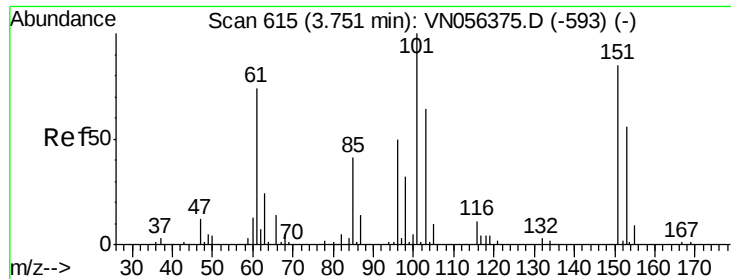


#8

Diethyl Ether
Concen: 19.340 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	48.9	146.6





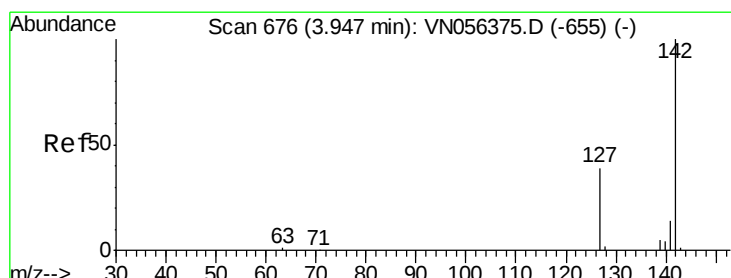
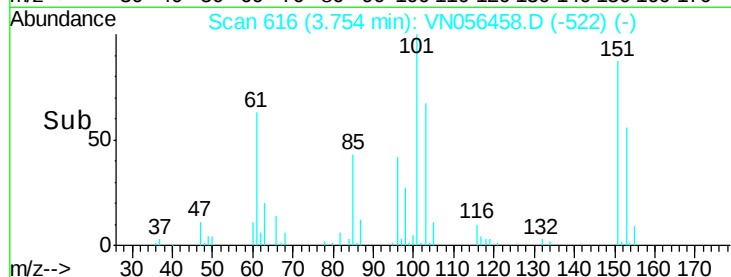
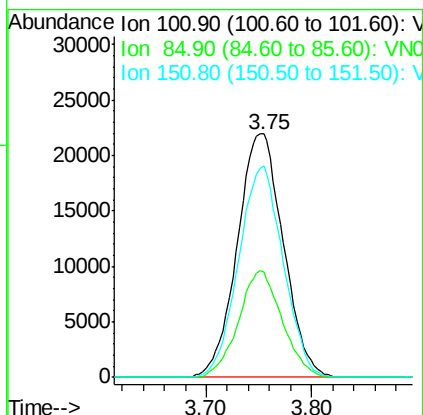
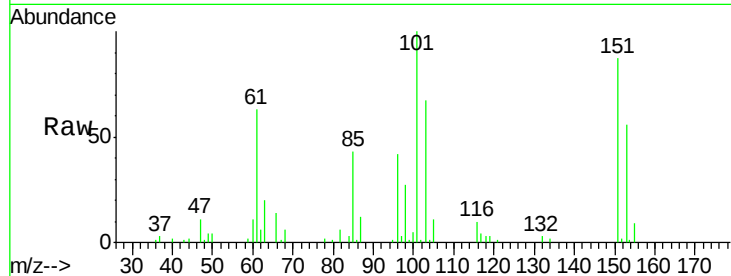
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.887 ug/l
RT: 3.75 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.4	32.7	49.1
151	84.0	66.8	100.2

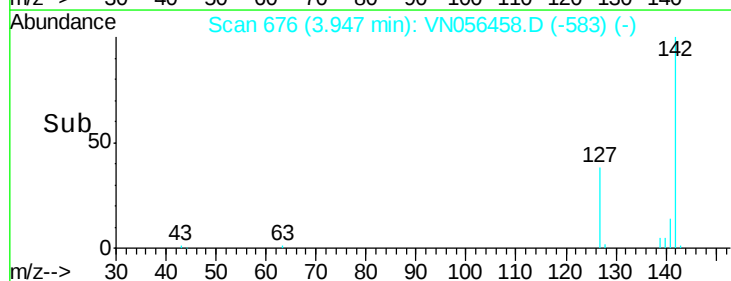
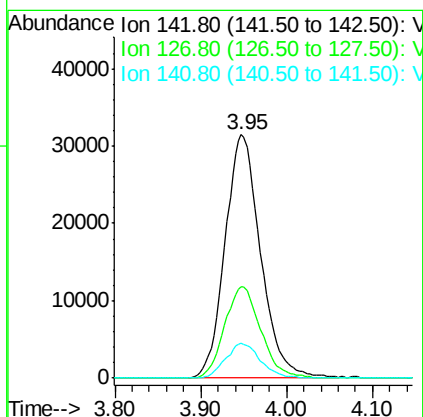
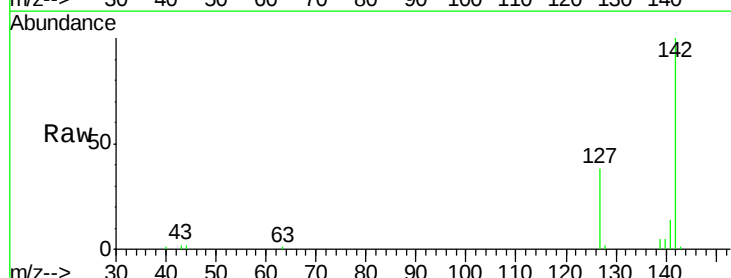
Manual Integrations
APPROVED

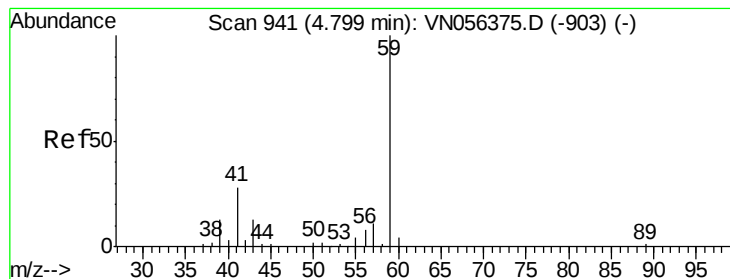
MMDadoda
6/26/2019 8:14:26 AM



#10
Methyl Iodide
Concen: 18.957 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.2	30.6	46.0
141	14.0	11.4	17.2





#11

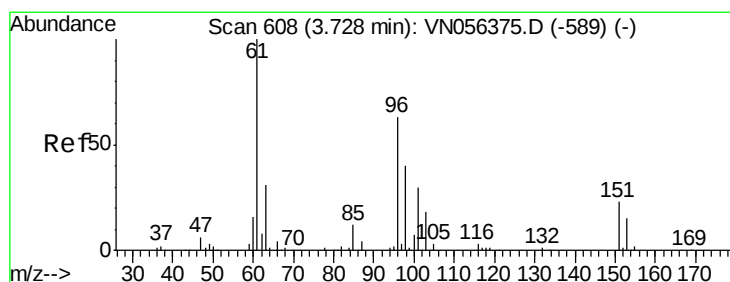
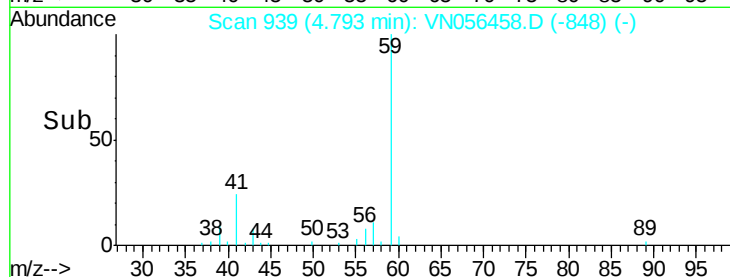
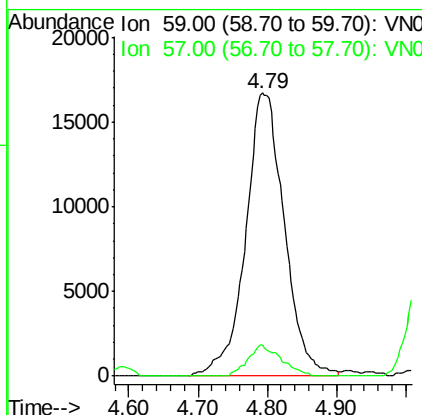
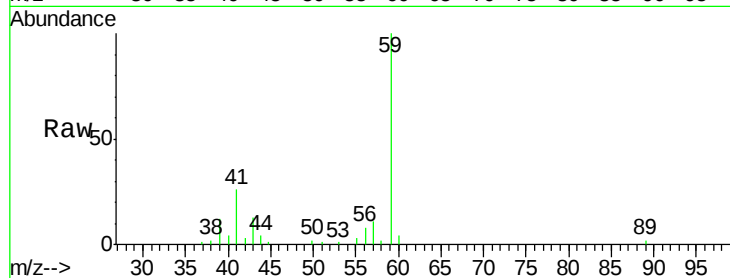
Tert butyl alcohol
 Concen: 90.590 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	59	57	Ratio	100	9.4	Resp	64901	Lower	Upper
59	100								
57		9.4						7.6	11.4

Manual Integrations
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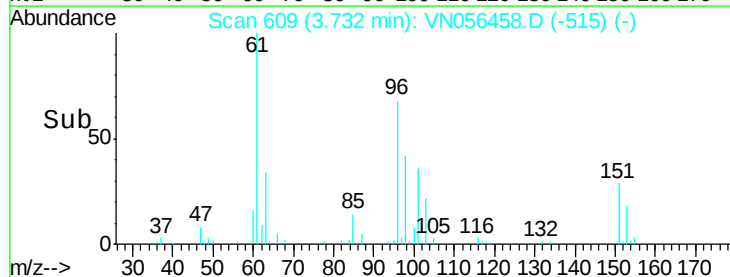
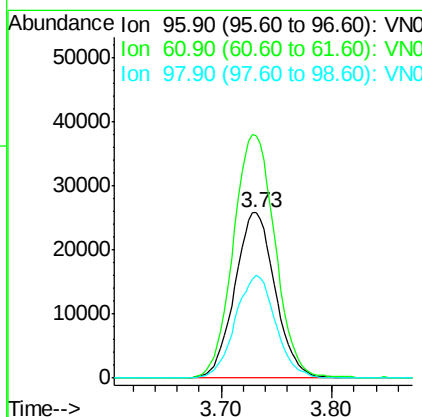
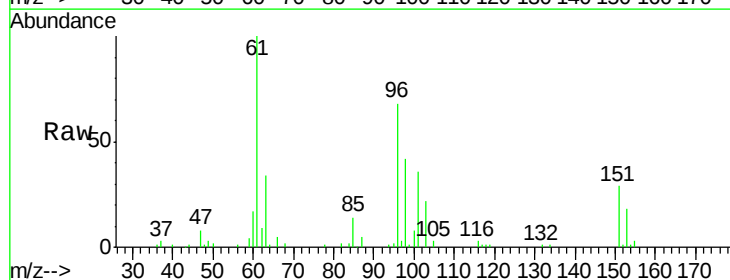
MMDadoda
 6/26/2019 8:14:26 AM

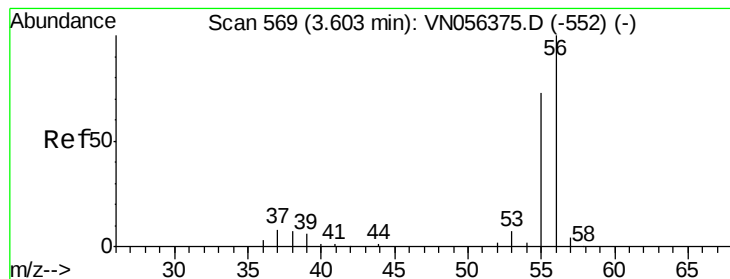


#12

1,1-Dichloroethene
 Concen: 19.253 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	96	61	98	Ratio	100	146.8	62.3	Resp	65274	Lower	Upper
96	100										
61		146.8								126.6	190.0
98		62.3								51.1	76.7





#13

Acrolein

Concen: 76.562 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 56 Resp: 46229

Ion Ratio Lower Upper

56 100

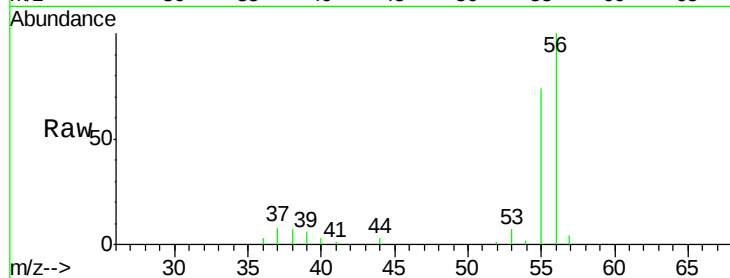
55 71.0 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

6/26/2019 8:14:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

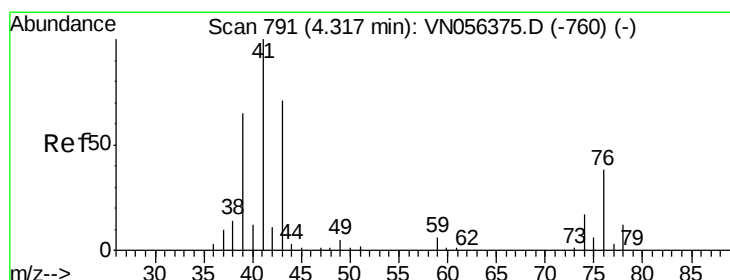
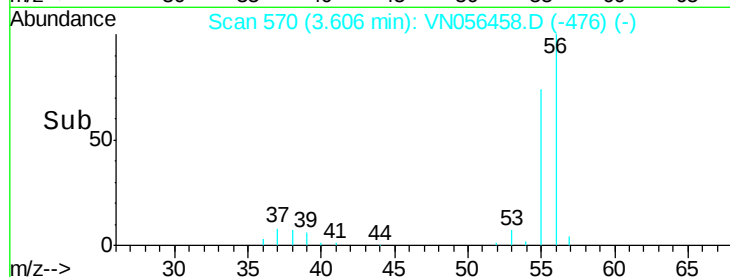
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 18.655 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

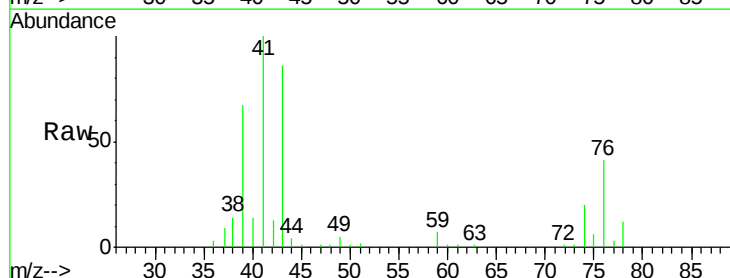
Tgt Ion: 41 Resp: 105284

Ion Ratio Lower Upper

41 100

39 62.5 48.6 73.0

76 34.8 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

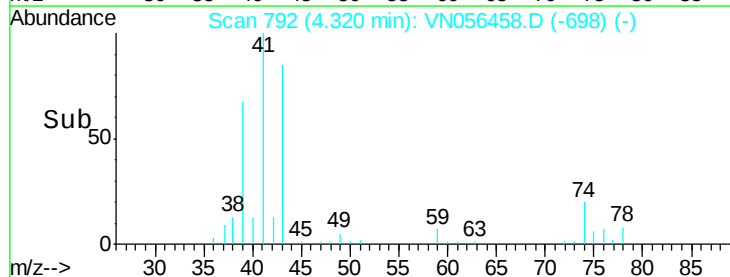
20000

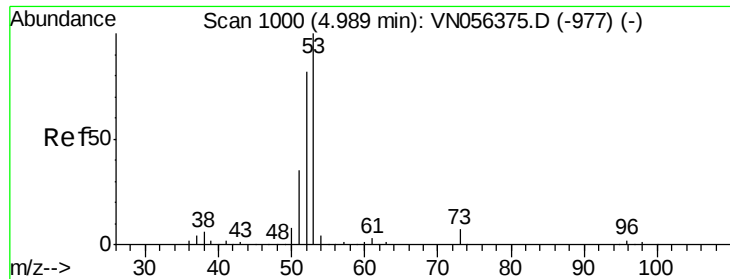
10000

0

Time-->

4.20 4.30 4.40





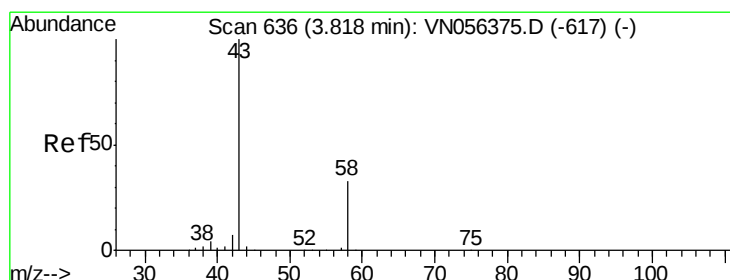
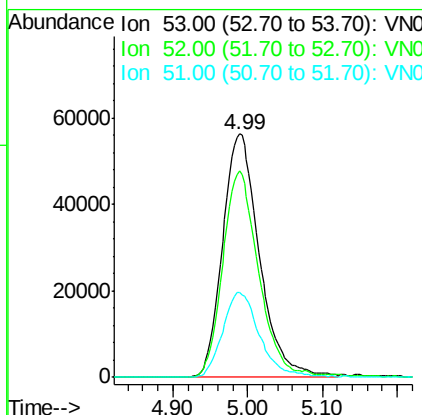
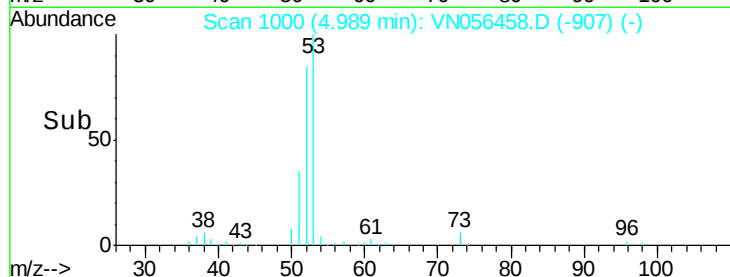
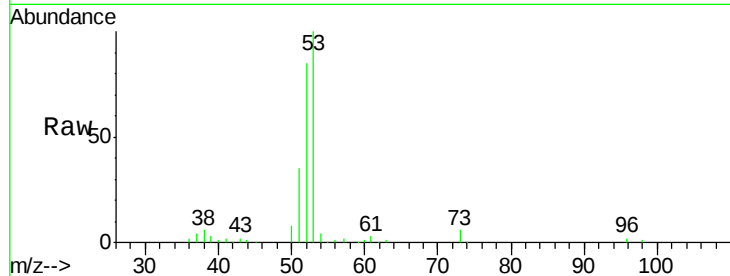
#15
 Acrylonitrile
 Concen: 96.926 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.9	98.9
51	35.1	28.3	42.5

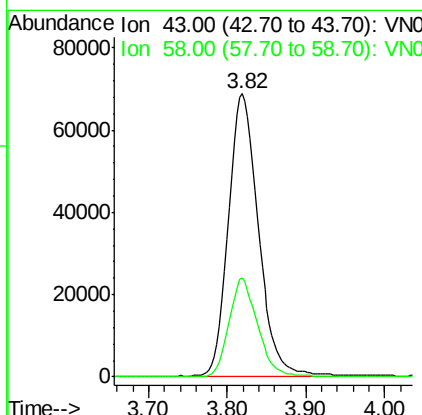
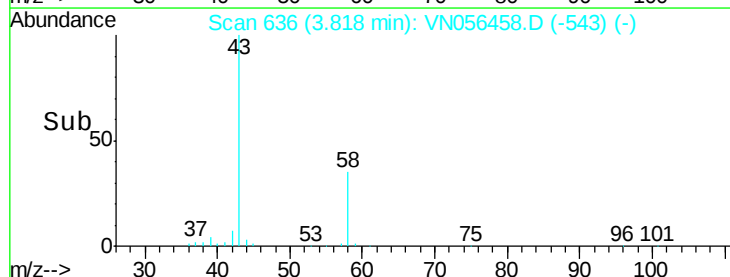
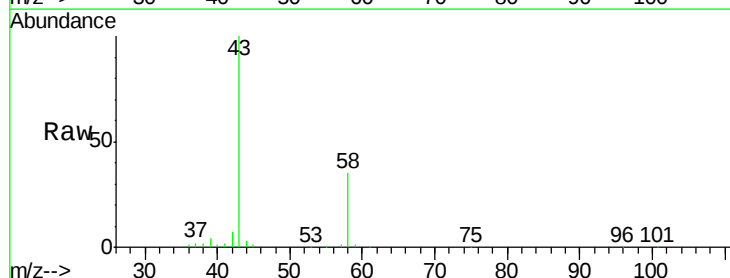
Manual Integrations
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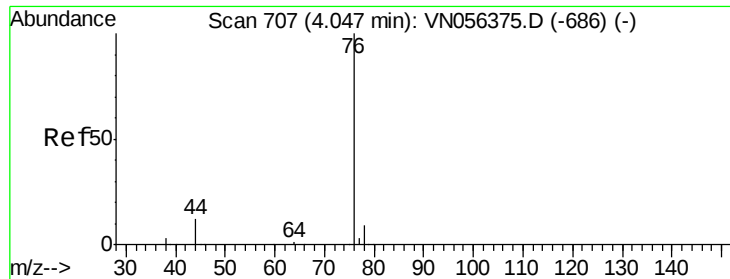
MMDadoda
 6/26/2019 8:14:26 AM



#16
 Acetone
 Concen: 85.111 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	26.4	39.6





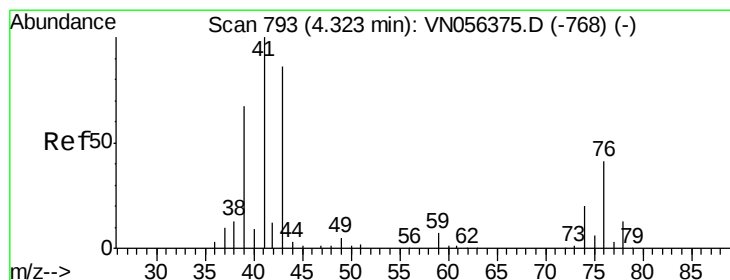
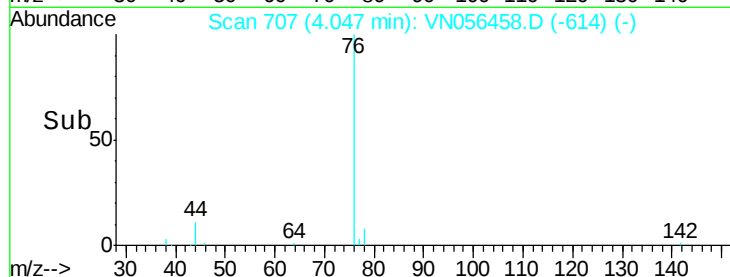
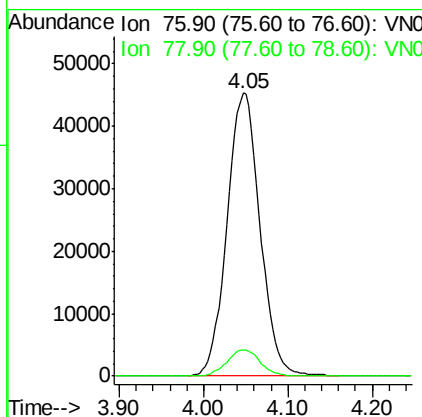
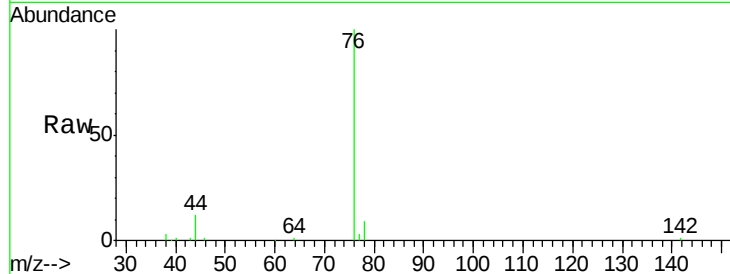
#17
Carbon Disulfide
Concen: 15.993 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

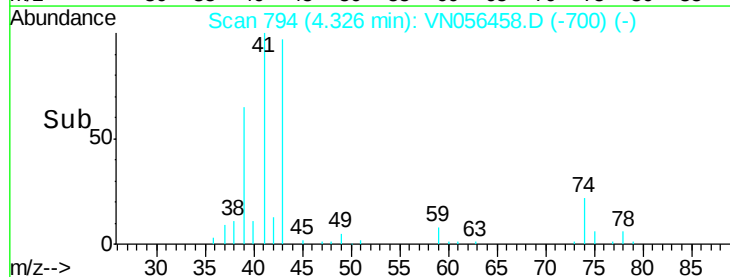
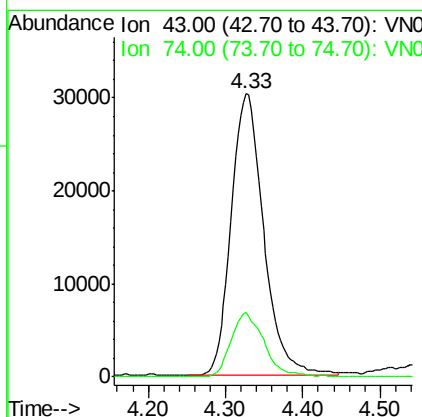
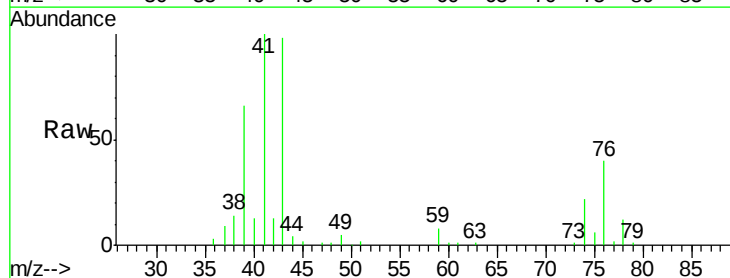
Manual Integrations
APPROVED

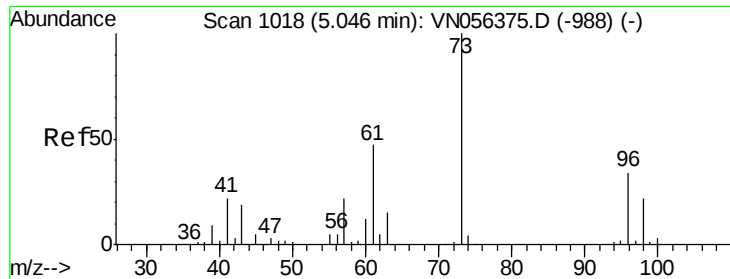
MMDadoda
6/26/2019 8:14:26 AM



#18
Methyl Acetate
Concen: 20.715 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.2	28.8





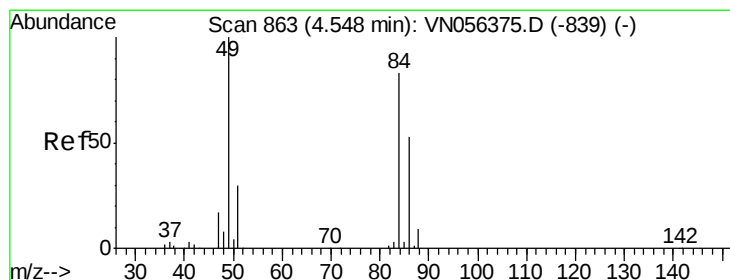
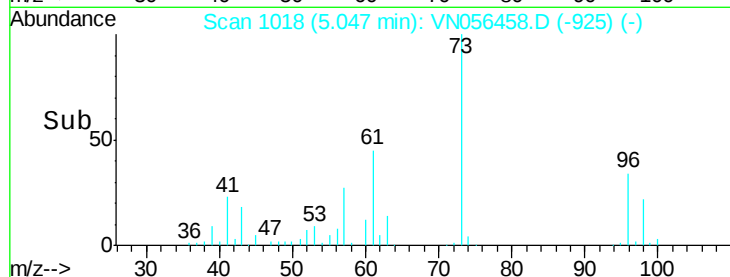
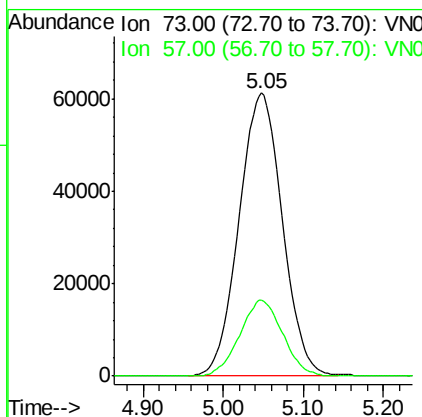
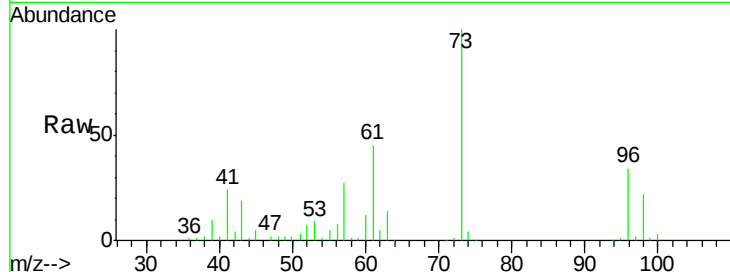
#19
Methvl tert-butvl Ether
Concen: 20.165 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampled :
VN0624MBSD01

Tot Ion: 73 Resp: 226223
Ion Ratio Lower Upper
73 100
57 26.8 17.9 26.9

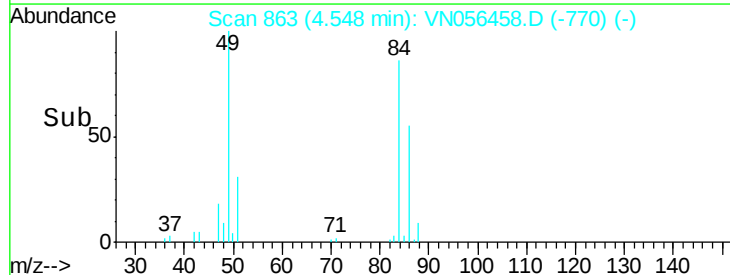
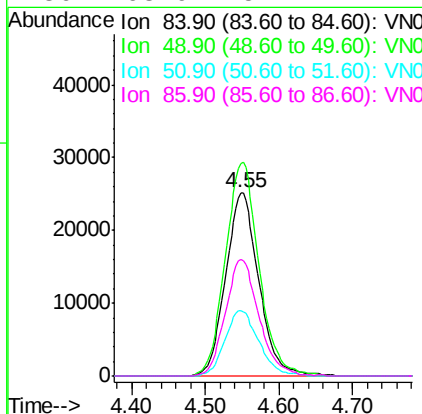
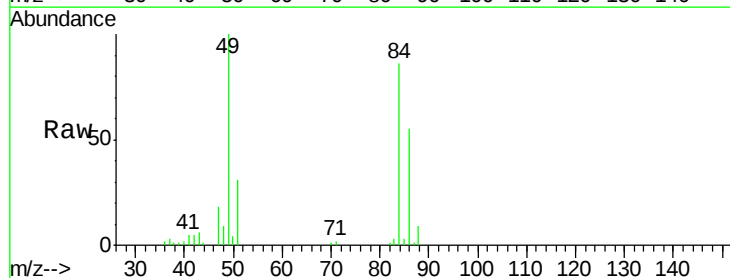
Manual Integrations
APPROVED

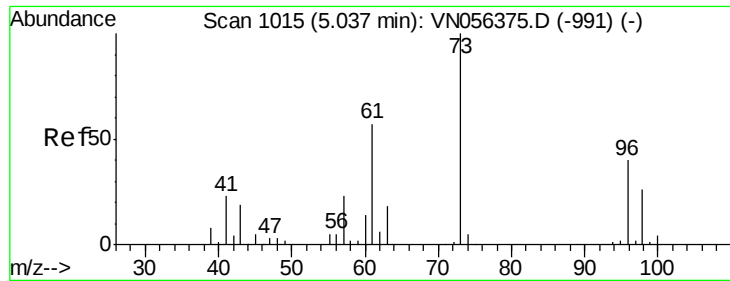
MMDadoda
6/26/2019 8:14:26 AM



#20
Methylene Chloride
Concen: 19.042 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 84 Resp: 78717
Ion Ratio Lower Upper
84 100
49 115.8 96.4 144.6
51 35.4 28.6 43.0
86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.040 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 96 Resp: 69599

Ion Ratio Lower Upper

96 100

61 133.0 113.0 169.6

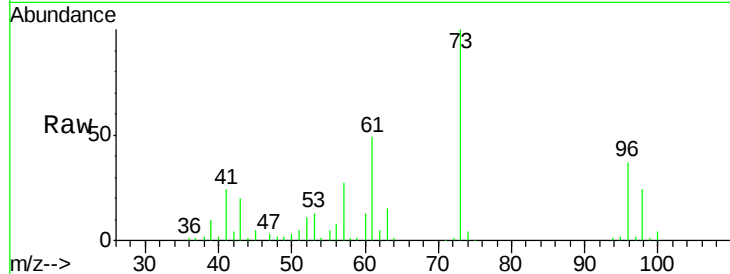
98 64.2 52.2 78.2

Manual Integrations

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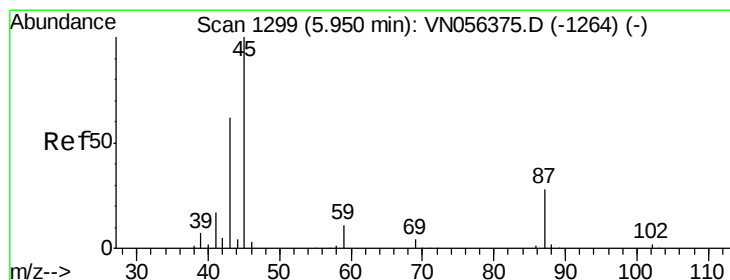
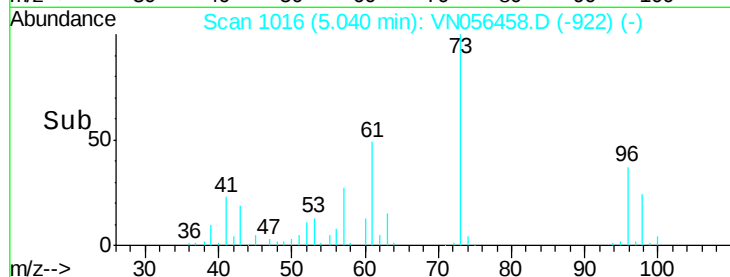
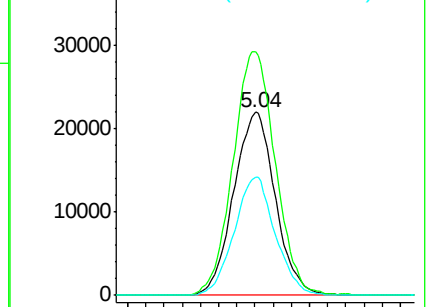
6/26/2019 8:14:26 AM



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: 19.886 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion: 45 Resp: 235700

Ion Ratio Lower Upper

45 100

43 59.4 50.4 75.6

87 27.4 23.0 34.4

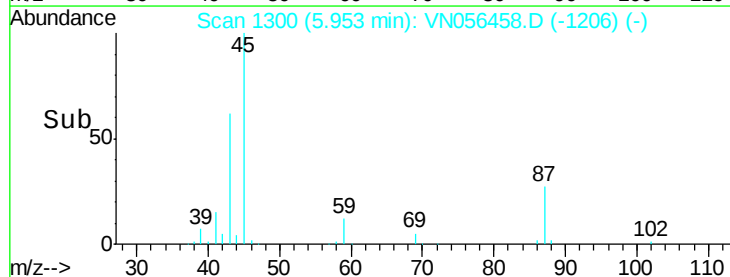
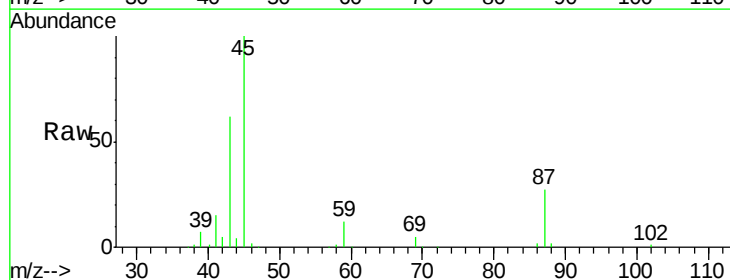
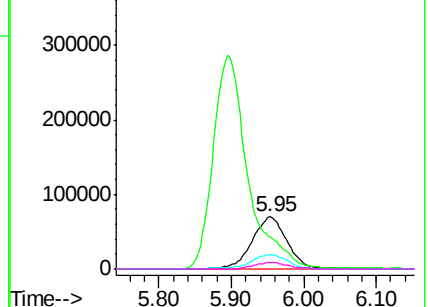
59 12.1 9.1 13.7

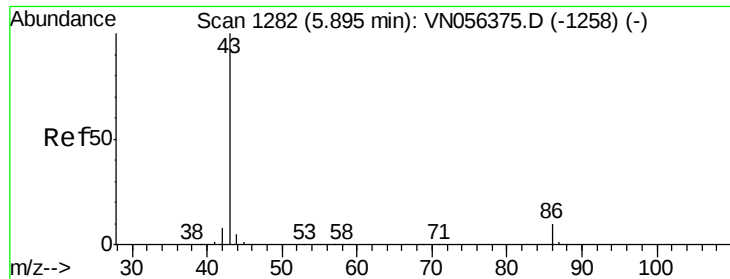
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 101.890 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 43 Resp: 952527

Ion Ratio Lower Upper

43 100

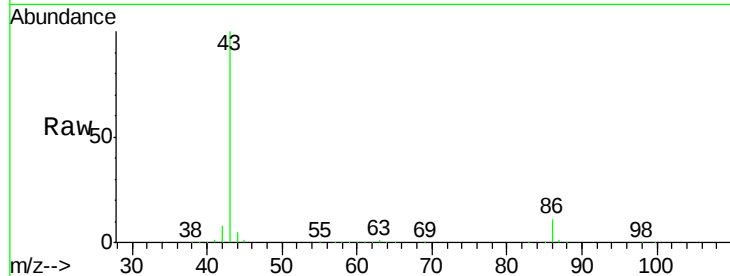
86 11.0 8.3 12.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

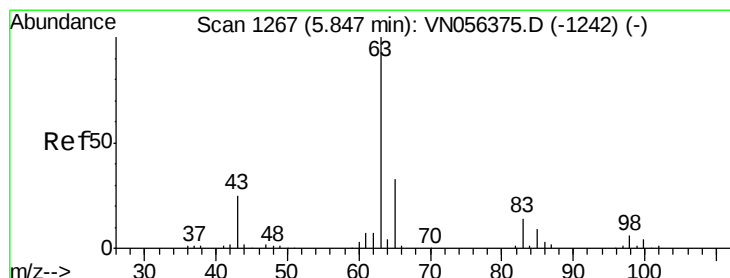
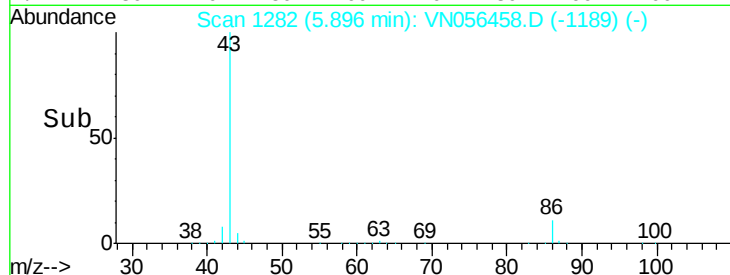
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.738 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

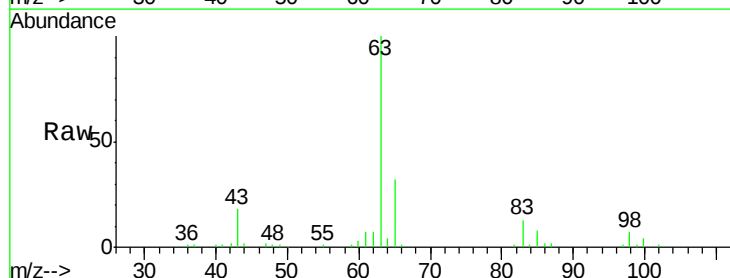
Tgt Ion: 63 Resp: 134291

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.3 2.1 6.5



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

5.85

50000

40000

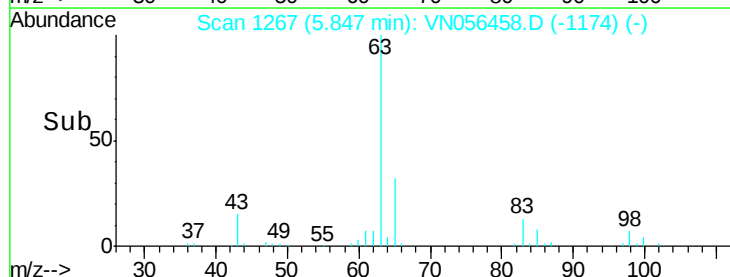
30000

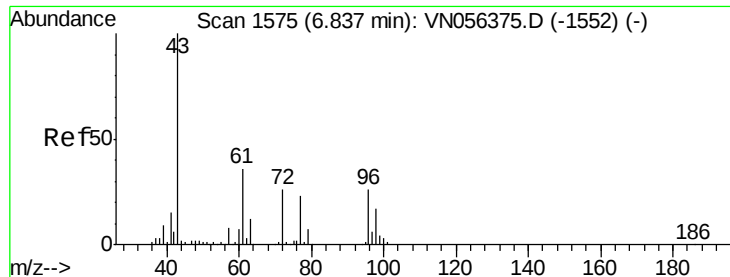
20000

10000

0

Time-->





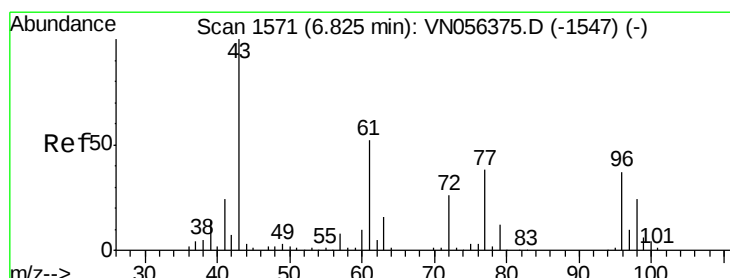
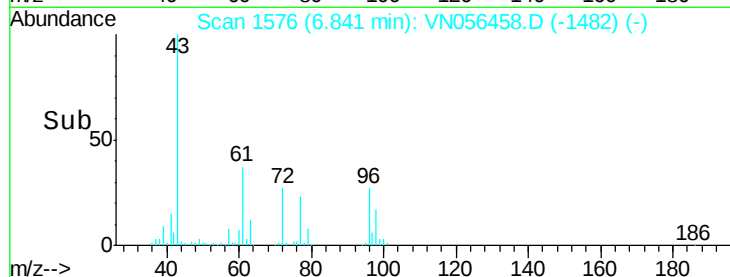
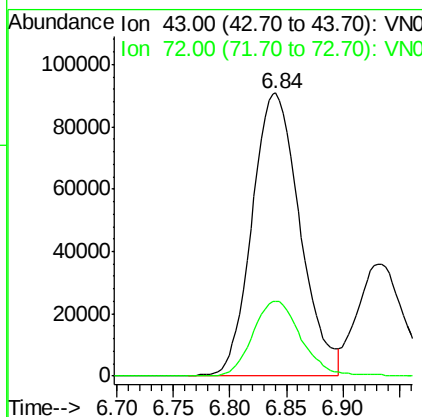
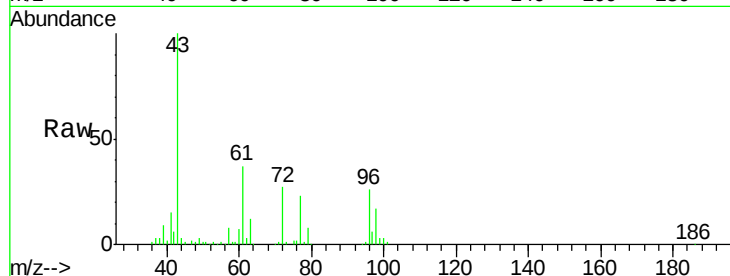
#25
2-Butanone
Concen: 94.254 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampled :
VN0624MBSD01

Tot Ion: 43 Resp: 265851
Ion Ratio Lower Upper
43 100
72 26.7 20.6 31.0

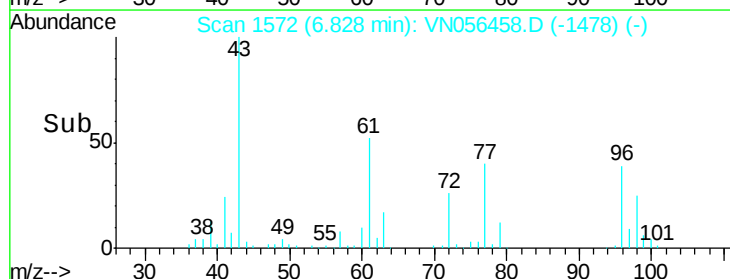
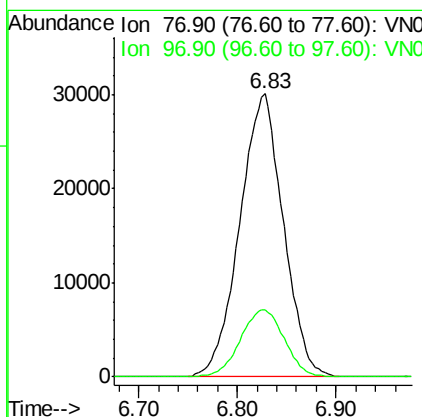
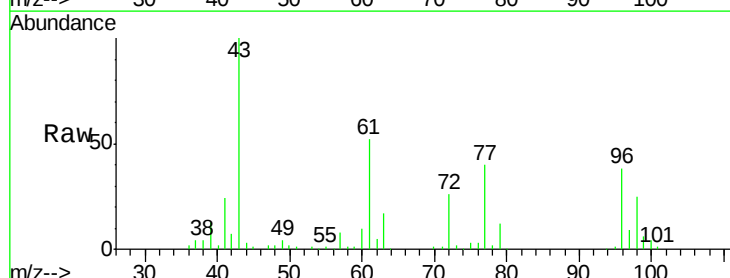
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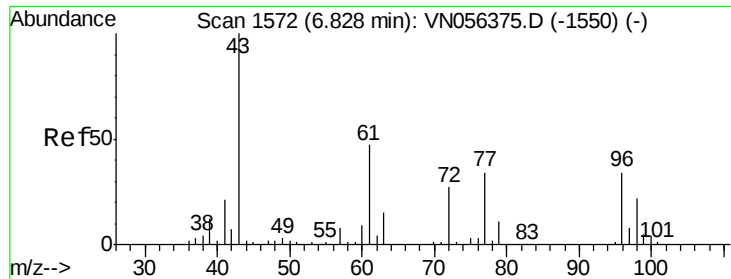
MMDadoda
6/26/2019 8:14:26 AM



#26
2,2-Dichloropropane
Concen: 19.415 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 77 Resp: 91875
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.5





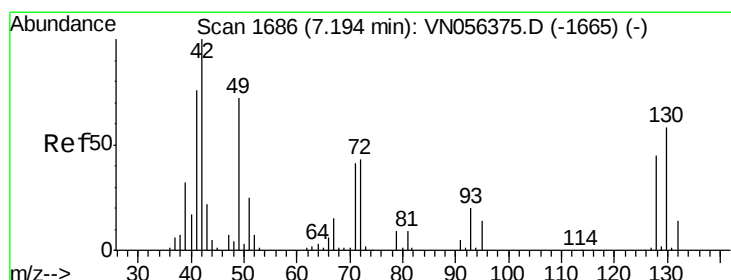
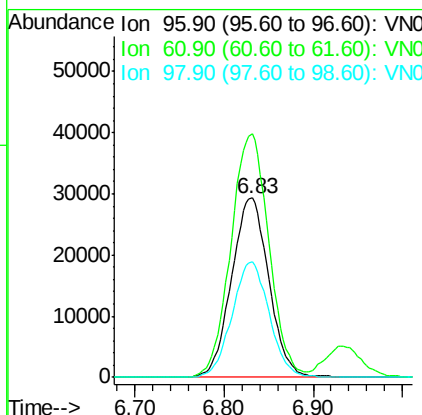
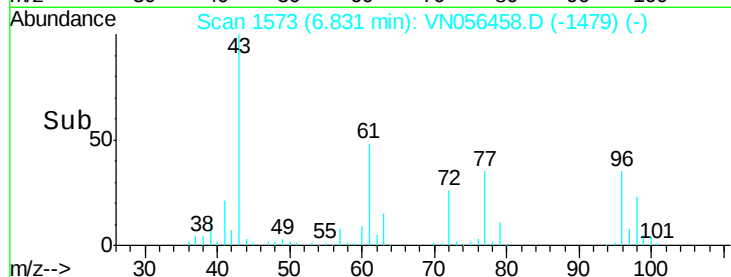
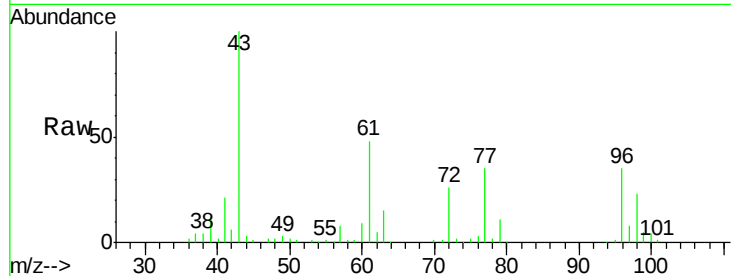
#27
 cis-1,2-Dichloroethene
 Concen: 19.938 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	85268		
61	137.9	0.0	279.8	
98	63.8	0.0	130.0	

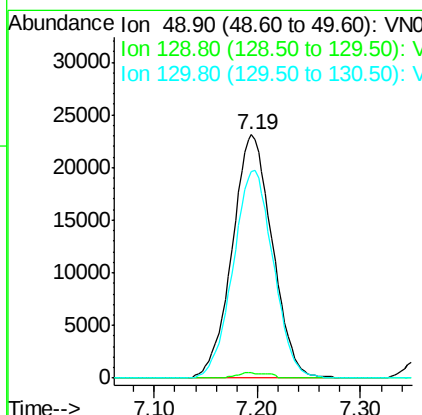
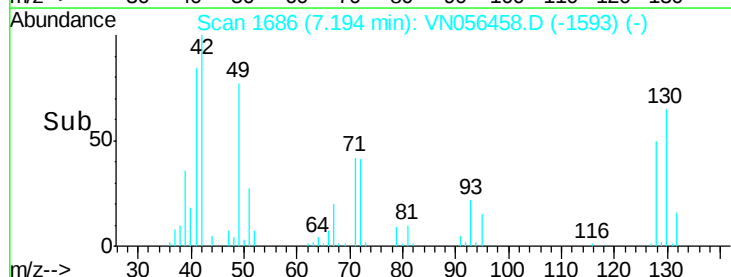
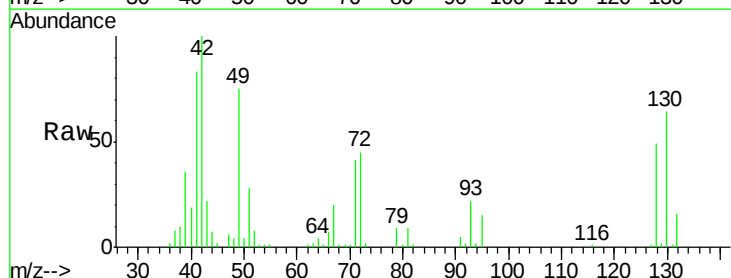
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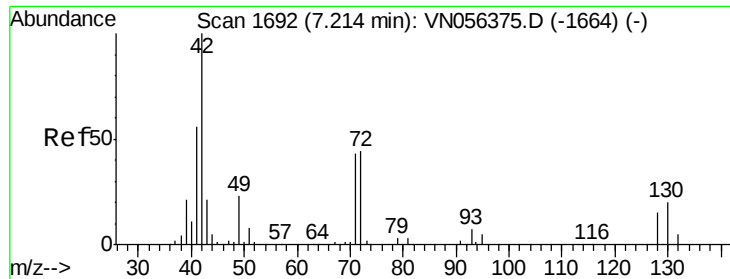
MMDadoda
 6/26/2019 8:14:26 AM



#28
 Bromochloromethane
 Concen: 18.587 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	62550		
129	1.1	0.0	4.2	
130	85.3	64.9	97.3	





#29

Tetrahydrofuran

Concen: 98.544 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

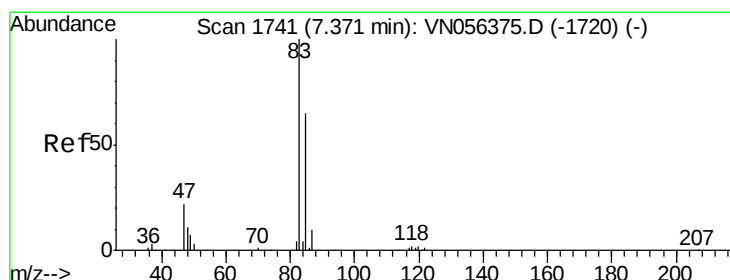
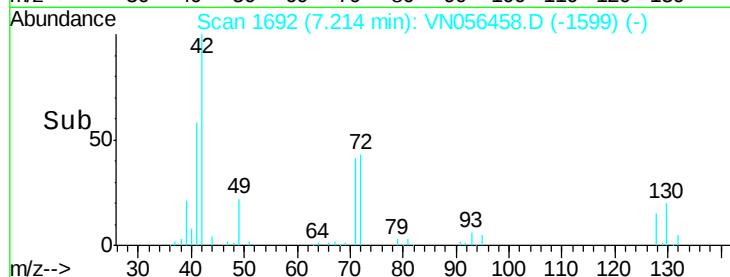
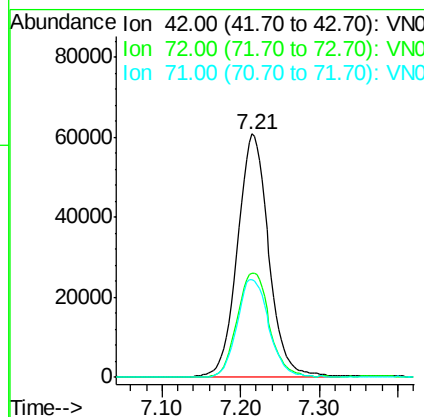
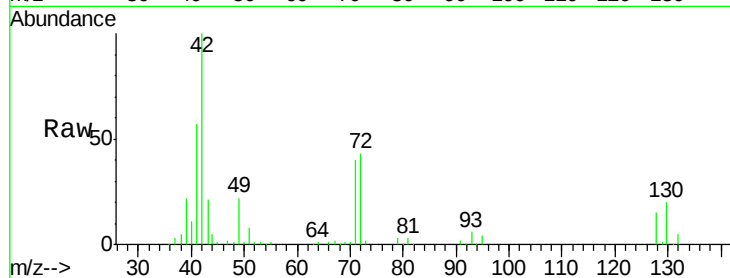
ClientSampleId :

VN0624MBSD01

Tot Ion:	42	Resp:	169856
Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.7	52.1
71	40.9	33.0	49.6

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#30

Chloroform

Concen: 19.487 ug/l

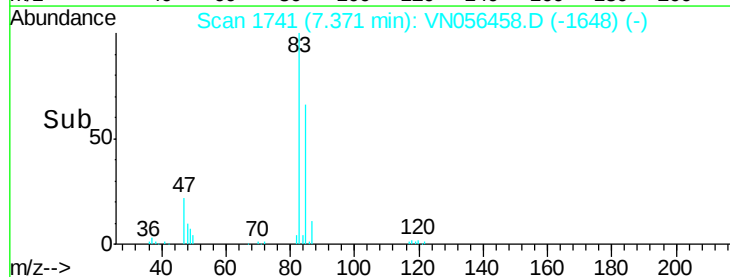
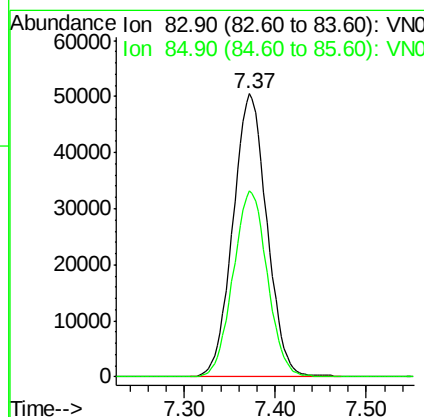
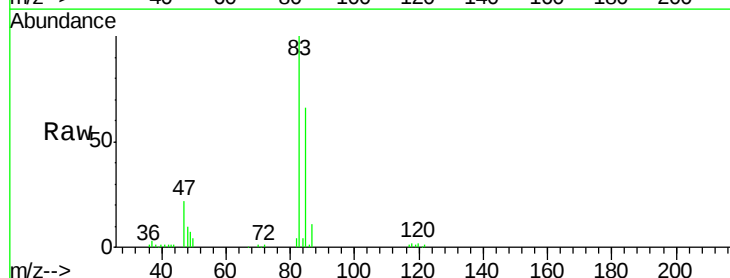
RT: 7.37 min Scan# 1741

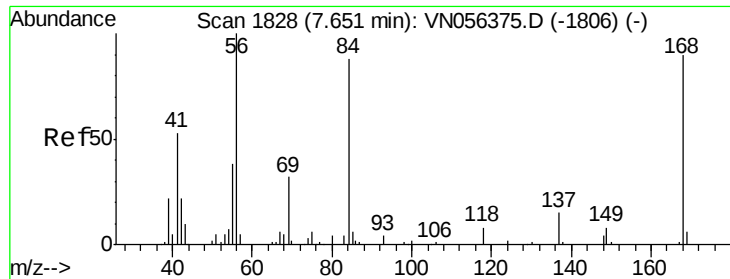
Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion:	83	Resp:	130828
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.3	78.5





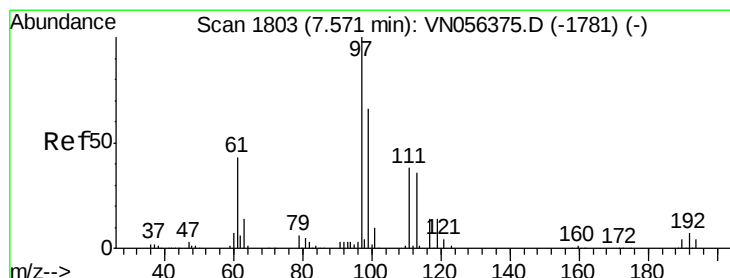
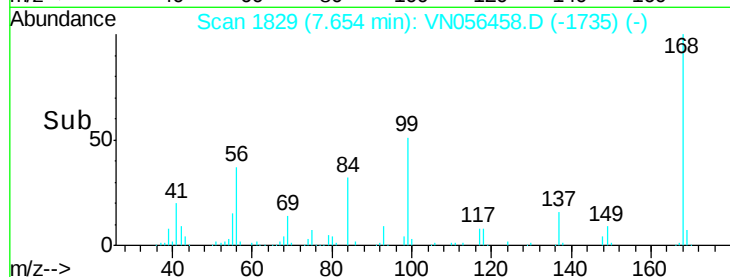
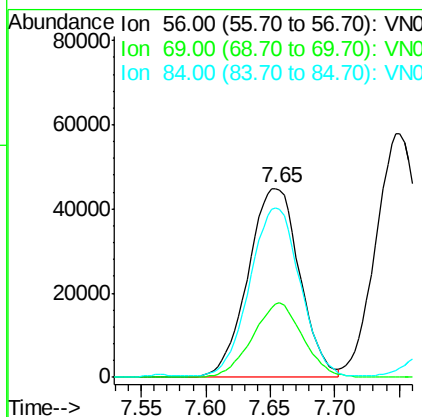
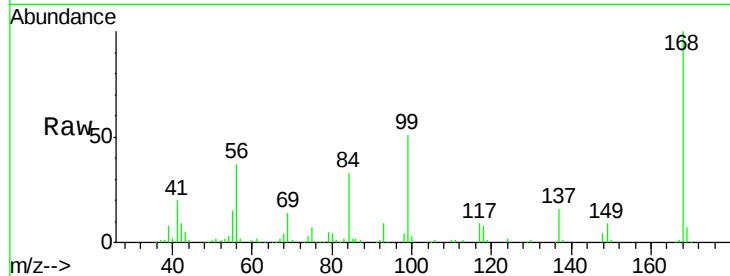
#31
Cyclohexane
Concen: 19.024 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	25.8	38.6#
84	88.8	69.4	104.0

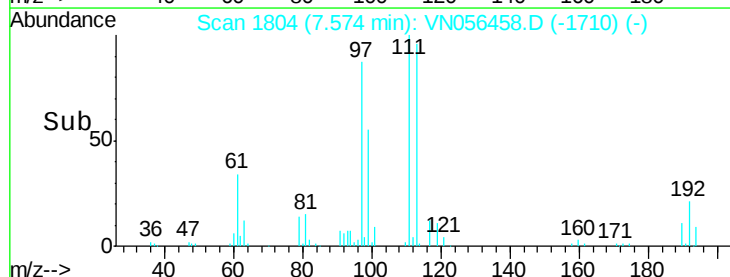
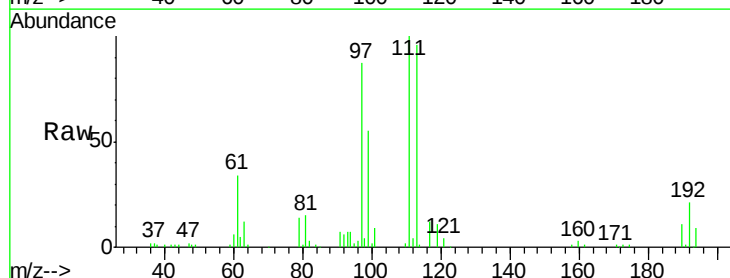
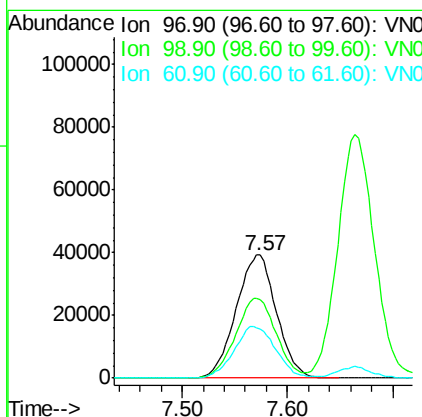
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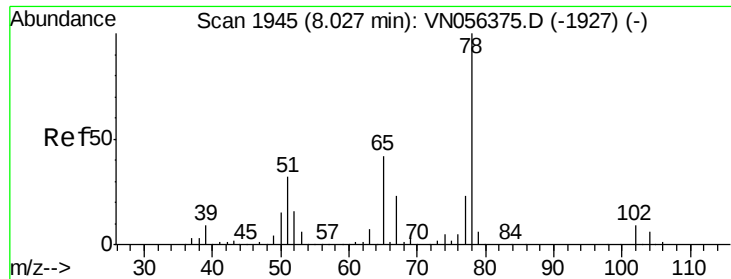
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#32
1,1,1-Trichloroethane
Concen: 19.582 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.6
61	43.1	33.9	50.9





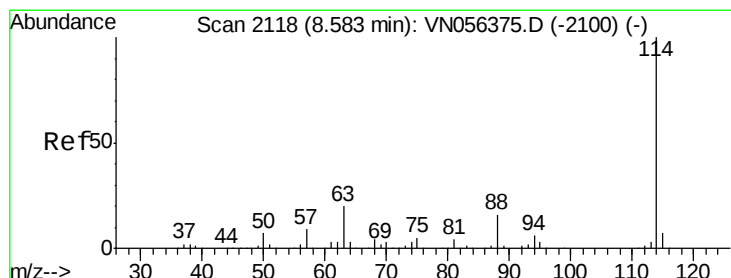
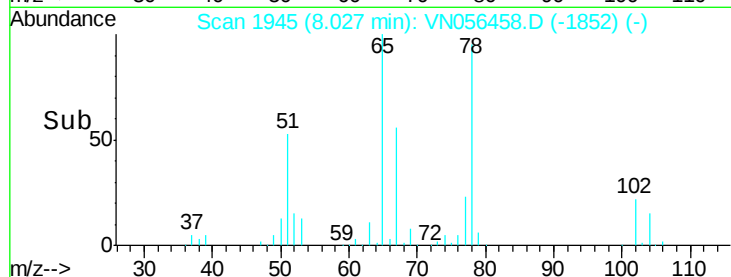
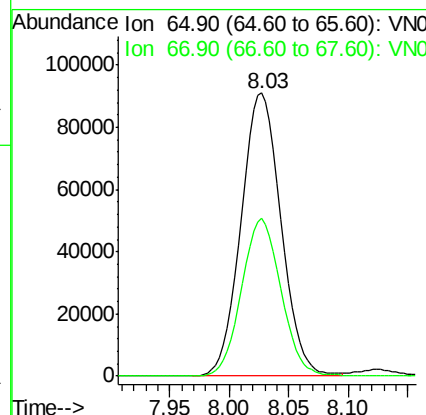
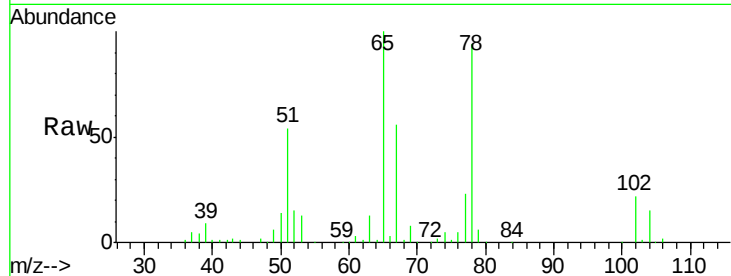
#33
 1,2-Dichloroethane-d4
 Concen: 49.848 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0624MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212035		
67	55.0	0.0	109.0	

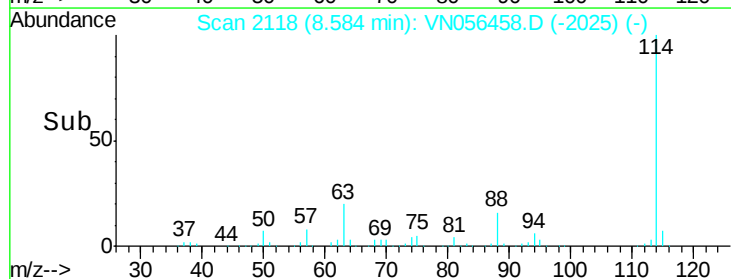
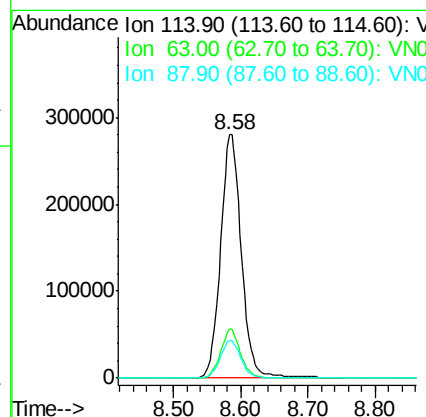
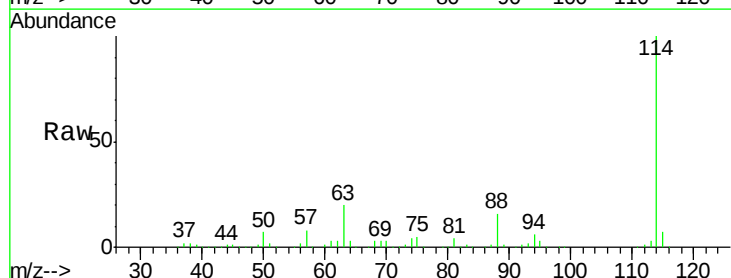
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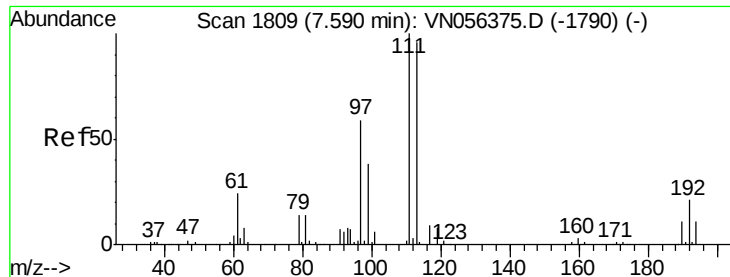
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	606015		
63	19.9	0.0	39.2	
88	15.6	0.0	31.4	





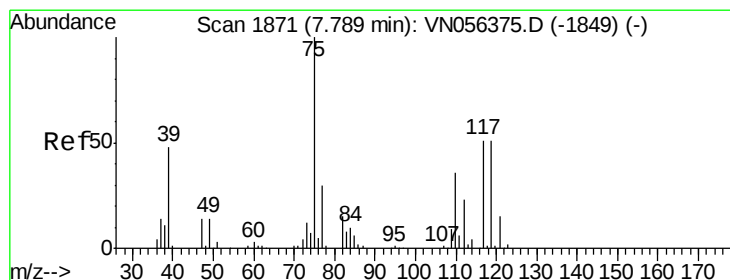
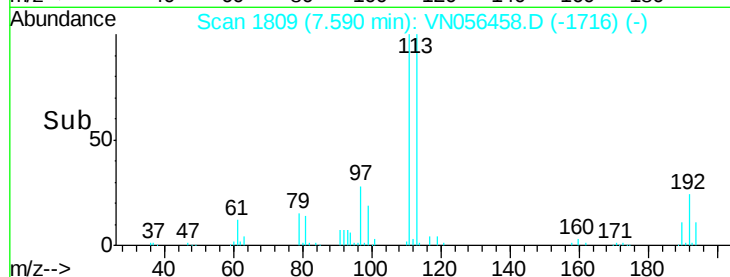
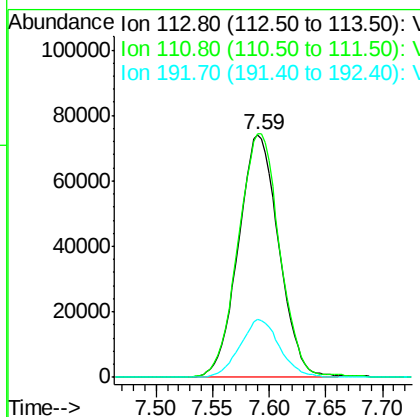
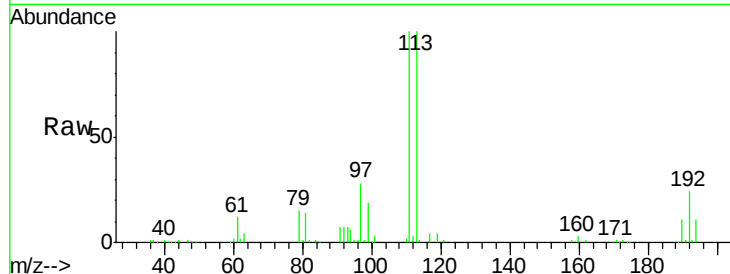
#35
 Dibromofluoromethane
 Concen: 48.815 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184545		
111	102.8	82.9	124.3	
192	23.3	17.7	26.5	

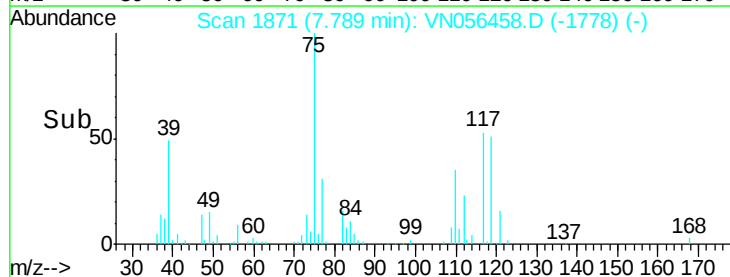
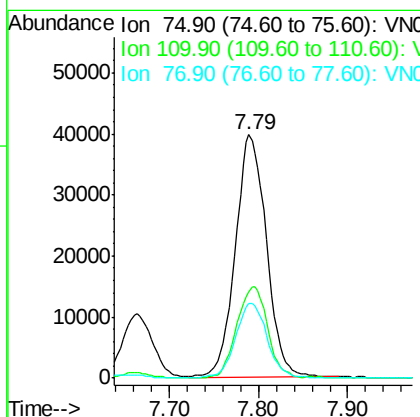
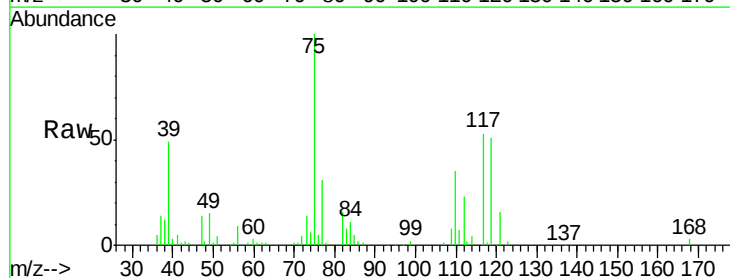
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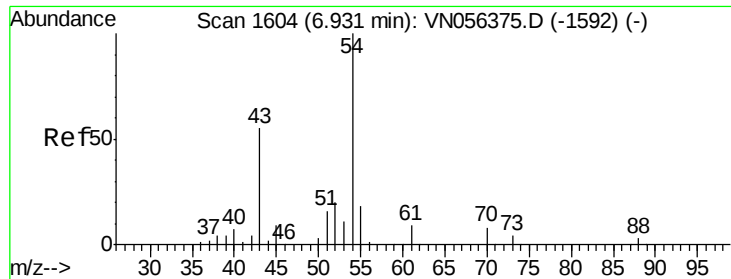
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#36
 1,1-Dichloropropene
 Concen: 18.066 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96364		
110	37.3	18.1	54.3	
77	31.3	24.6	36.8	





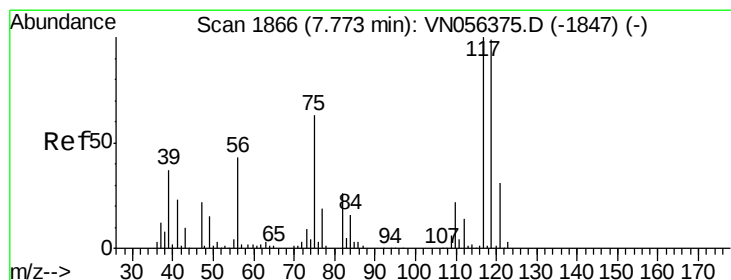
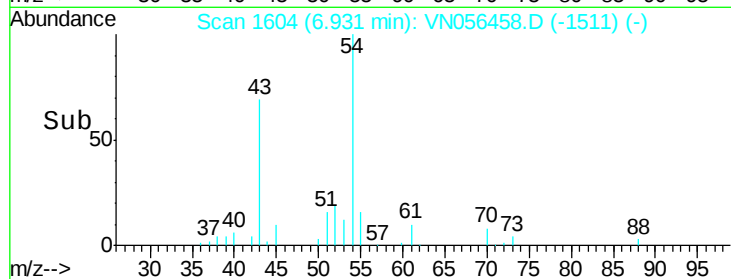
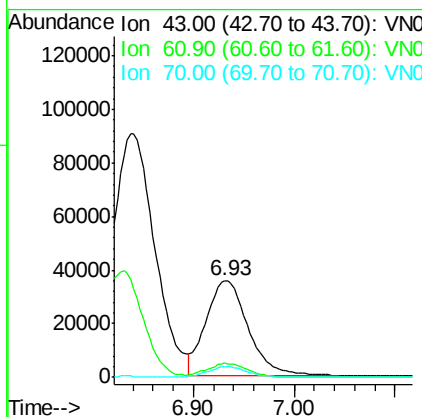
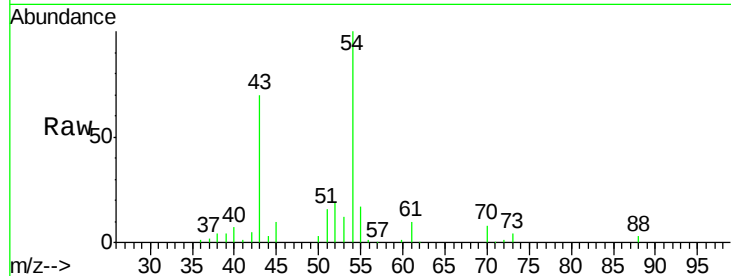
#37
Ethyl Acetate
Concen: 19.666 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.1	16.7
70	10.6	8.3	12.5

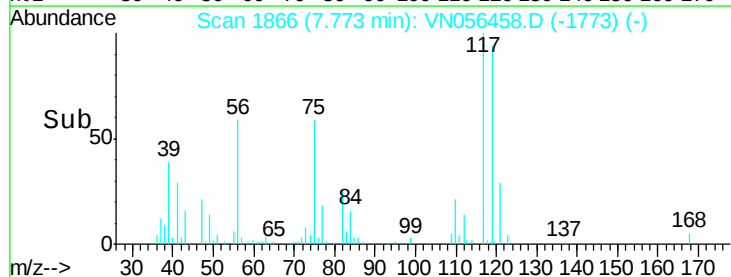
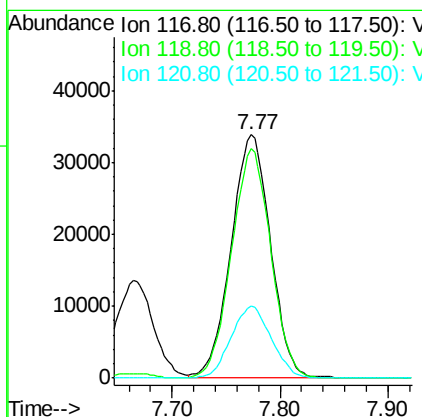
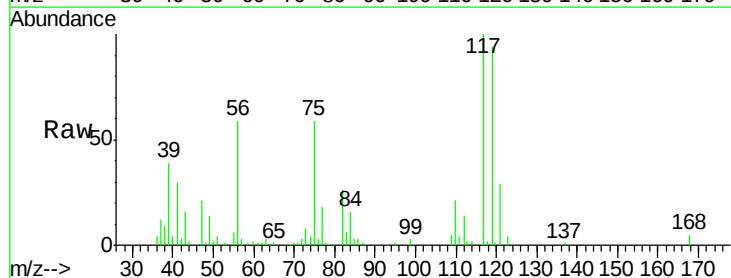
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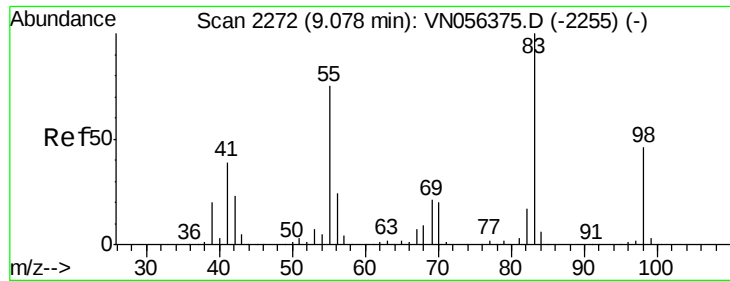
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#38
Carbon Tetrachloride
Concen: 18.514 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	79.1	118.7
121	29.5	24.8	37.2





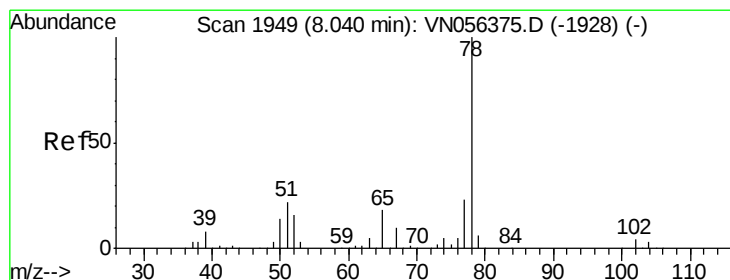
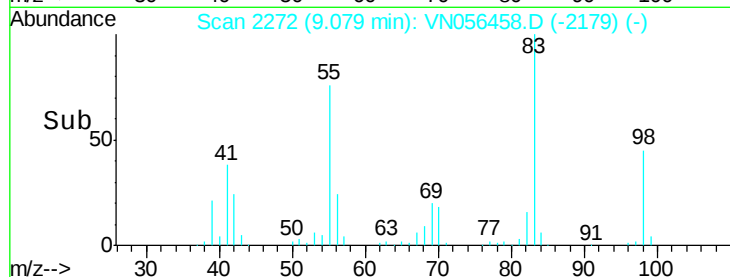
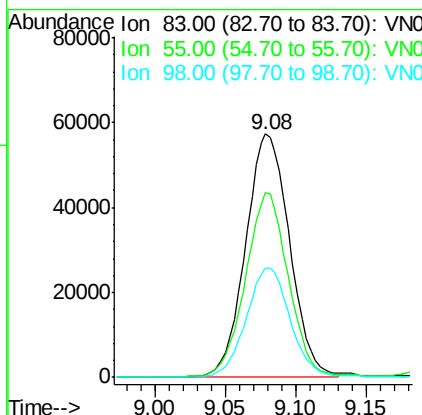
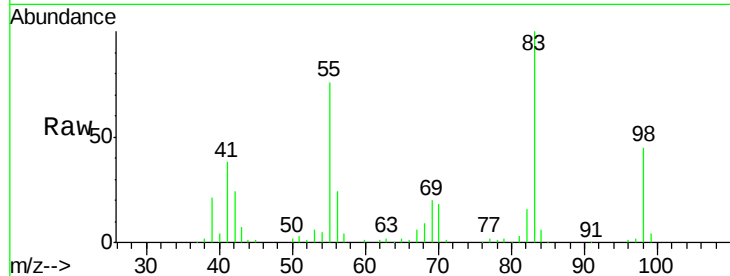
#39
Methvlcvclohexane
Concen: 19.013 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125139		
55	75.2	60.0	90.0	
98	44.6	36.6	54.8	

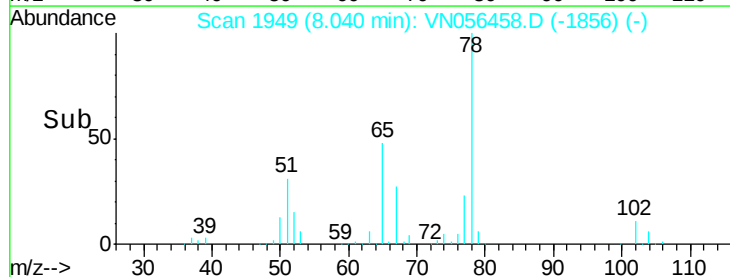
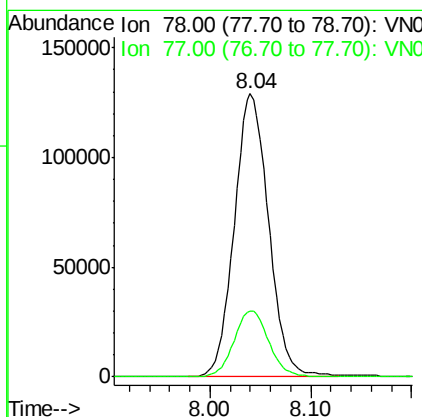
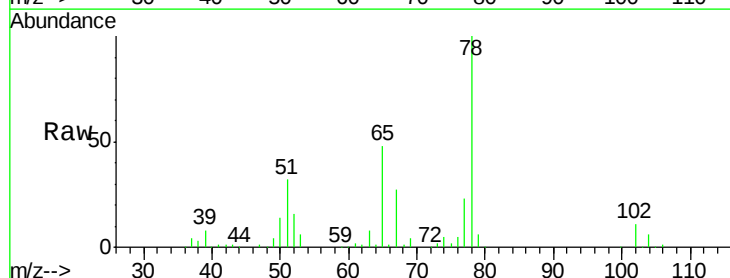
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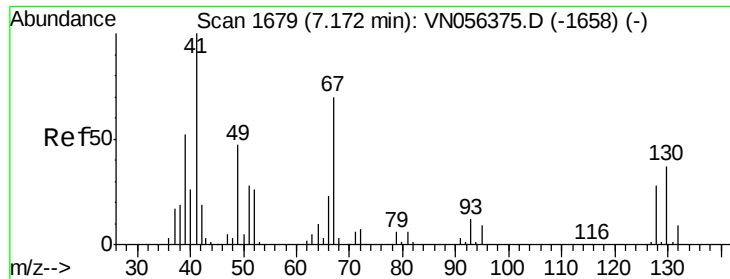
MMDadoda
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#40
Benzene
Concen: 18.590 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	305007		
77	23.4	18.3	27.5	





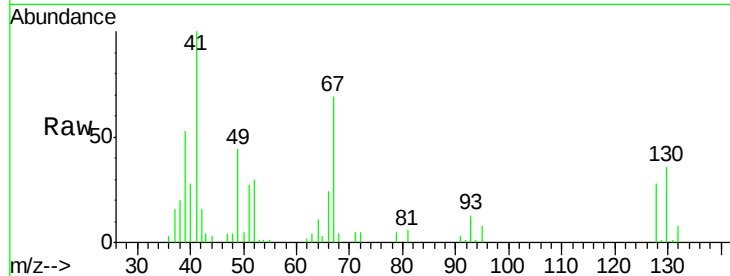
#41
Methacrylonitrile
Concen: 19.675 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	55.3	82.9#
67	92.7	79.2	118.8
52	36.3	31.4	47.0

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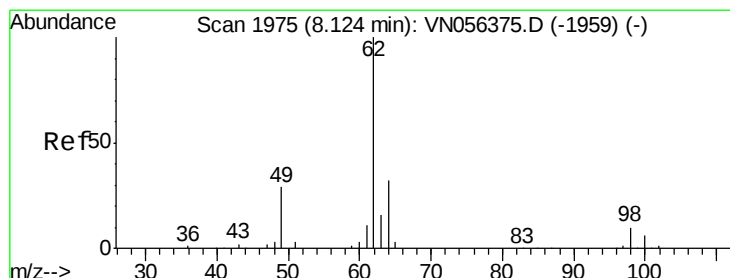
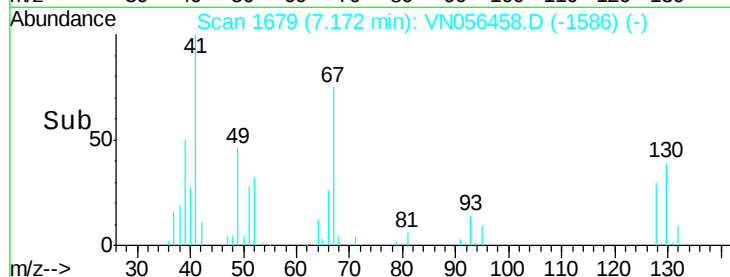
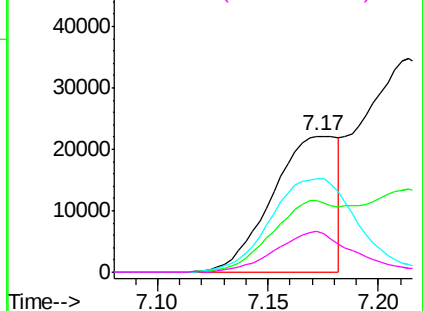
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

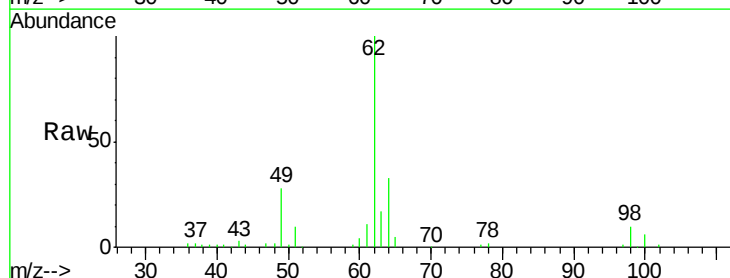
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 18.395 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

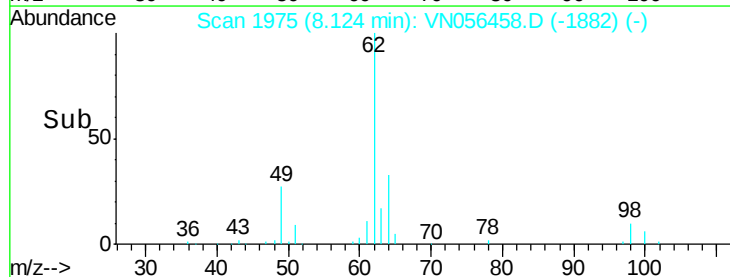
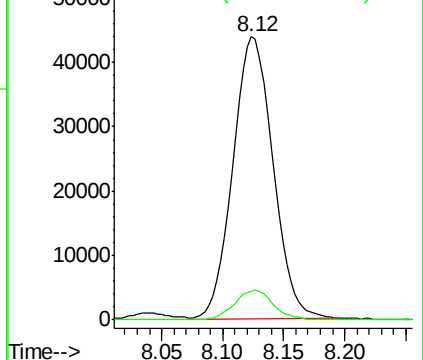
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4

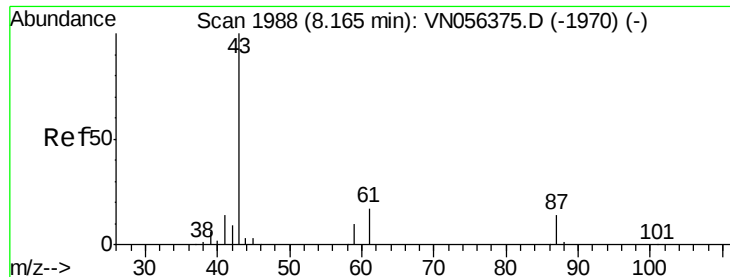


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.436 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

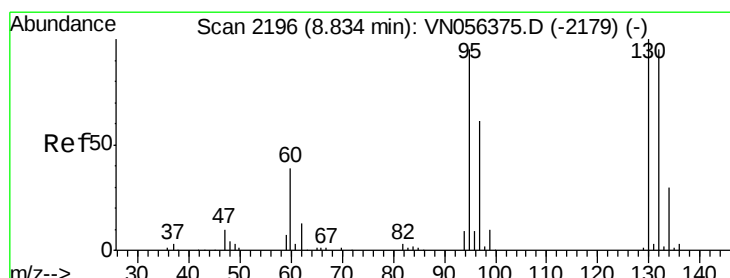
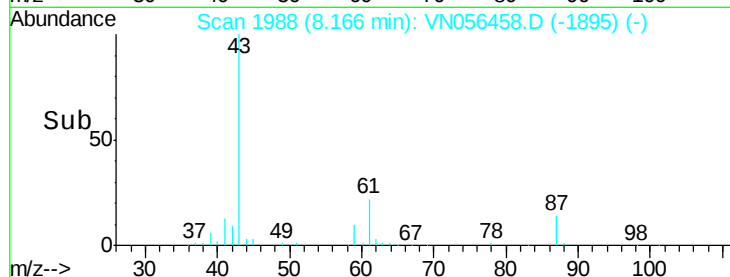
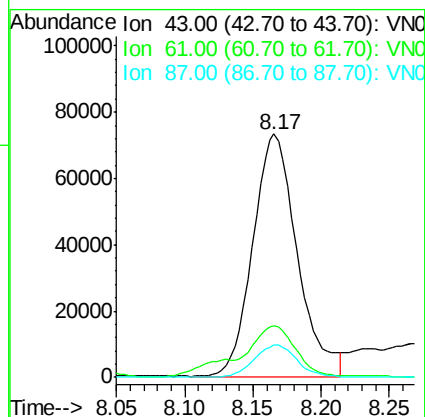
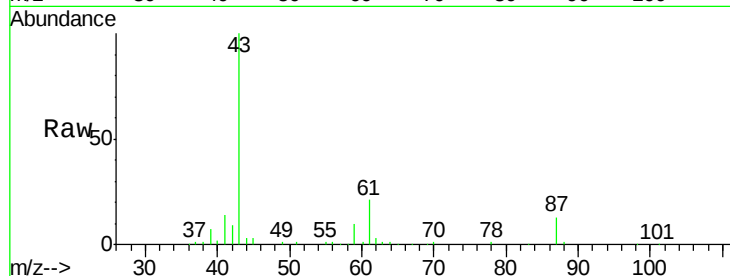
ClientSampleId :

VN0624MBSD01

Tot Ion:	43	Resp:	165182
Ion	Ratio	Lower	Upper
43	100		
61	19.7	22.0	33.0#
87	12.9	11.0	16.4

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#44

Trichloroethene

Concen: 18.893 ug/l

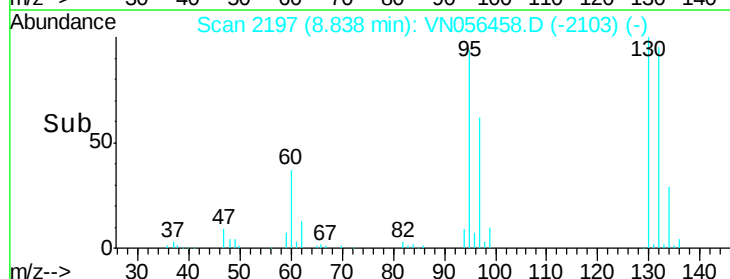
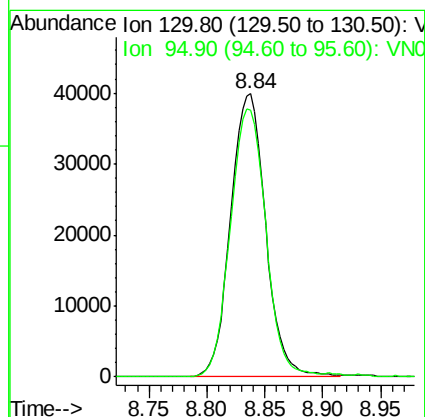
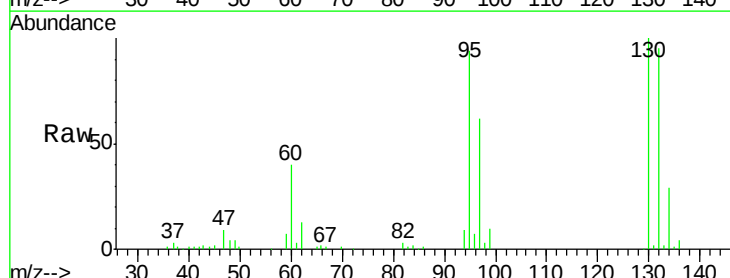
RT: 8.84 min Scan# 2197

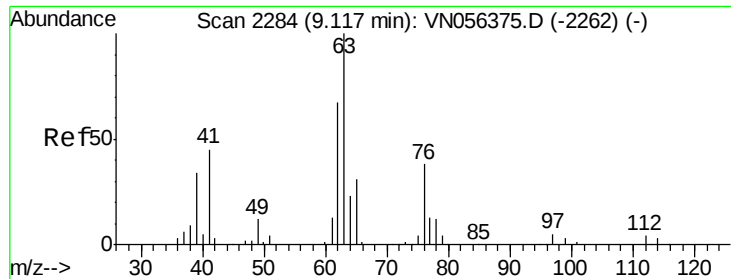
Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion:	130	Resp:	83501
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	191.0





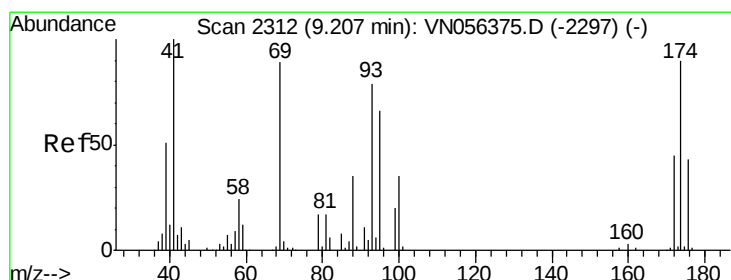
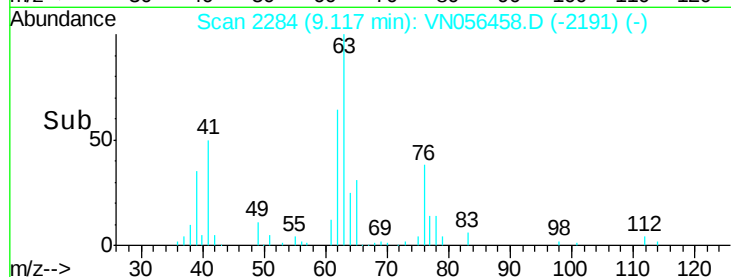
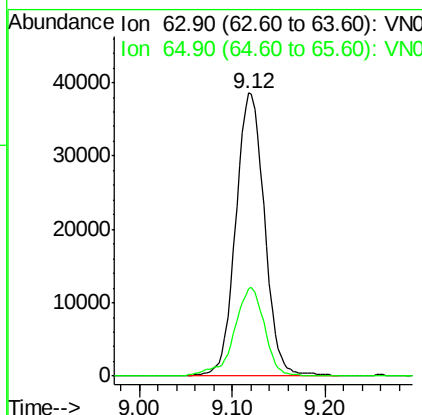
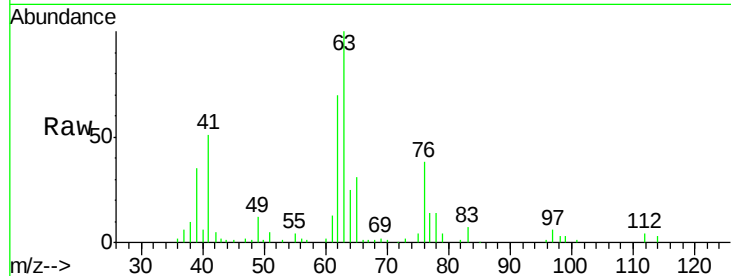
#45
 1,2-Dichloropropane
 Concen: 18.954 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion: 63 Resp: 83170
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

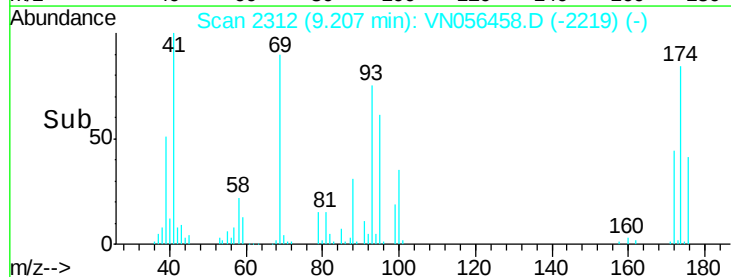
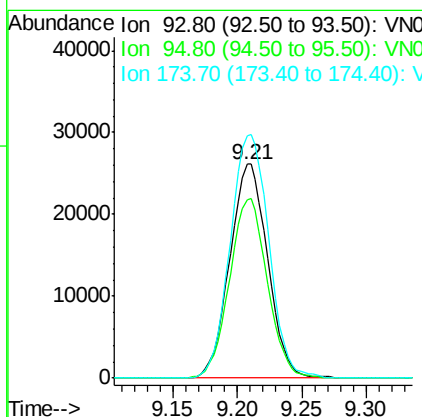
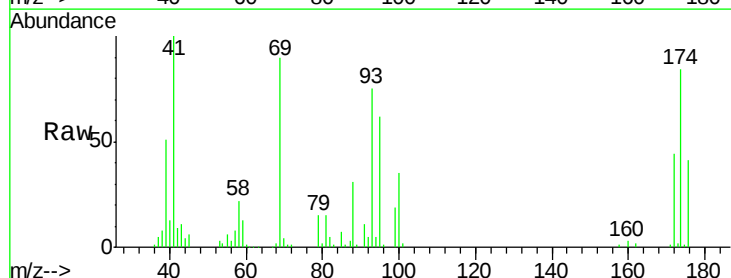
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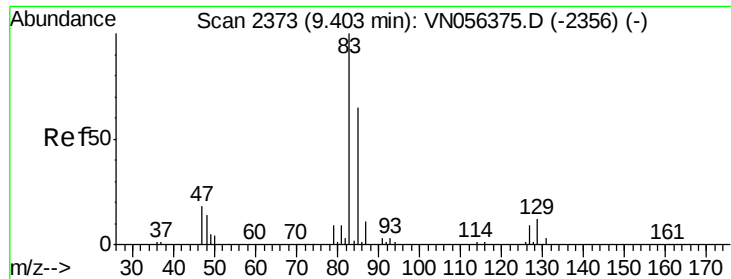
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#46
 Dibromomethane
 Concen: 19.466 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 93 Resp: 53439
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.2 99.2
 174 115.8 90.8 136.2





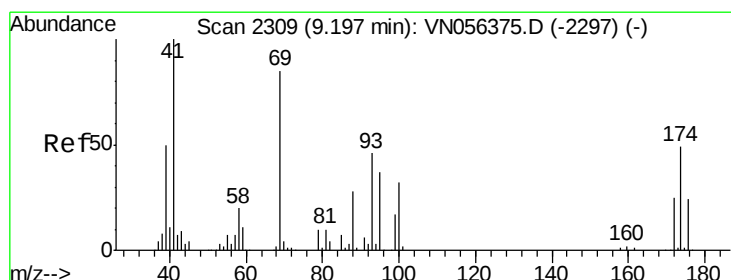
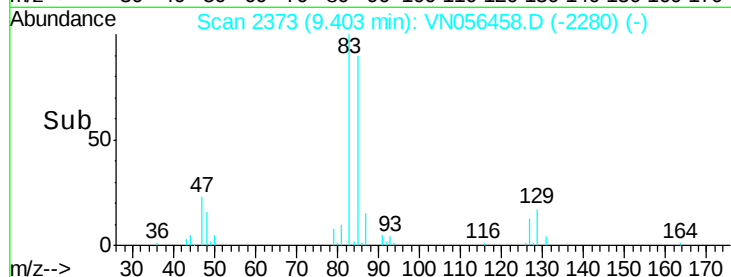
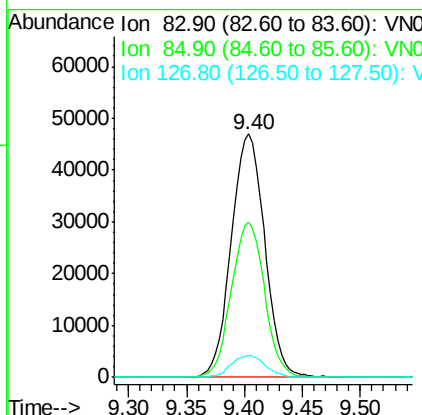
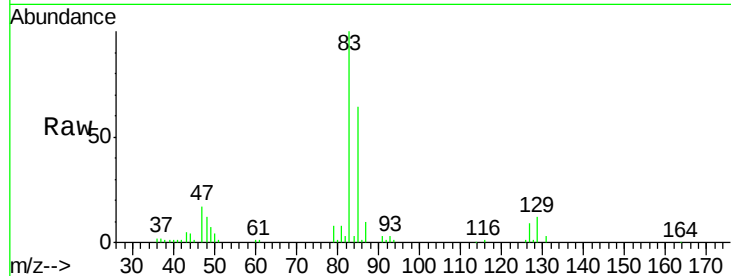
#47
Bromodichloromethane
Concen: 19.411 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	83	Resp	94510
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	52.2	78.4
127	8.9	7.3	10.9

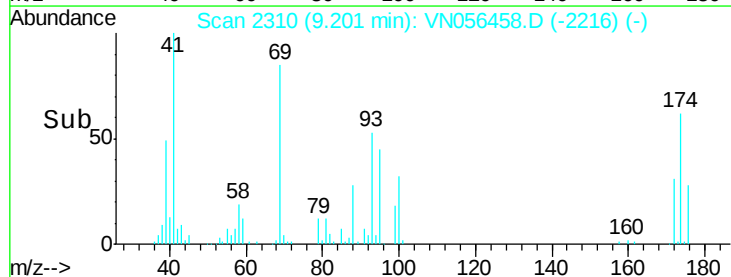
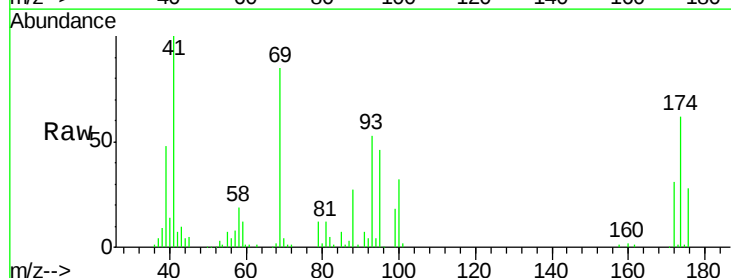
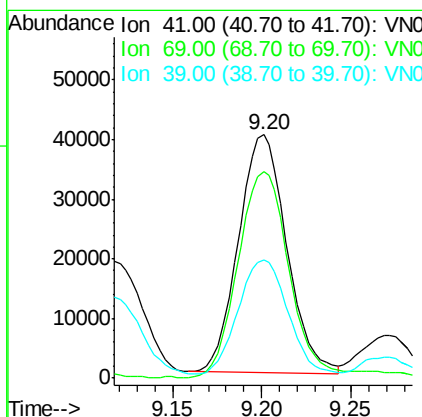
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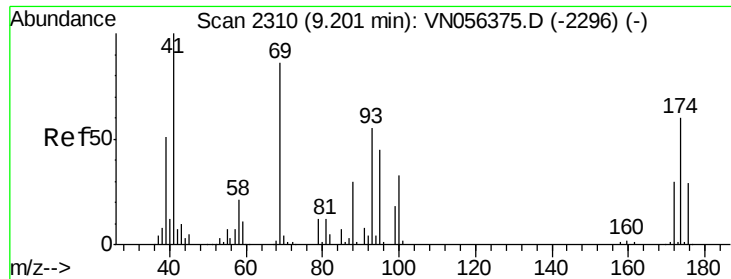
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#48
Methyl methacrylate
Concen: 18.664 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	41	Resp	75600
Ion Ratio	100	Lower	Upper
41	100		
69	92.0	72.6	109.0
39	52.1	42.6	63.8





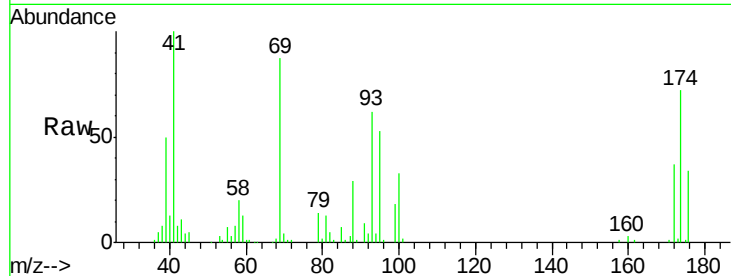
#49
1,4-Dioxane
Concen: 337.519 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.4	22.0	33.0
58	63.2	51.8	77.8

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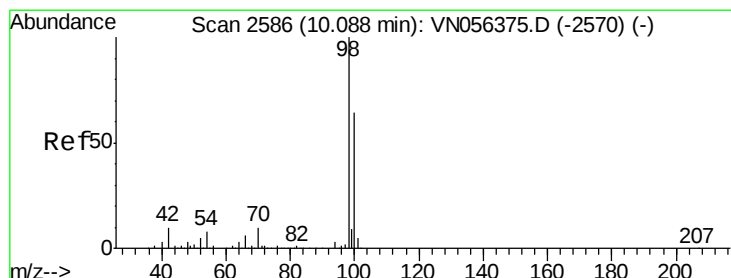
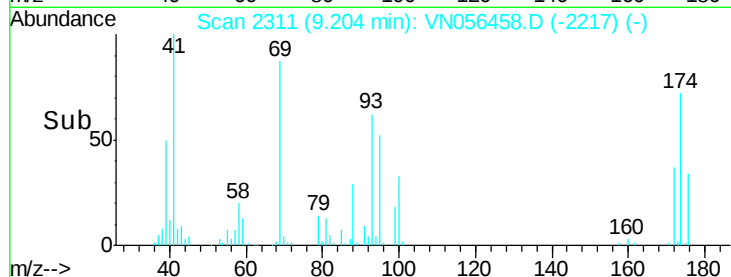
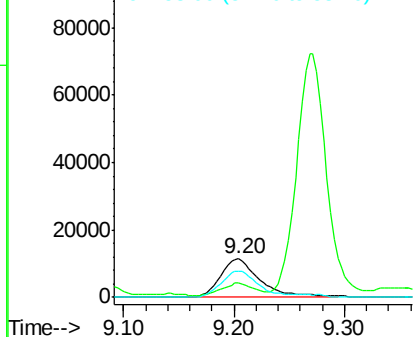


Abundance

Ion 88.00 (87.70 to 88.70): VN056375.D (-2296) (-)

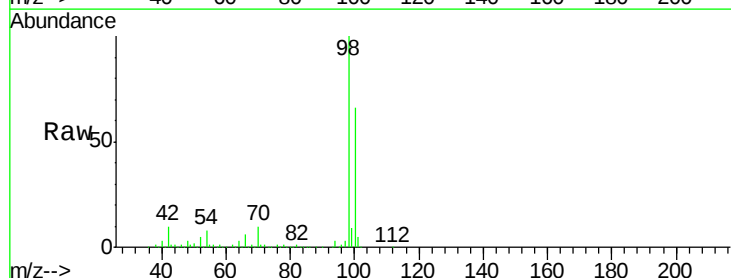
Ion 43.00 (42.70 to 43.70): VN056375.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-2296) (-)



#50
Toluene-d8
Concen: 47.661 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

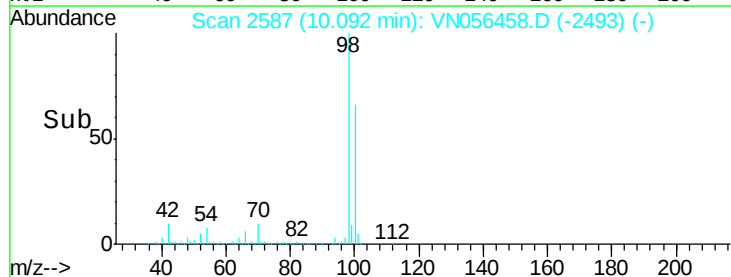
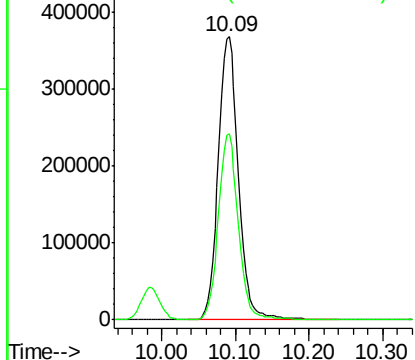
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.2

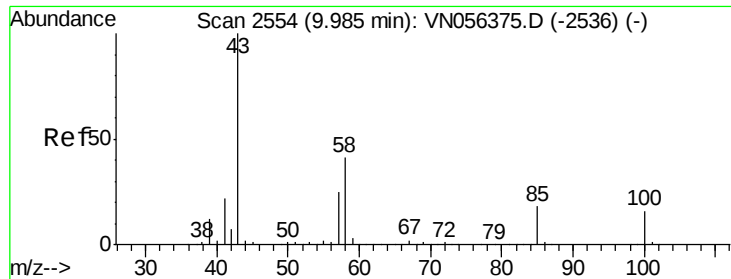


Abundance

Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056375.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 96.068 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 43 Resp: 501191

Ion Ratio Lower Upper

43 100

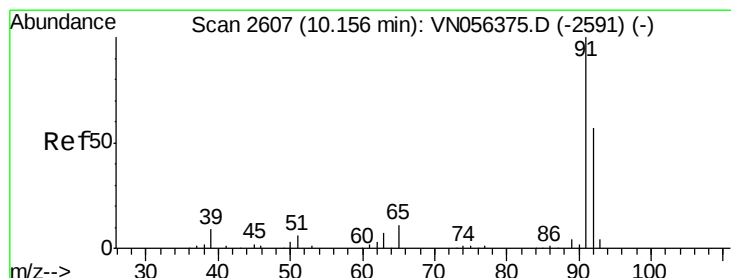
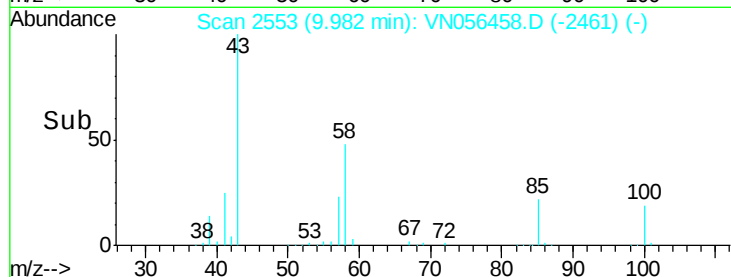
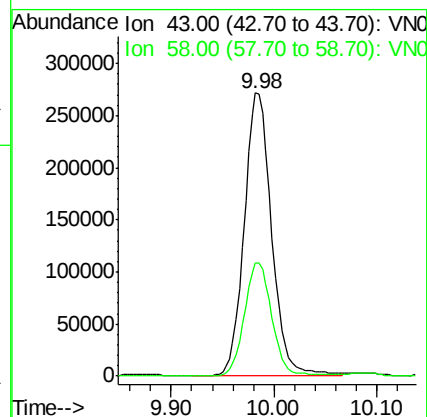
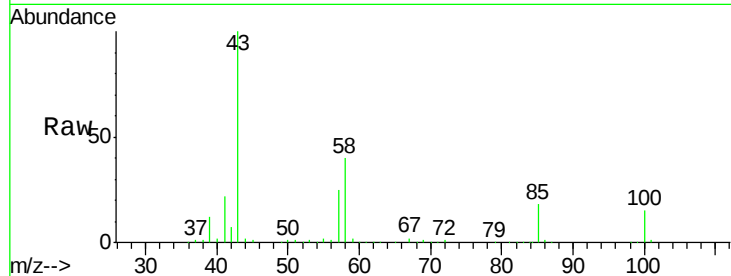
58 40.3 31.8 47.8

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#52

Toluene

Concen: 18.910 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056458.D

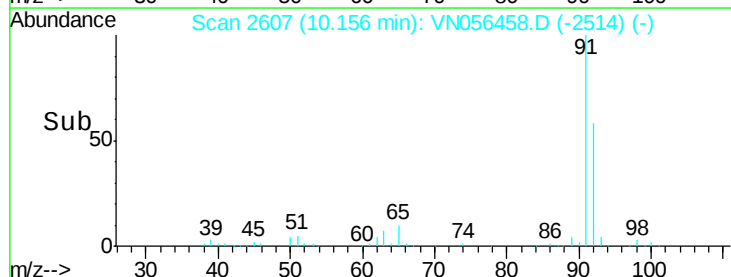
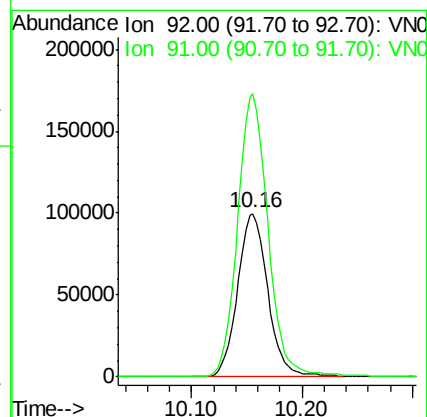
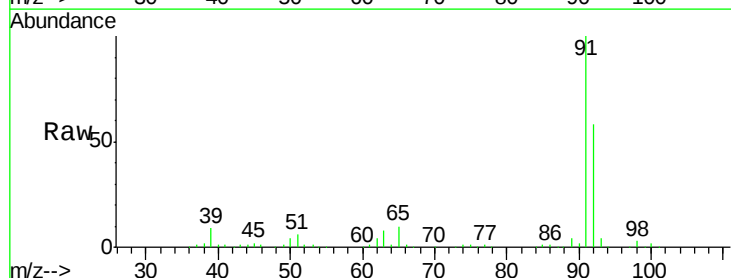
Acq: 24 Jun 2019 16:09

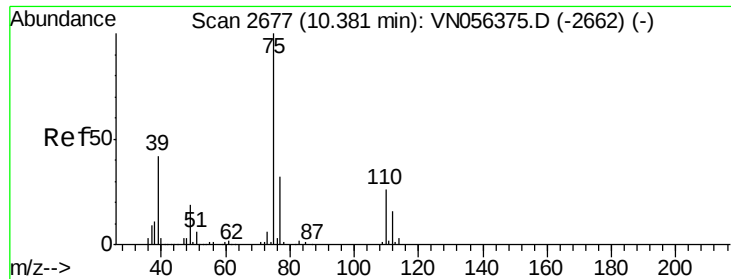
Tgt Ion: 92 Resp: 189691

Ion Ratio Lower Upper

92 100

91 175.2 140.6 211.0





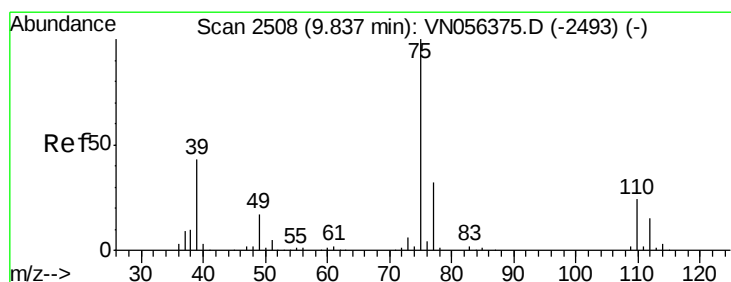
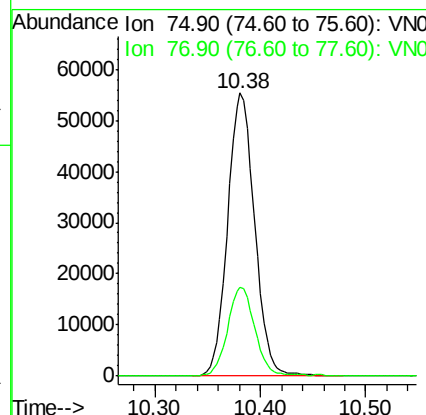
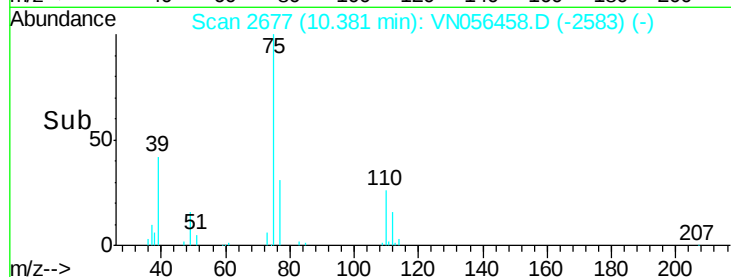
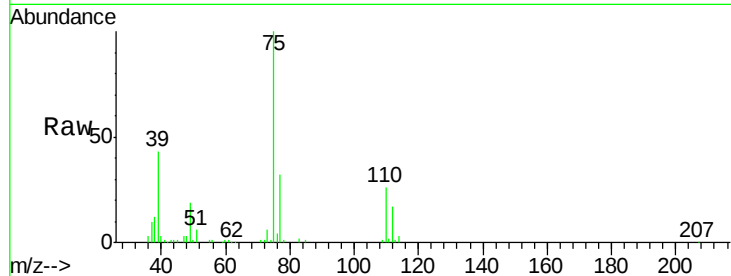
#53
t-1,3-Dichloropropene
Concen: 19.203 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion: 75 Resp: 98179
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

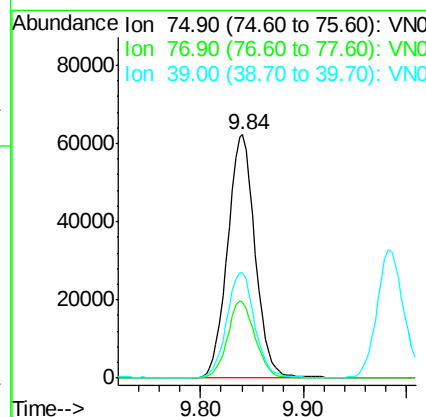
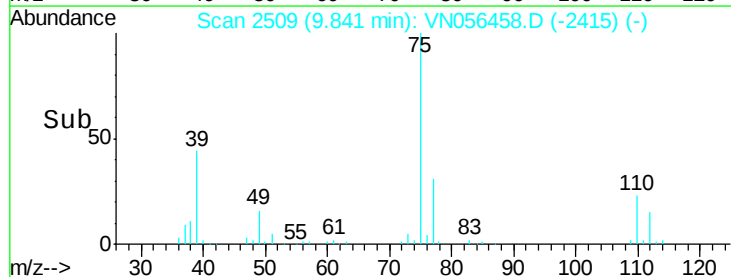
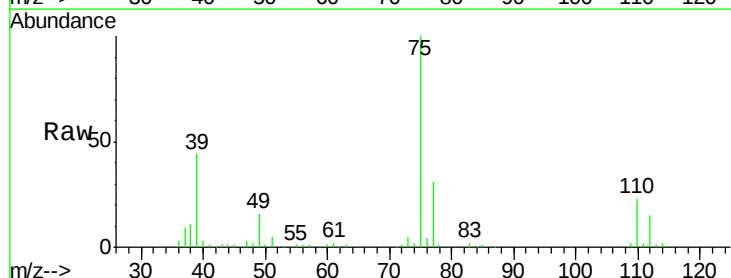
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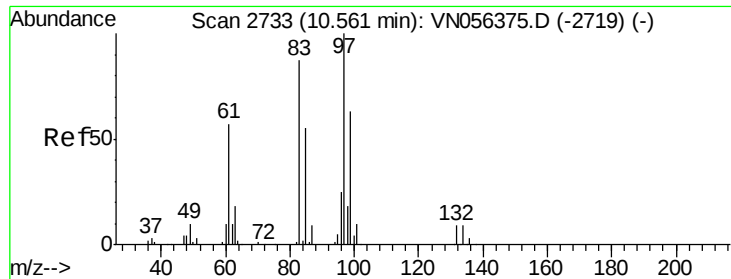
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#54
cis-1,3-Dichloropropene
Concen: 19.804 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 75 Resp: 116117
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 43.5 34.2 51.4





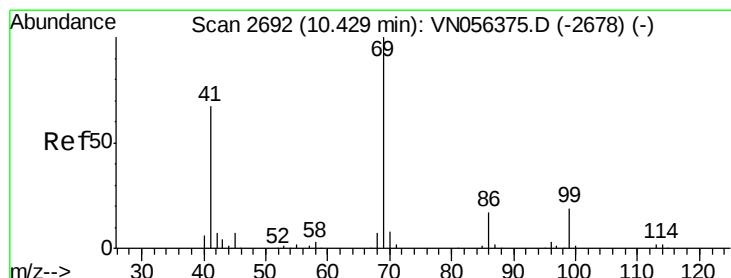
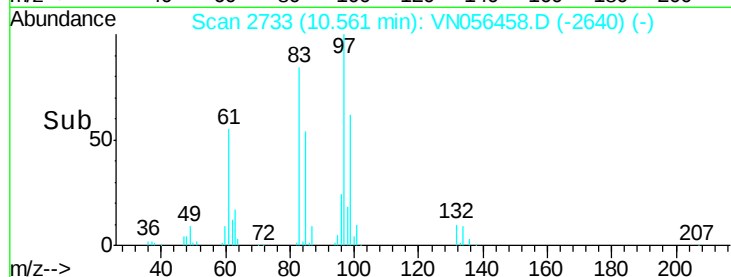
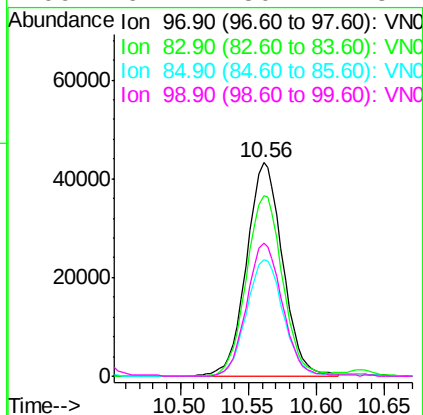
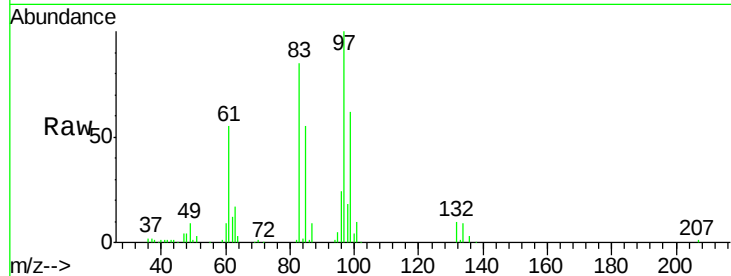
#55
 1,1,2-Trichloroethane
 Concen: 19.800 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.8	104.6
85	54.8	43.8	65.8
99	62.4	50.2	75.2

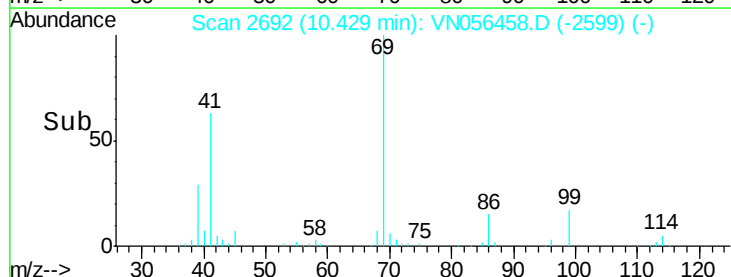
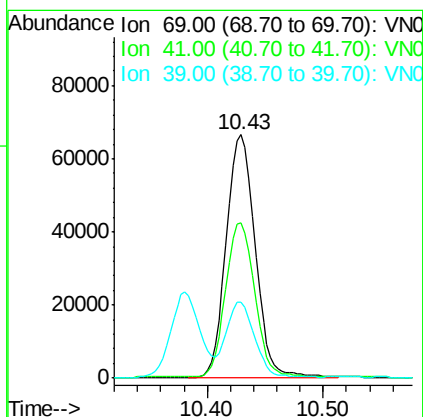
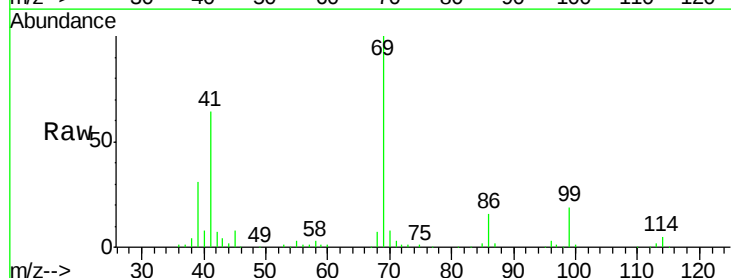
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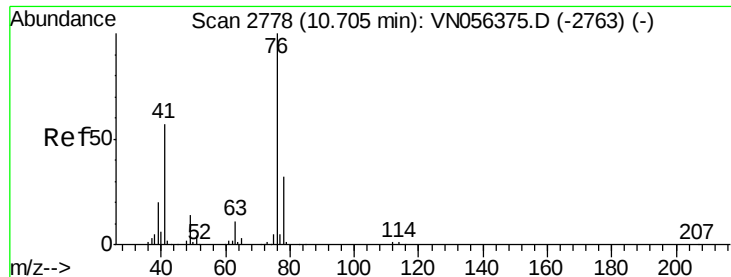
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#56
 Ethyl methacrylate
 Concen: 19.669 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.4	77.2
39	30.4	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.345 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 76 Resp: 131038

Ion Ratio Lower Upper

76 100

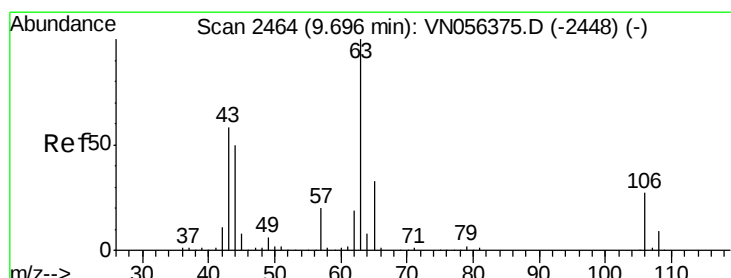
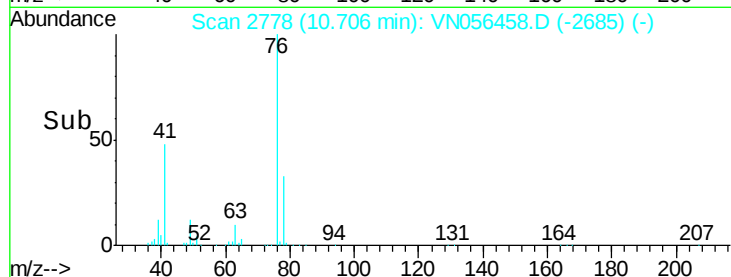
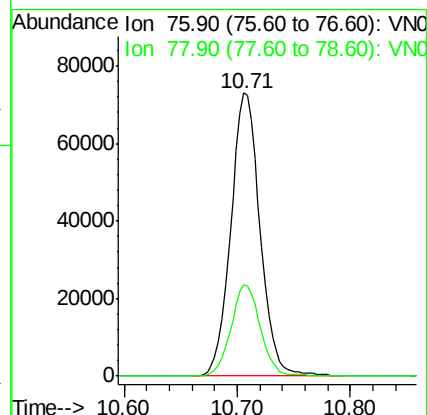
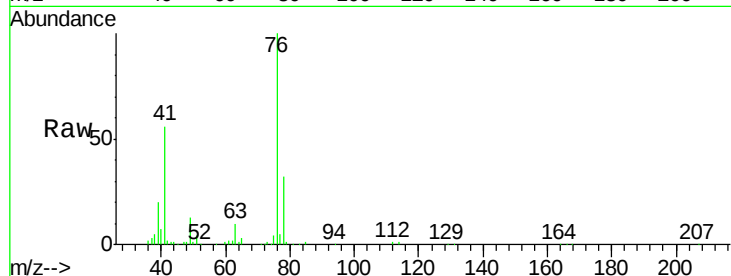
78 32.4 25.9 38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 81.759 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056458.D

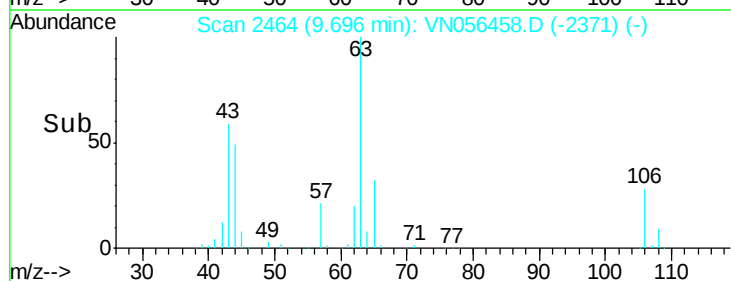
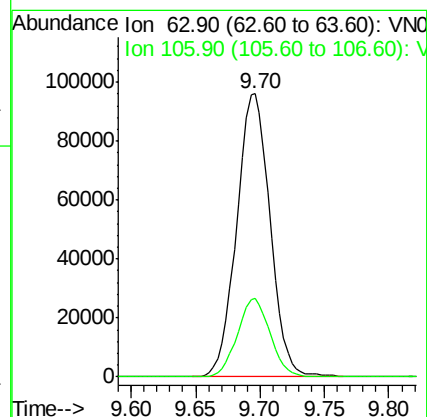
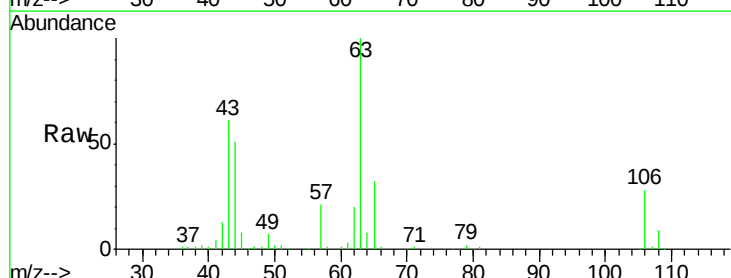
Acq: 24 Jun 2019 16:09

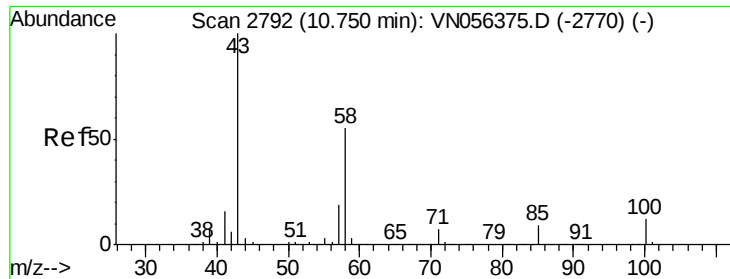
Tgt Ion: 63 Resp: 173078

Ion Ratio Lower Upper

63 100

106 27.1 21.6 32.4





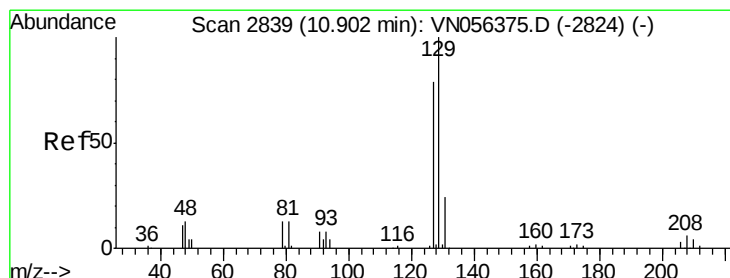
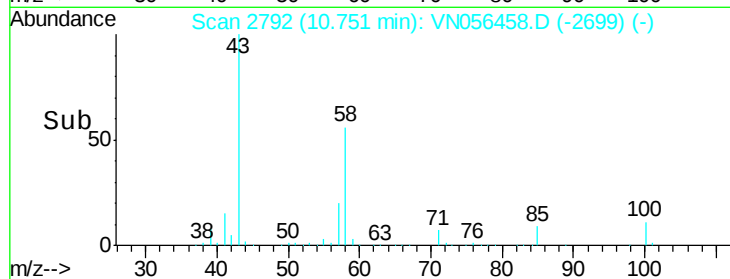
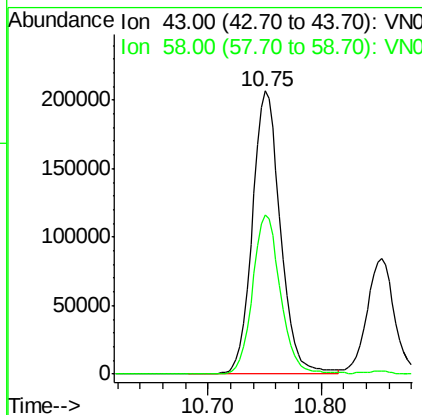
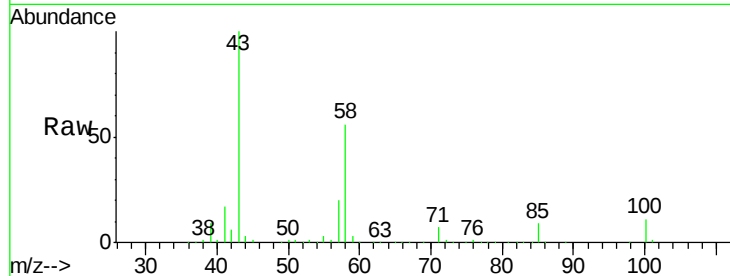
#59
2-Hexanone
Concen: 92.399 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	43	Resp	354290
Ion Ratio	100	Lower	Upper
43	100		
58	56.2	27.8	83.4

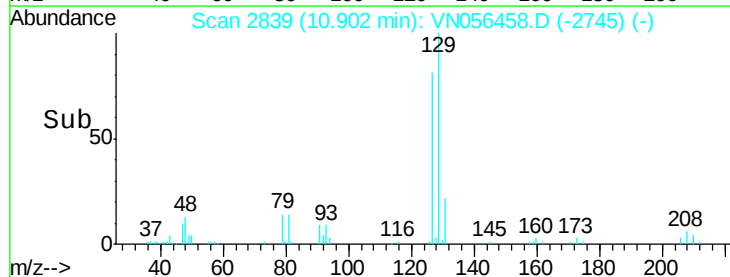
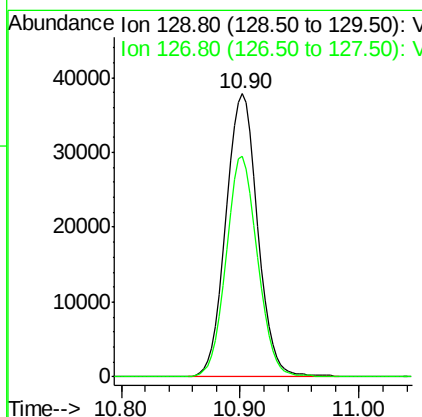
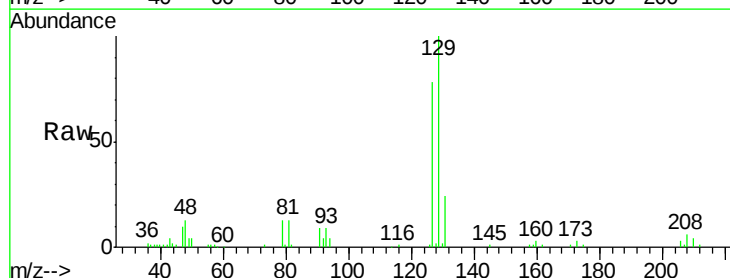
Manual Integrations
APPROVED

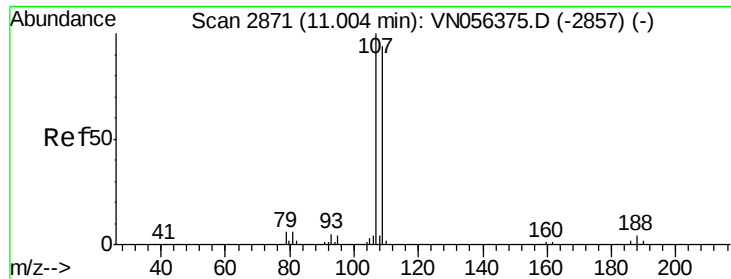
MMDadoda
6/26/2019 8:14:26 AM



#60
Dibromochloromethane
Concen: 18.484 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	129	Resp	70073
Ion Ratio	100	Lower	Upper
129	100		
127	76.9	38.9	116.7





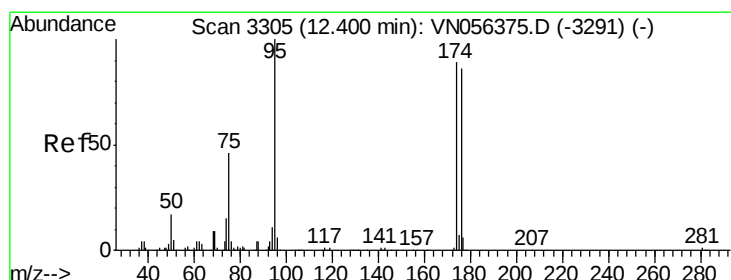
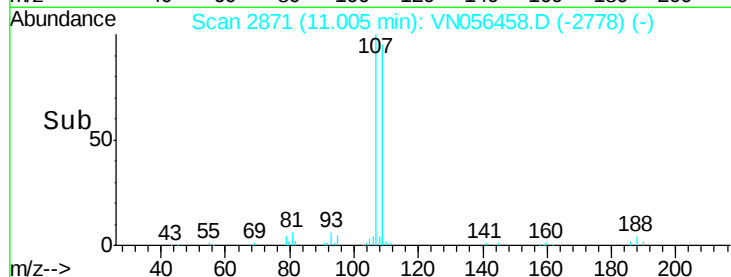
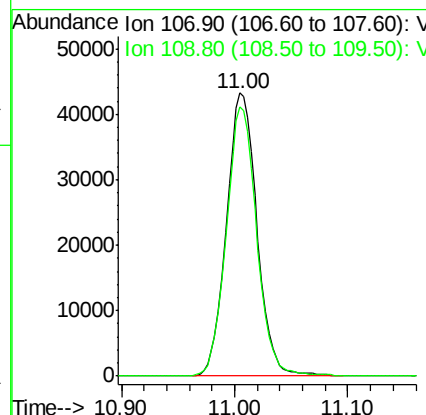
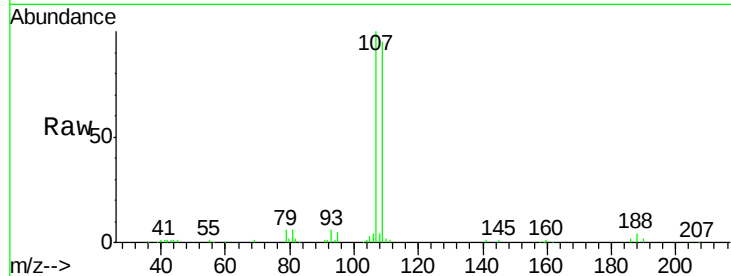
#61
 1,2-Dibromoethane
 Concen: 19.671 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.3	112.9

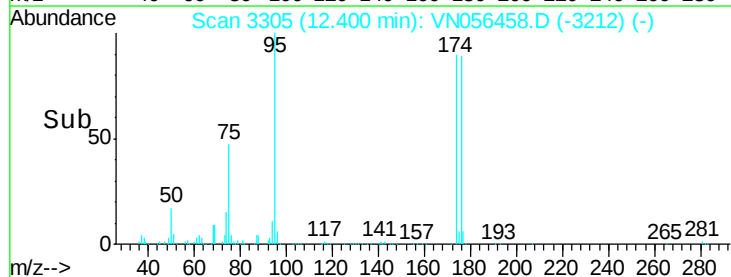
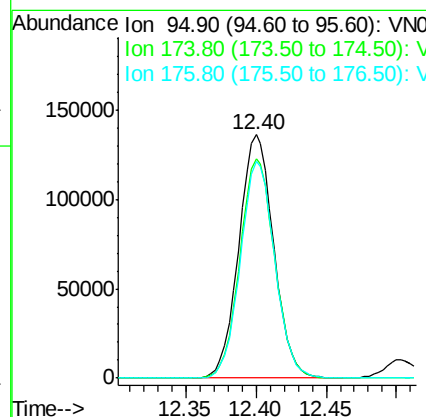
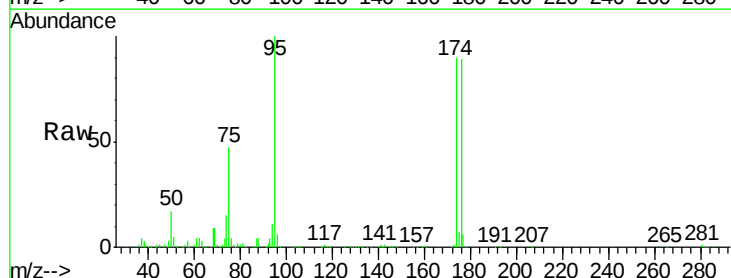
Manual Integrations
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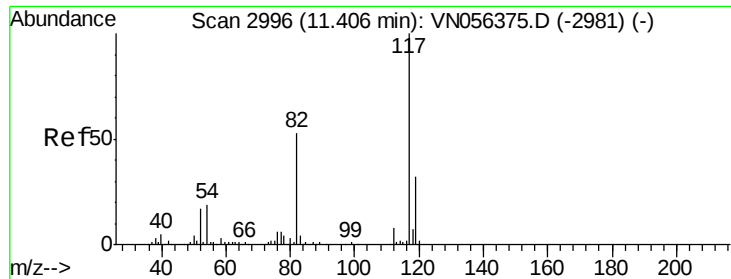
MMDadoda
 6/26/2019 8:14:26 AM



#62
 4-Bromofluorobenzene
 Concen: 48.078 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	179.4
176	87.8	0.0	173.4





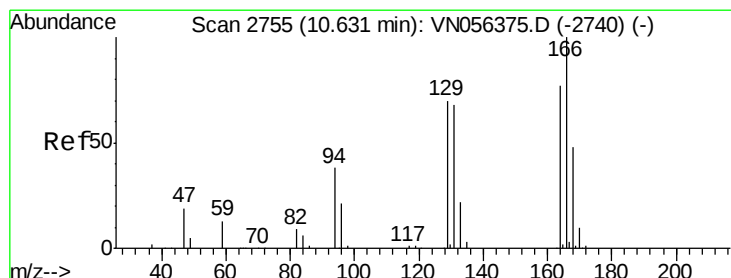
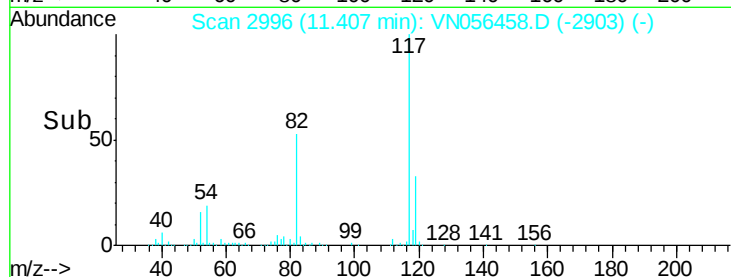
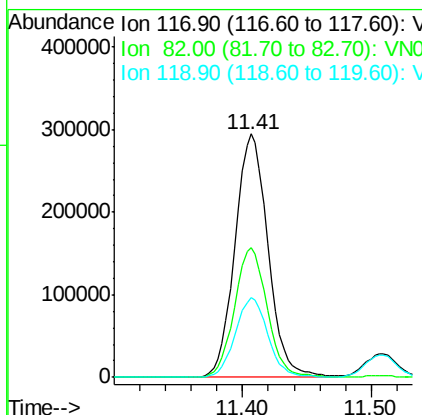
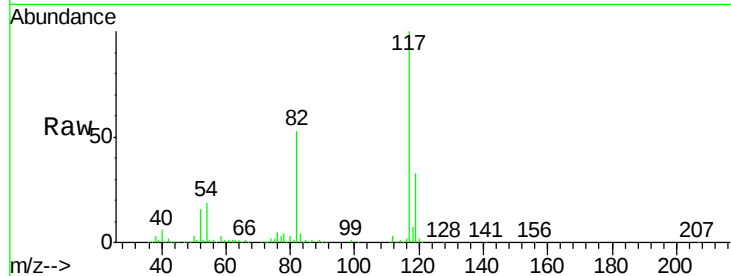
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.0	63.0
119	32.6	25.3	37.9

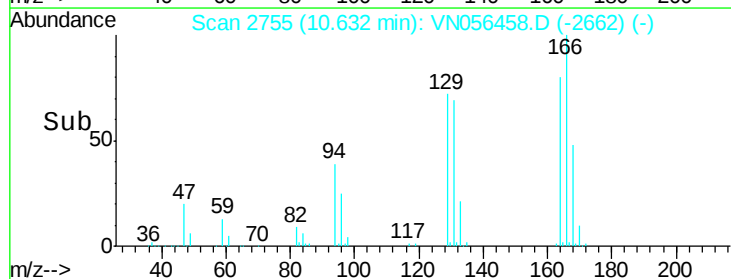
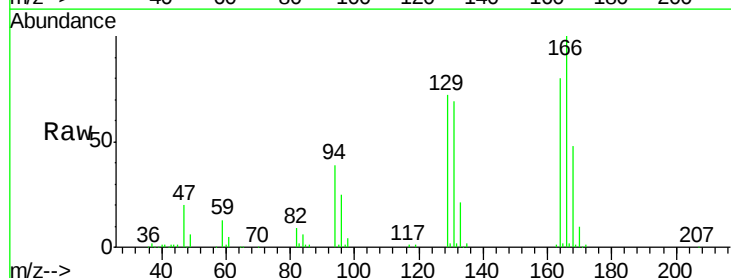
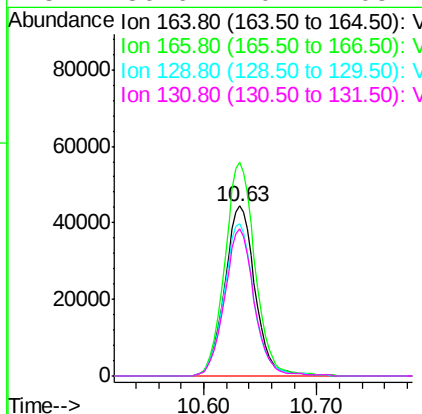
Manual Integrations
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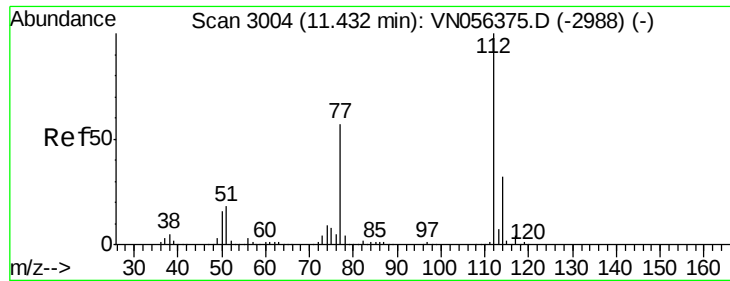
MMDadoda
6/26/2019 8:14:26 AM



#64
Tetrachloroethene
Concen: 19.744 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.4	155.0
129	89.9	72.0	108.0
131	86.6	70.2	105.2





#65

Chlorobenzene

Concen: 19.056 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion:112 Resp: 201555

Ion Ratio Lower Upper

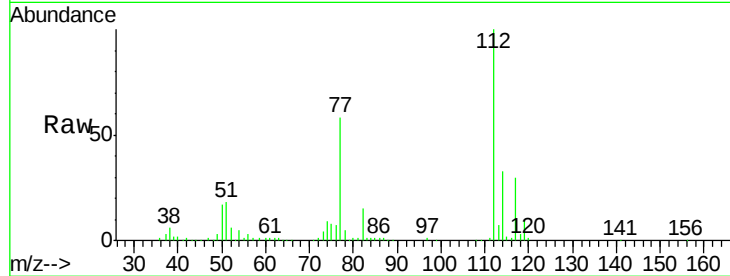
112 100

114 32.9 25.4 38.2

Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

120000

100000

80000

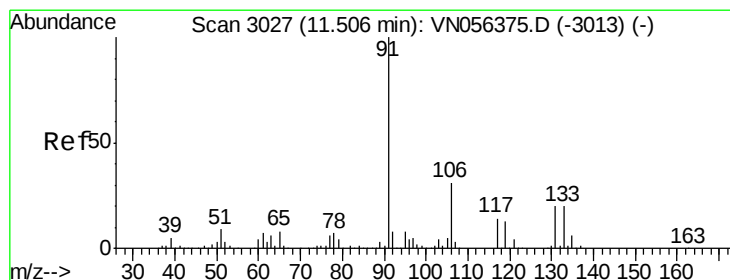
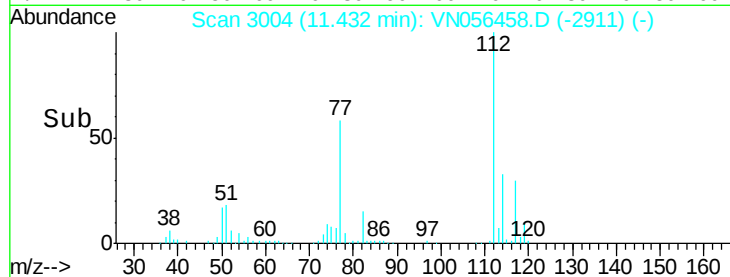
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.908 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

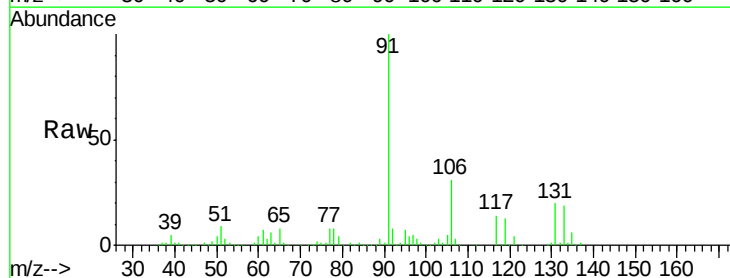
Tgt Ion:131 Resp: 71165

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

119 66.7 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

100000

80000

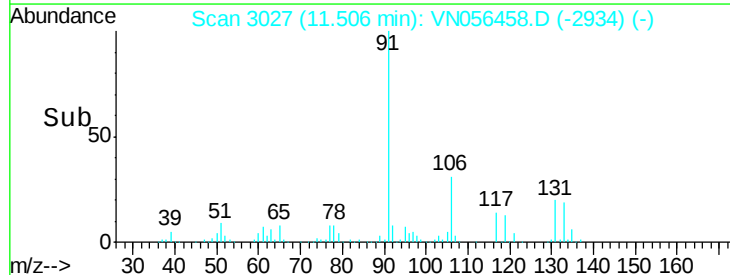
60000

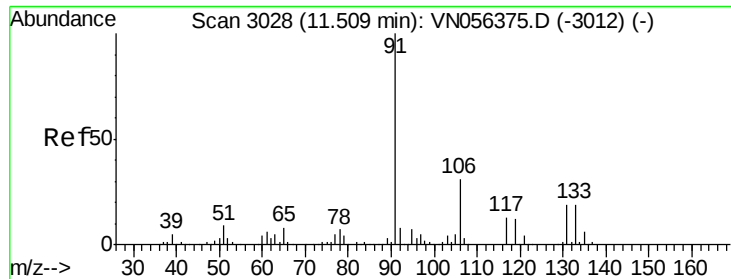
40000

20000

0

Time-->





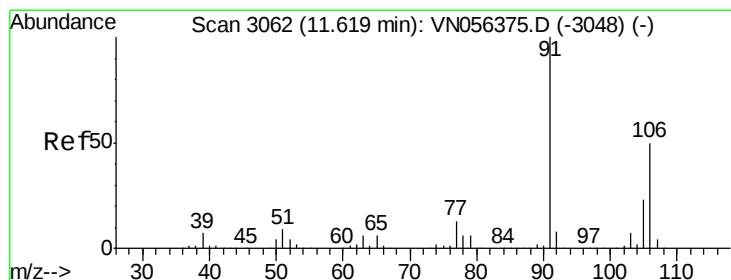
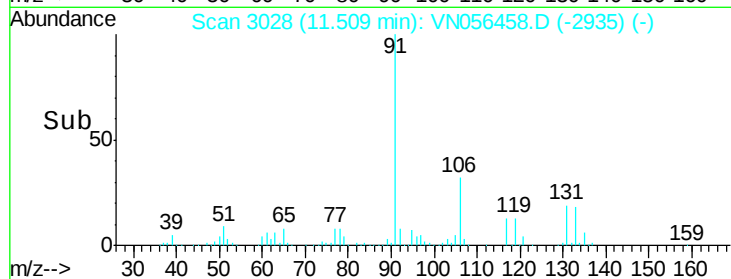
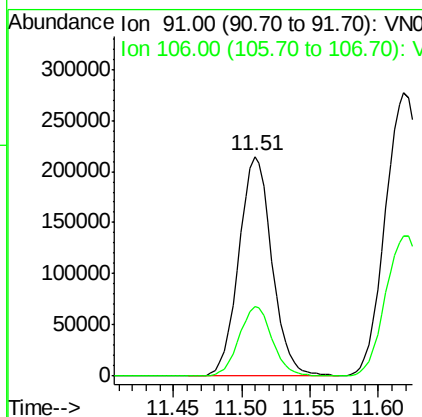
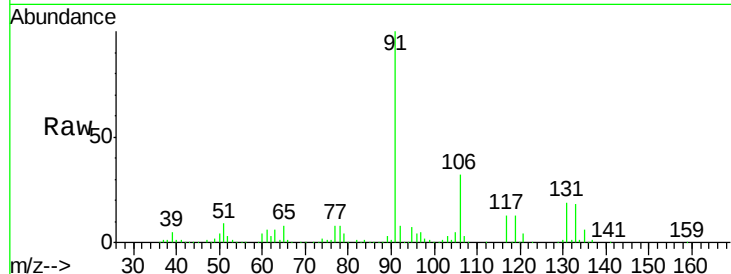
#67
Ethyl Benzene
Concen: 19.545 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion: 91 Resp: 362986
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

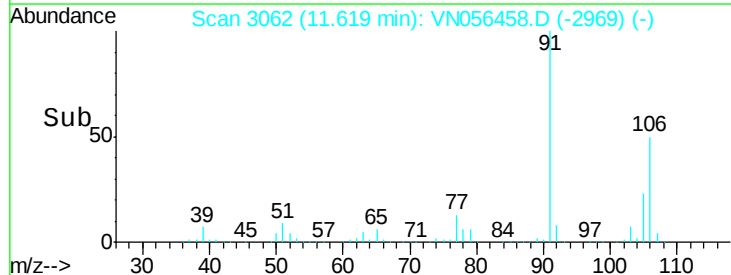
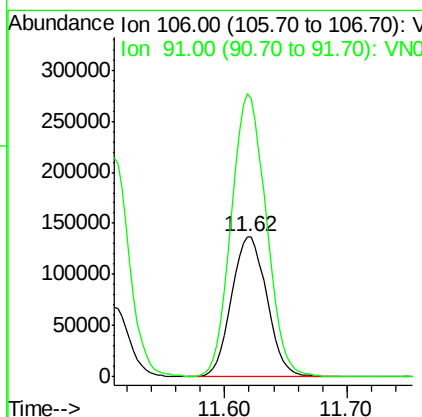
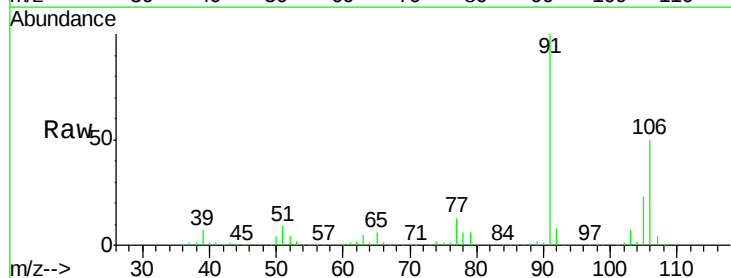
Manual Integrations
APPROVED

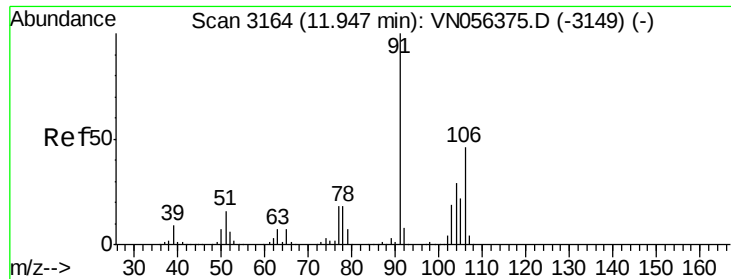
MMDadoda
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#68
m/p-Xylenes
Concen: 40.513 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 106 Resp: 275735
Ion Ratio Lower Upper
106 100
91 200.4 160.1 240.1





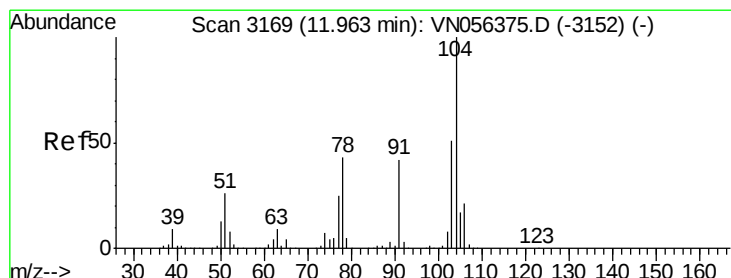
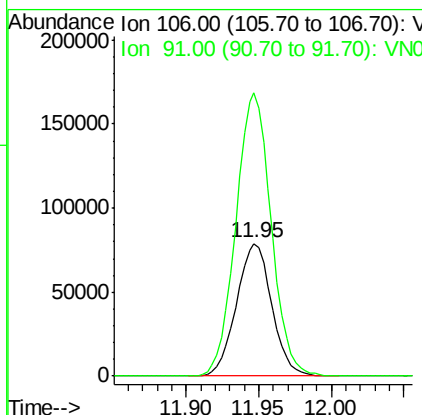
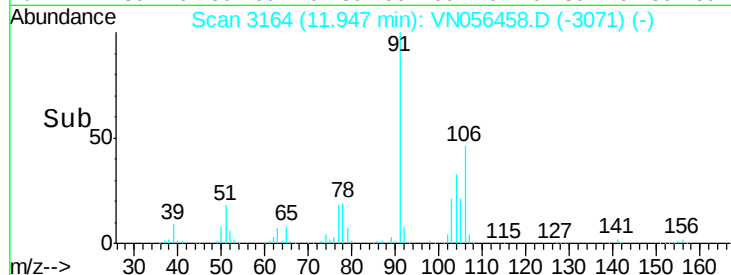
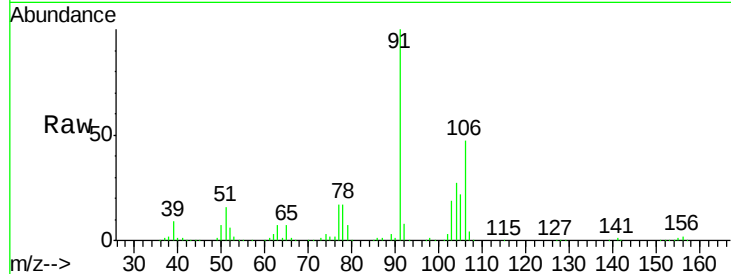
#69
o-Xylene
Concen: 19.801 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampled :
VN0624MBSD01

Tot Ion:106 Resp: 133330
Ion Ratio Lower Upper
106 100
91 213.7 107.1 321.3

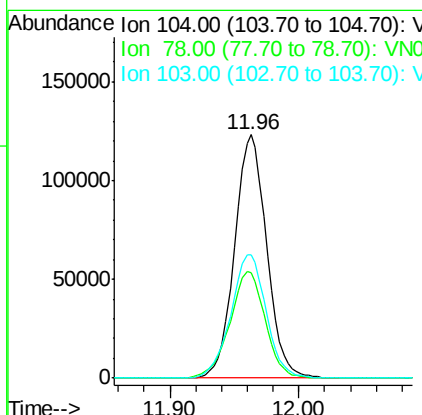
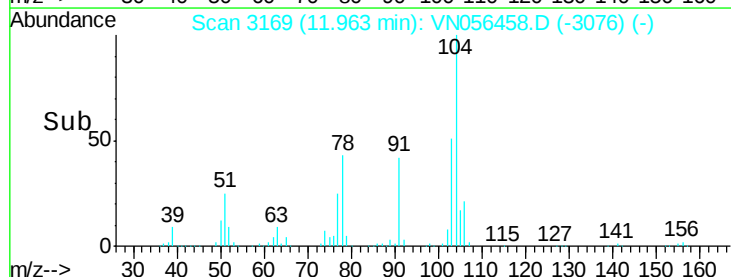
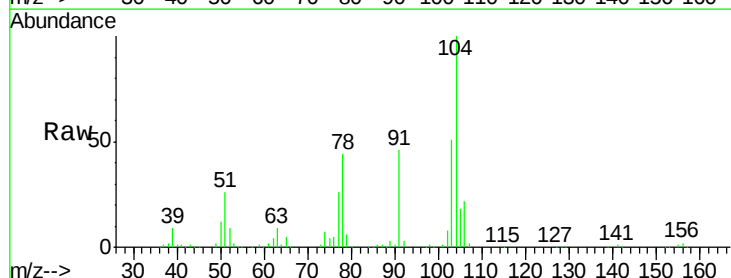
Manual Integrations
APPROVED

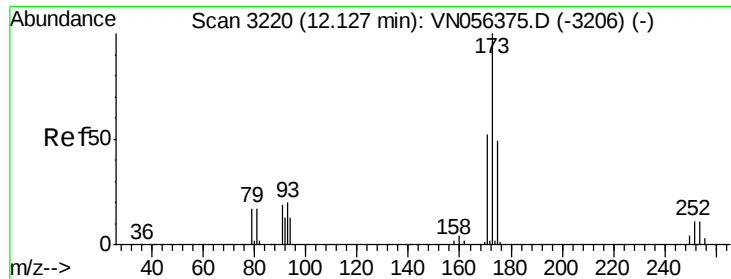
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#70
Styrene
Concen: 19.787 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion:104 Resp: 212960
Ion Ratio Lower Upper
104 100
78 48.3 38.6 57.8
103 55.9 43.9 65.9





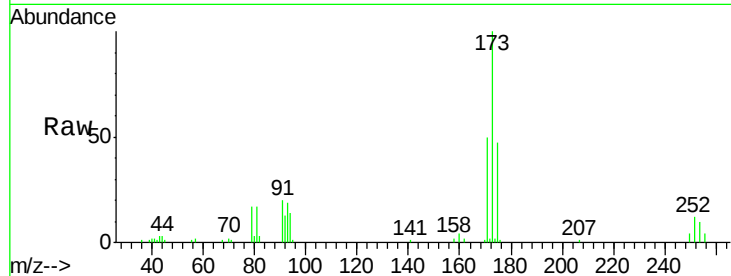
#71
Bromoform
Concen: 18.066 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampled :
VN0624MBSD01

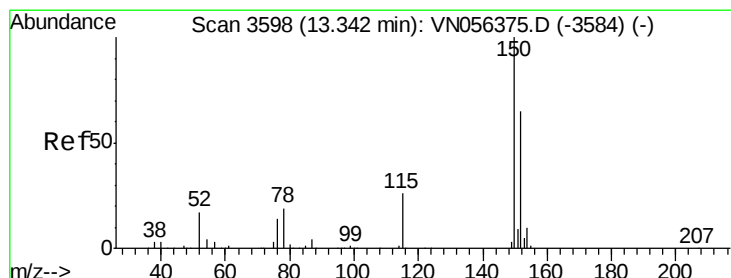
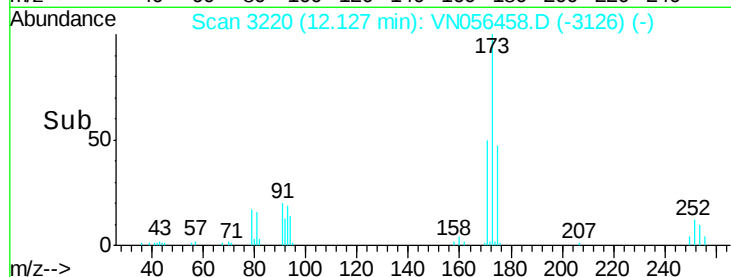
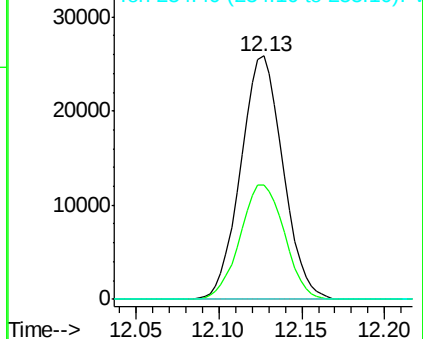
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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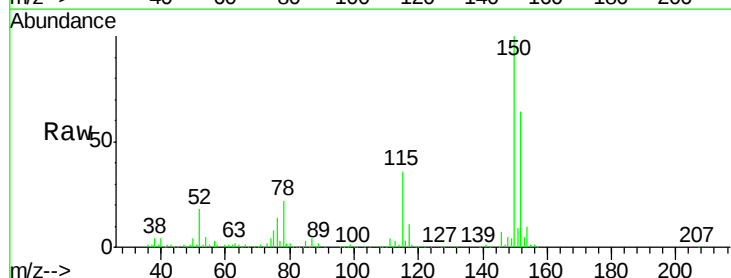


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

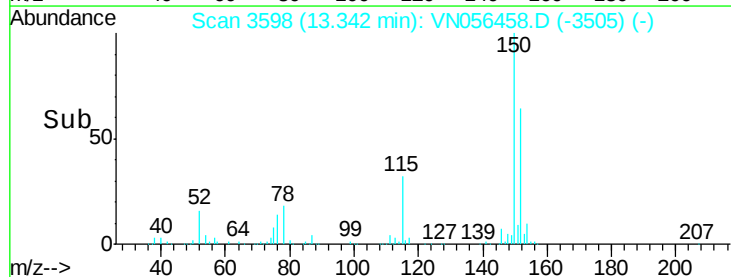
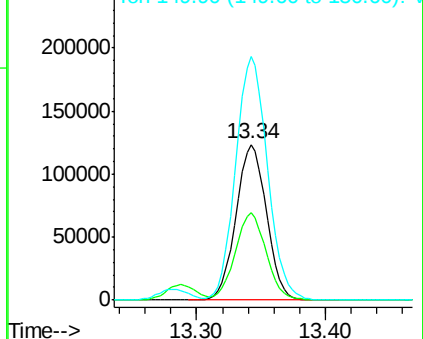


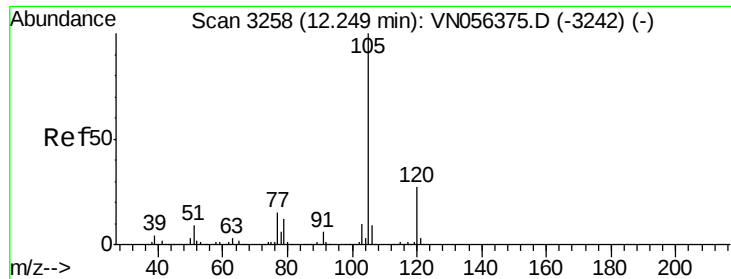
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.1	84.4
150	163.6	0.0	348.4



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





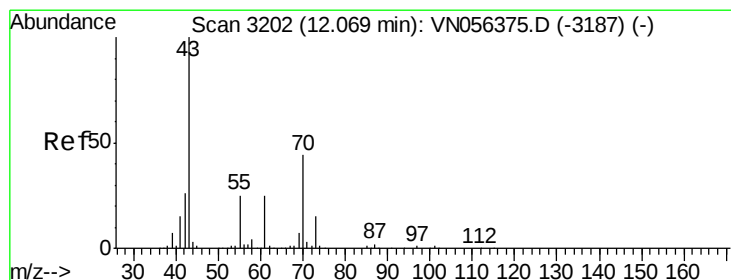
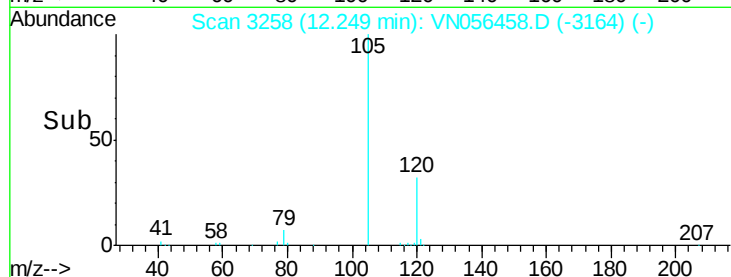
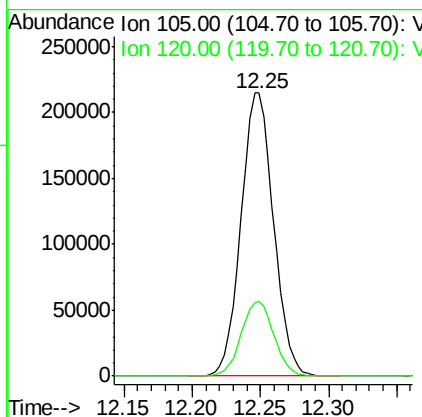
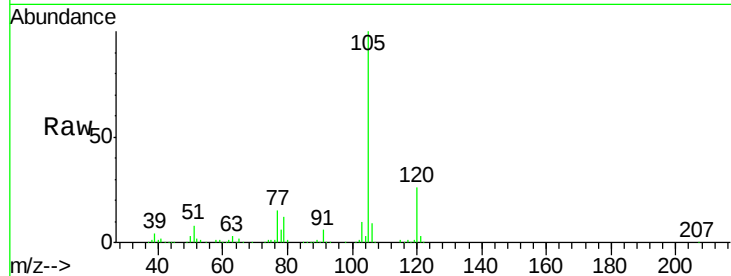
#73
Isopropylbenzene
Concen: 21.832 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

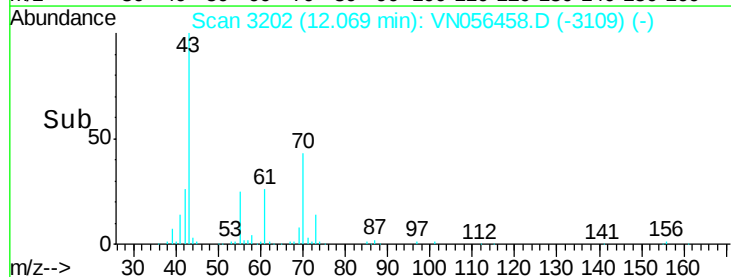
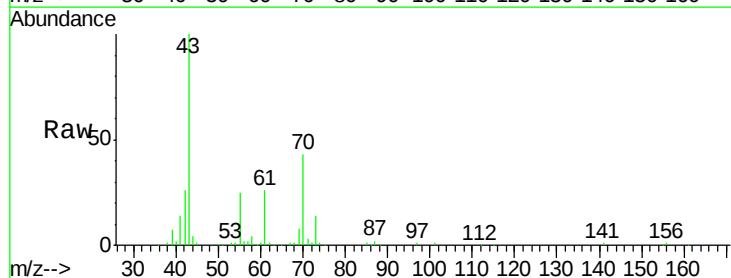
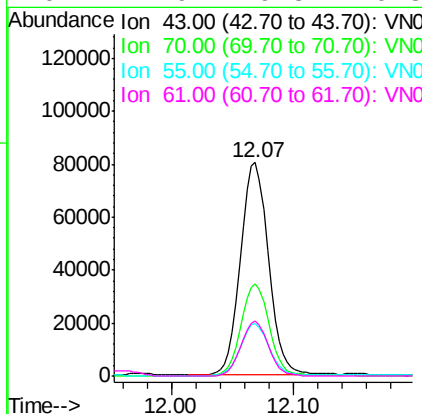
Manual Integrations
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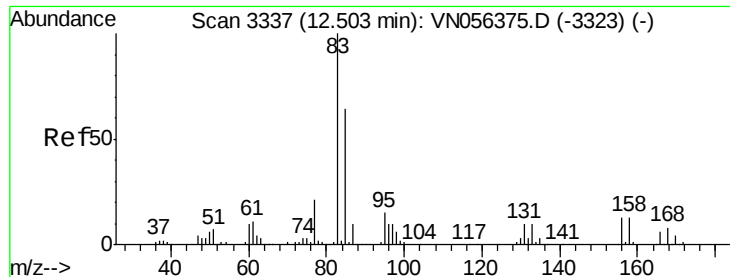
MMDadoda
6/26/2019 8:14:26 AM



#74
N-ethyl acetate
Concen: 19.903 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.9	52.3
55	25.8	20.4	30.6
61	24.9	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.321 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

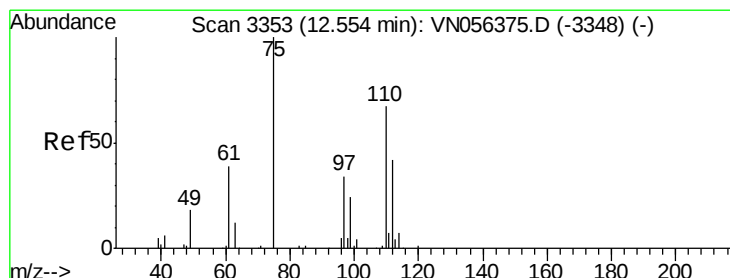
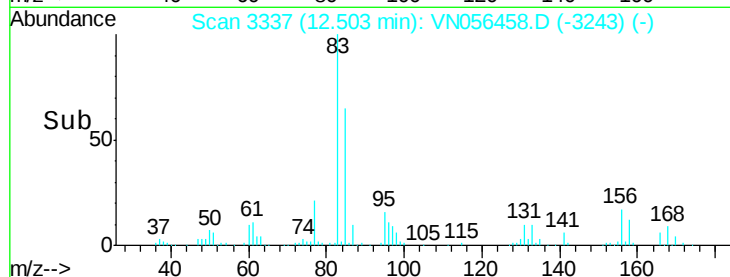
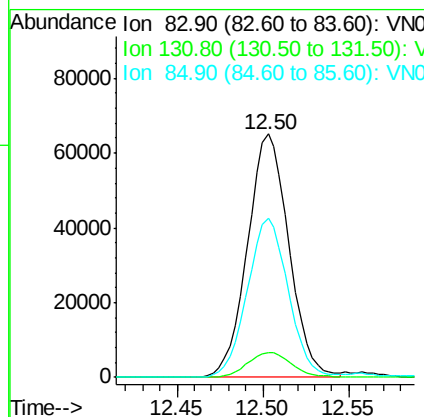
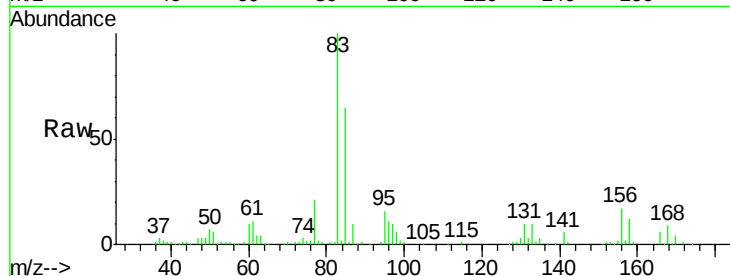
ClientSampleId :

VN0624MBSD01

Tot Ion:	83	Resp:	108835
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	64.5	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 22.093 ug/l m

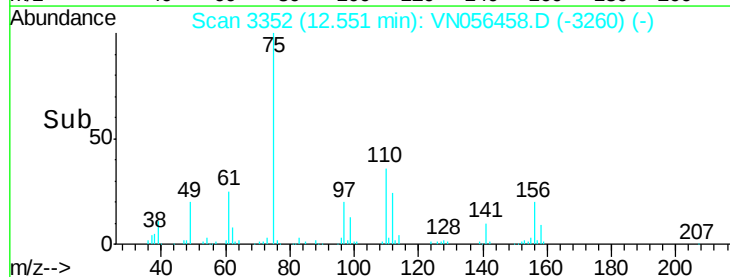
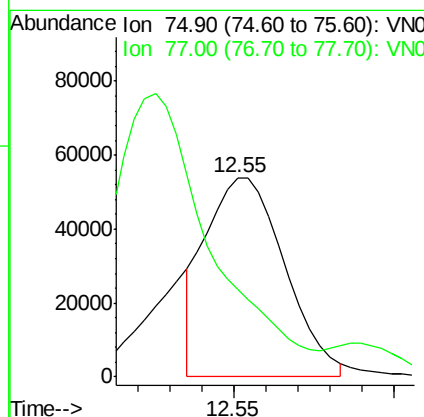
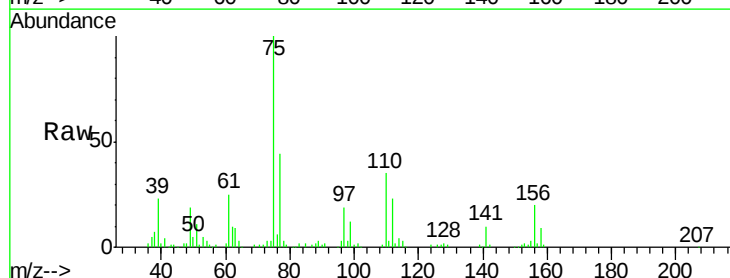
RT: 12.55 min Scan# 3352

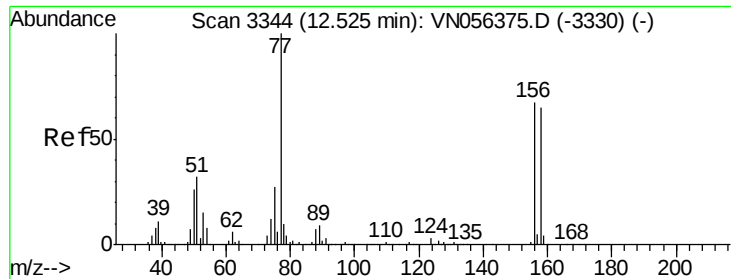
Delta R.T. -0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion:	75	Resp:	92881
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 28.779 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

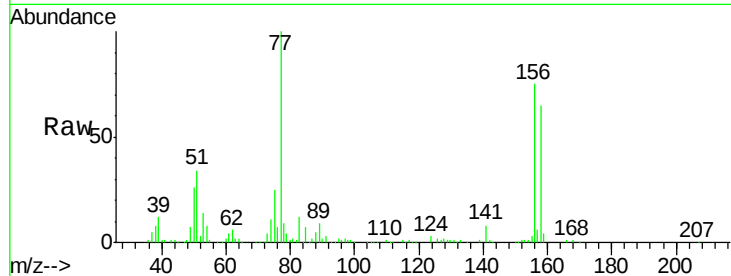
ClientSampleId :

VN0624MBSD01

Tot Ion:	156	Resp:	130471
Ion Ratio	Lower	Upper	
156	100		
77	128.7	92.5	277.3
158	66.9	48.7	146.1

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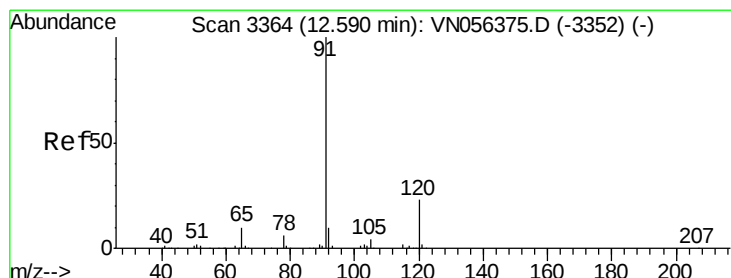
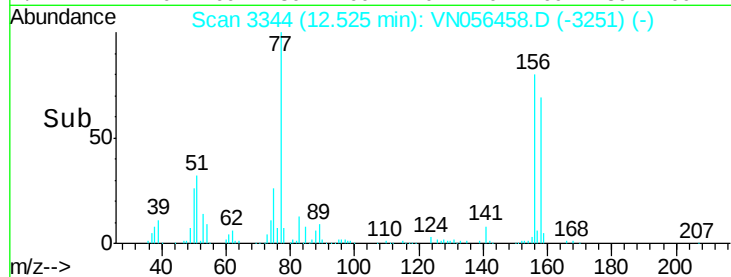
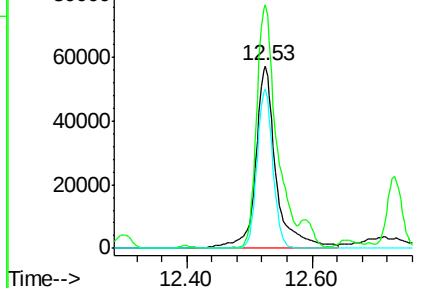
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.298 ug/l

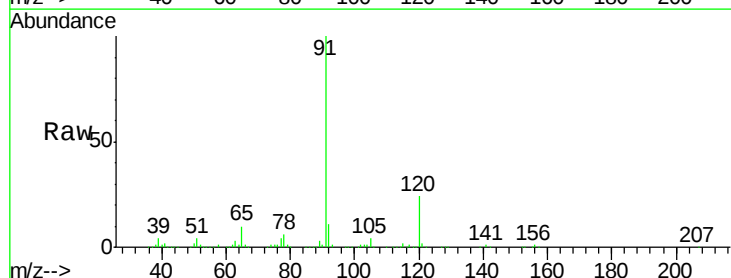
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056458.D

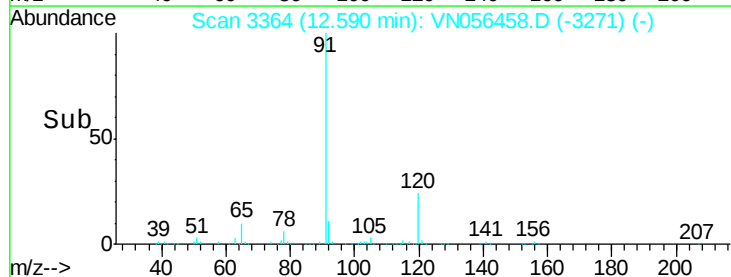
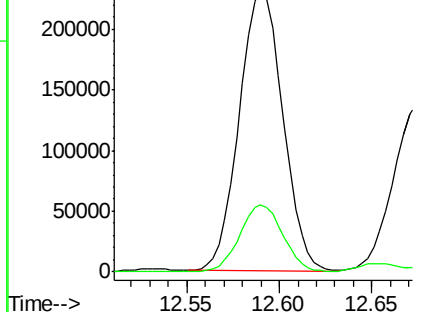
Acq: 24 Jun 2019 16:09

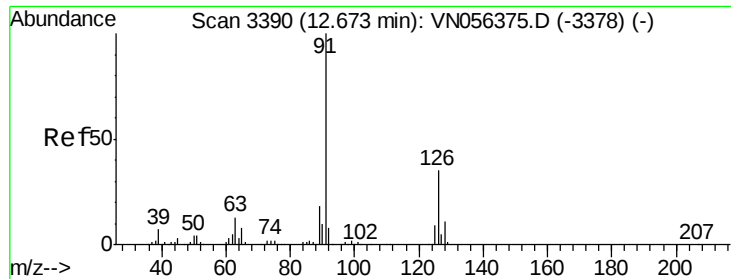
Tgt Ion:	91	Resp:	376876
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.373 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleID :

VN0624MBSD01

Tot Ion: 91 Resp: 232353

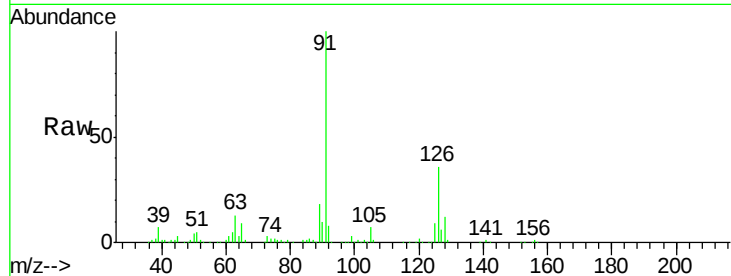
Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.8

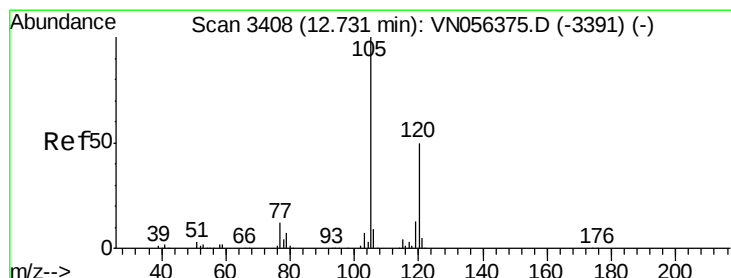
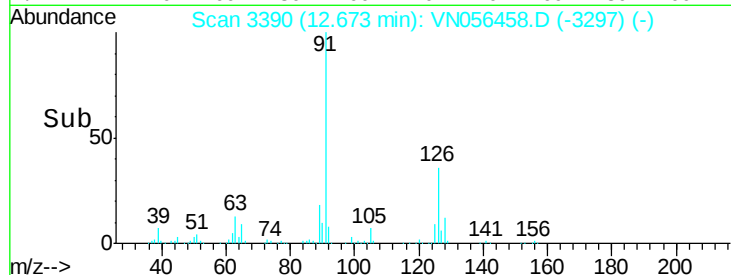
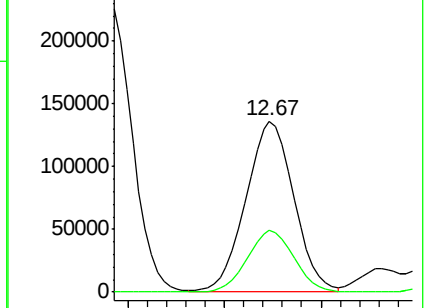
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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.225 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056458.D

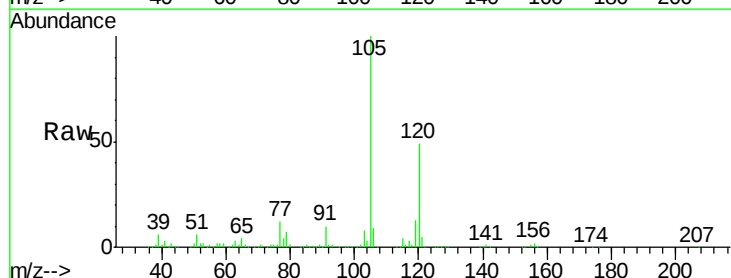
Acq: 24 Jun 2019 16:09

Tgt Ion: 105 Resp: 299610

Ion Ratio Lower Upper

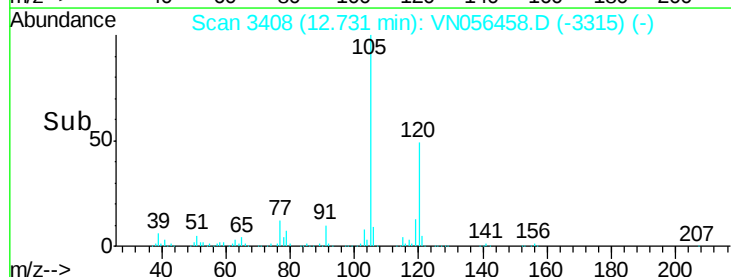
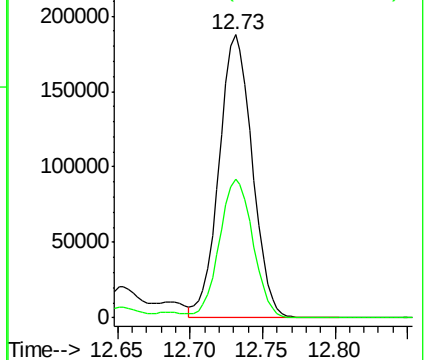
105 100

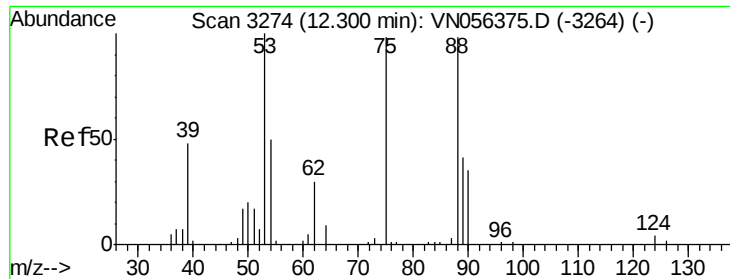
120 49.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)





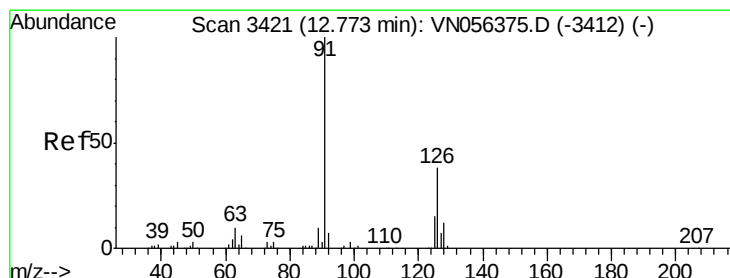
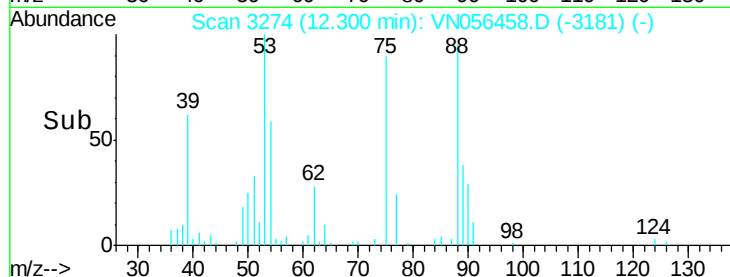
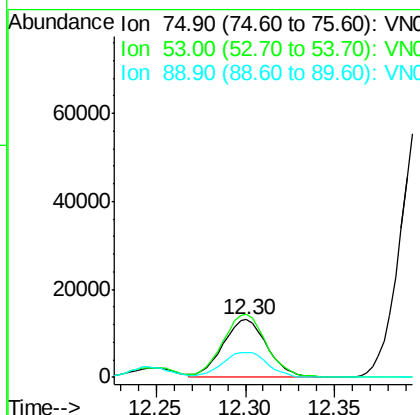
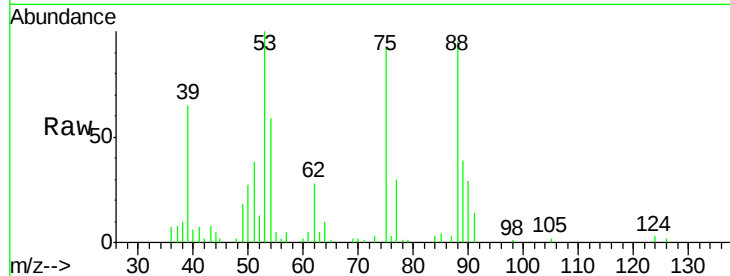
#81
trans-1,4-Dichloro-2-butene
Concen: 19.337 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.7	83.9	125.9
89	44.0	35.0	52.6

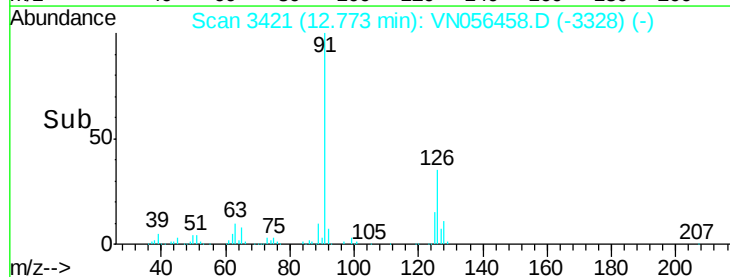
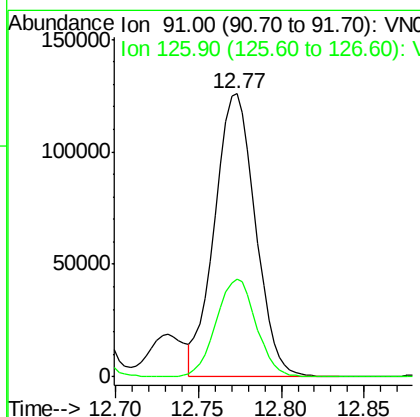
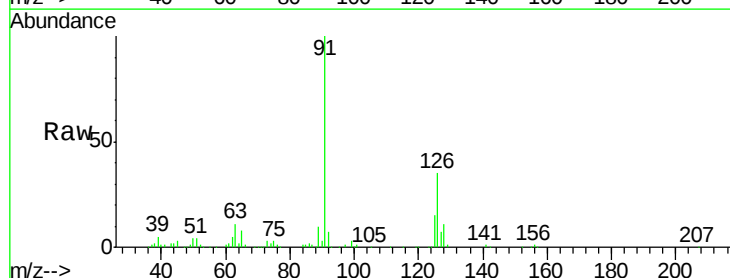
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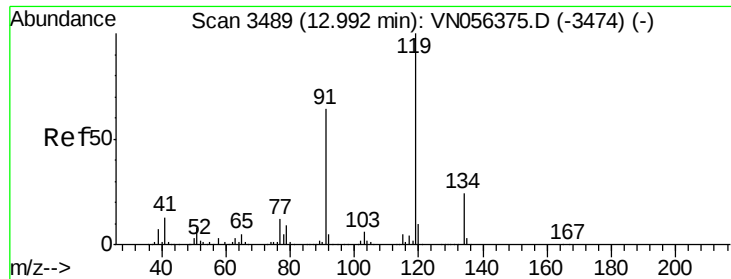
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#82
4-Chlorotoluene
Concen: 19.559 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	52.0





#83

tert-Butylbenzene

Concen: 21.147 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

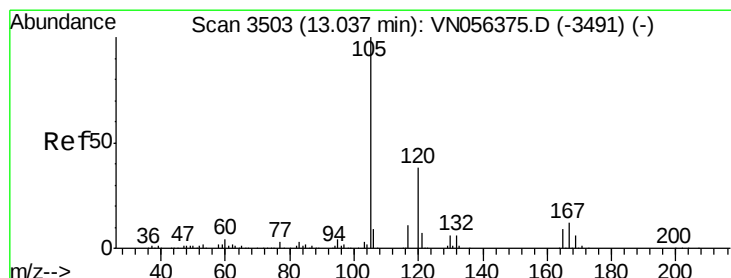
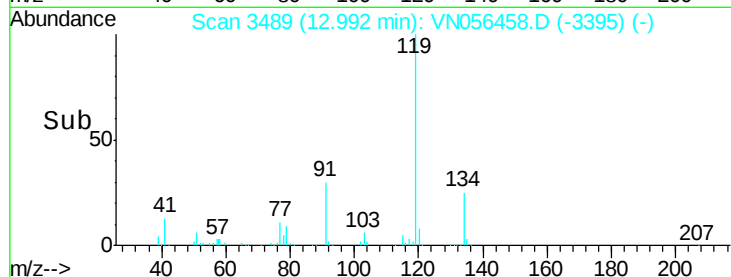
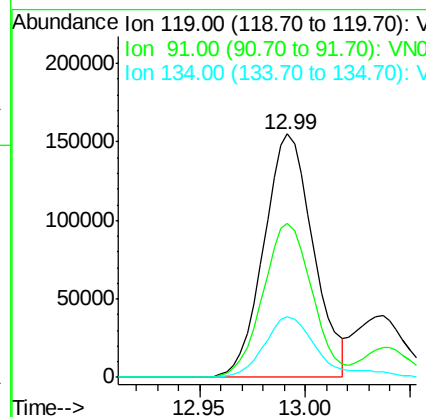
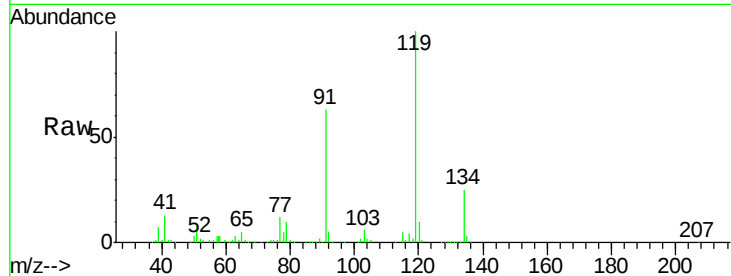
ClientSampleId :

VN0624MBSD01

Tot Ion:	119	Resp:	252842
Ion Ratio	Lower	Upper	
119	100		
91	63.1	31.6	94.7
134	27.3	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 23.733 ug/l

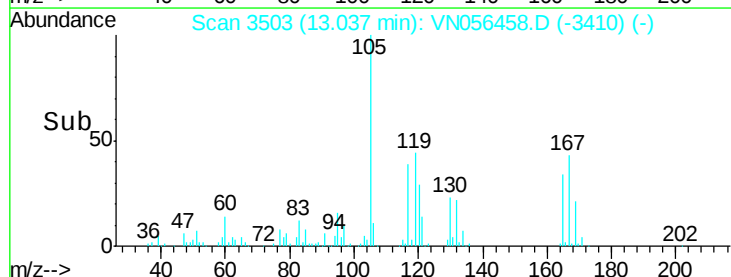
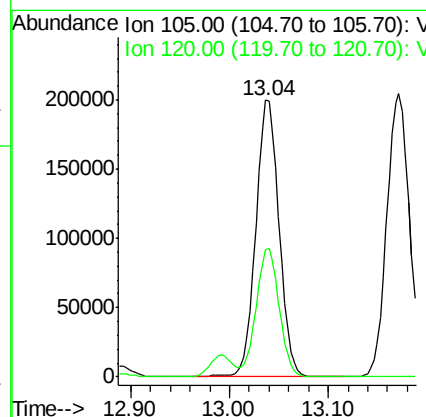
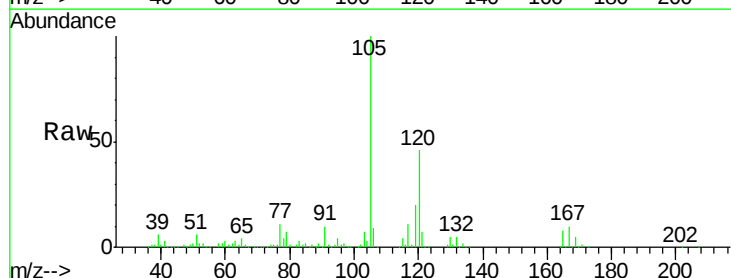
RT: 13.04 min Scan# 3503

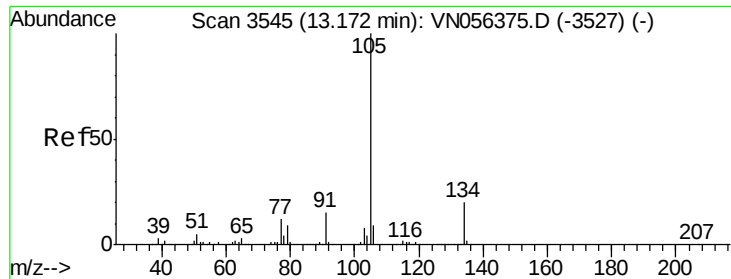
Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion:	105	Resp:	323939
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.8





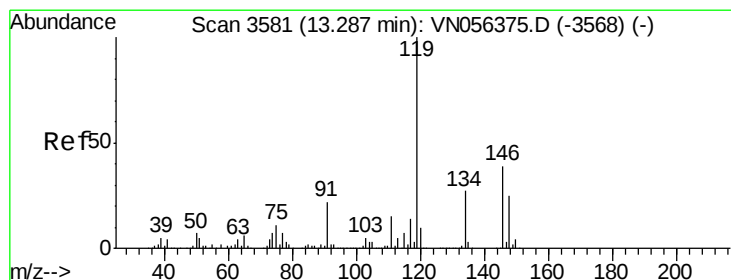
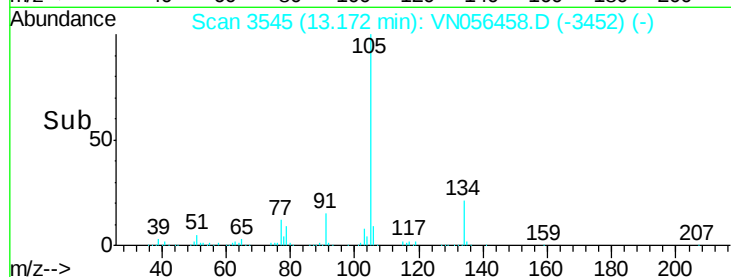
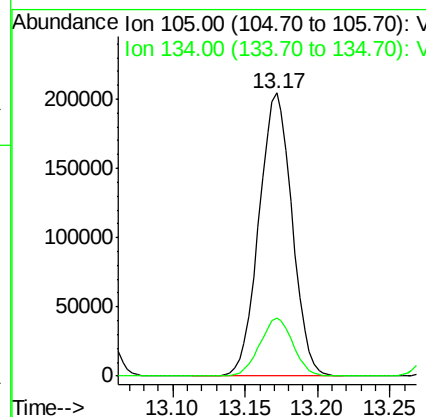
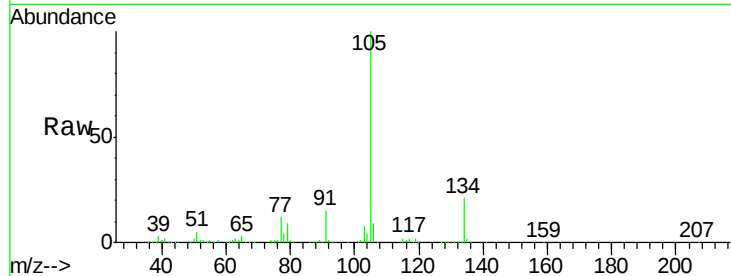
#85
 sec-Butylbenzene
 Concen: 19.911 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.2	30.4

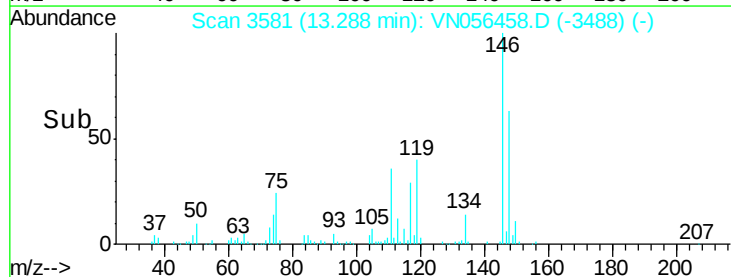
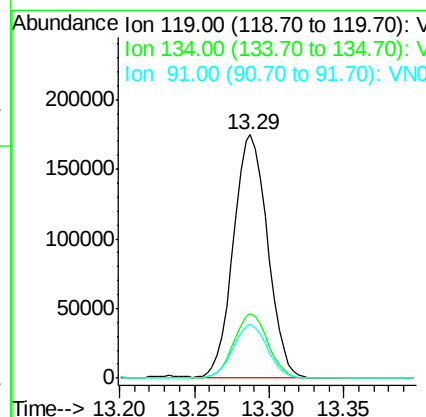
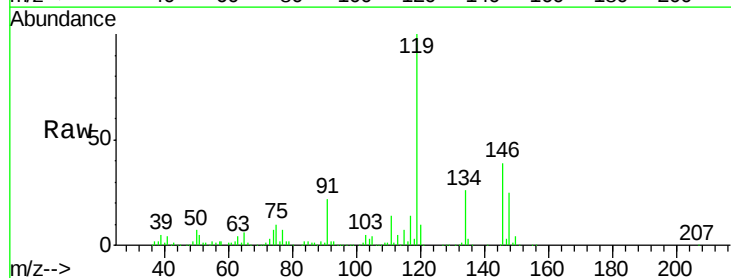
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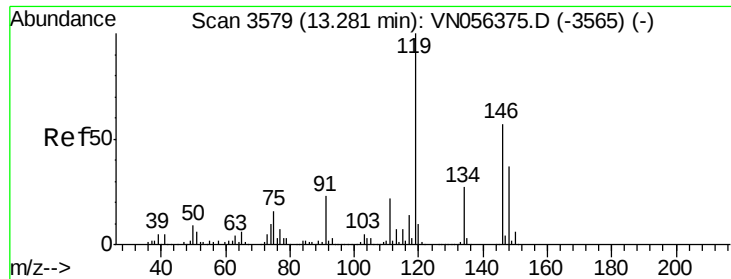
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#86
 p-Isopropyltoluene
 Concen: 19.813 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	21.8	11.2	33.5





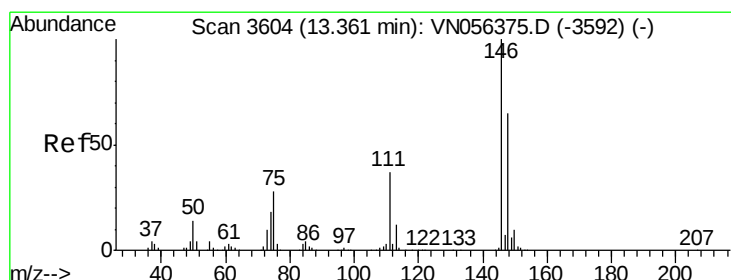
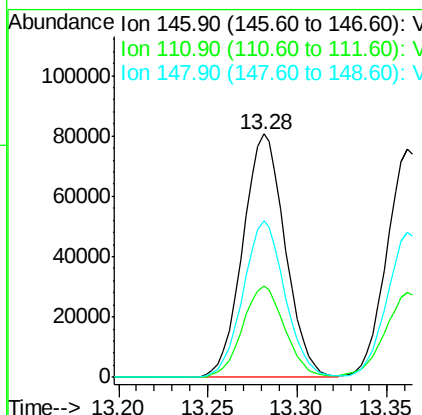
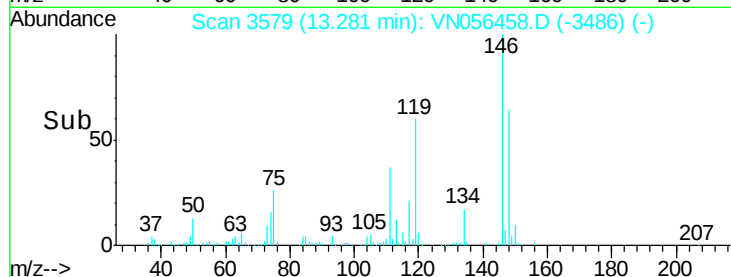
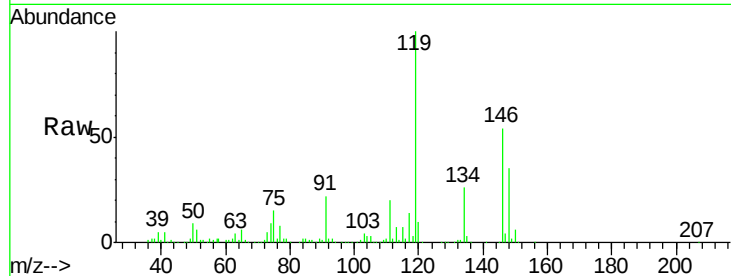
#87
 1,3-Dichlorobenzene
 Concen: 19.496 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	63.6	32.1	96.5

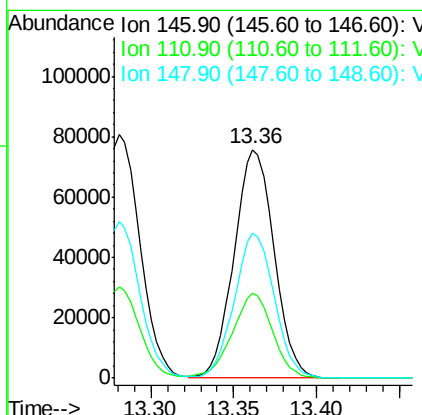
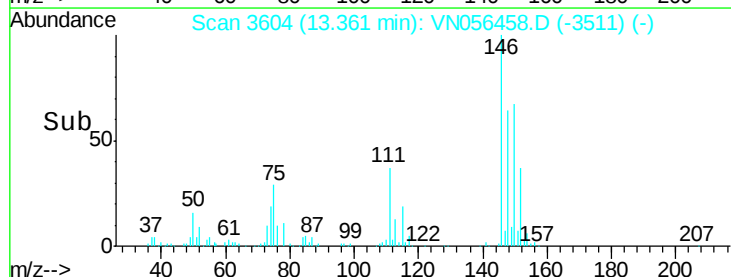
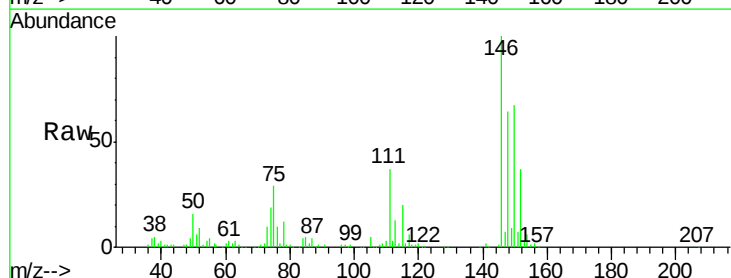
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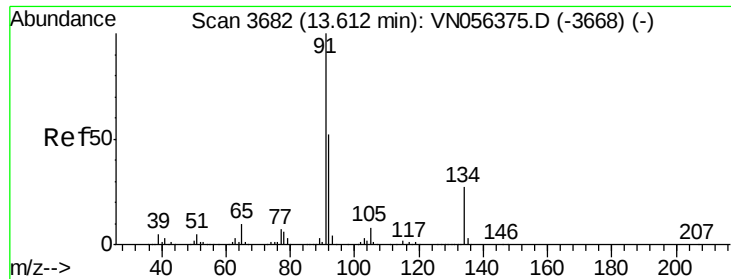
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#88
 1,4-Dichlorobenzene
 Concen: 19.111 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.4
148	63.4	32.4	97.0





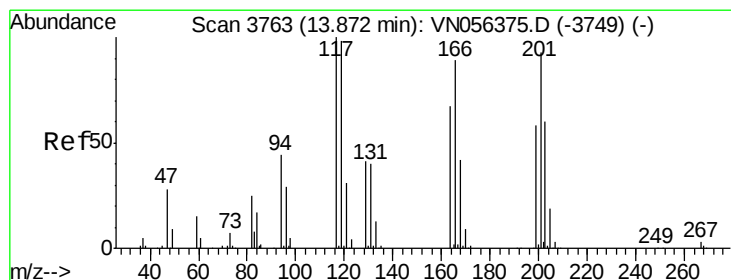
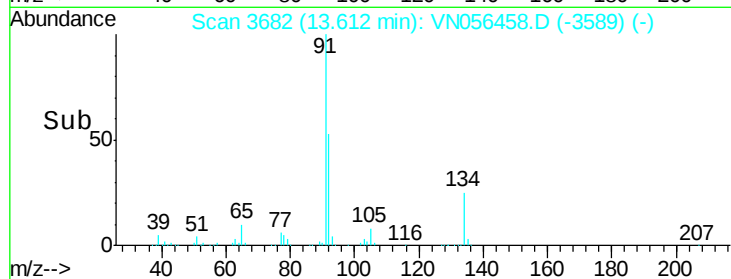
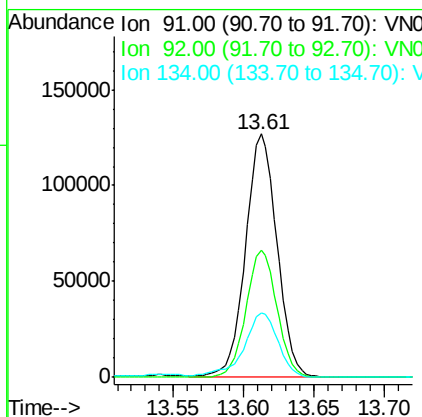
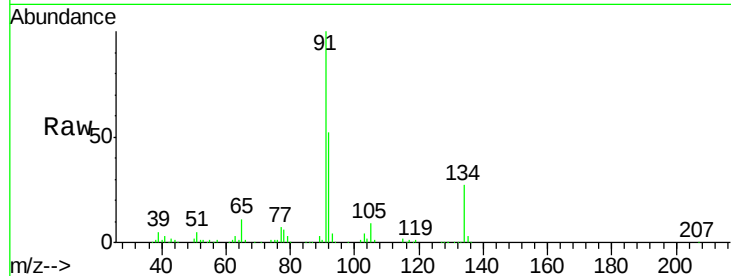
#89
n-Butylbenzene
Concen: 18.592 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.5
134	29.1	13.4	40.2

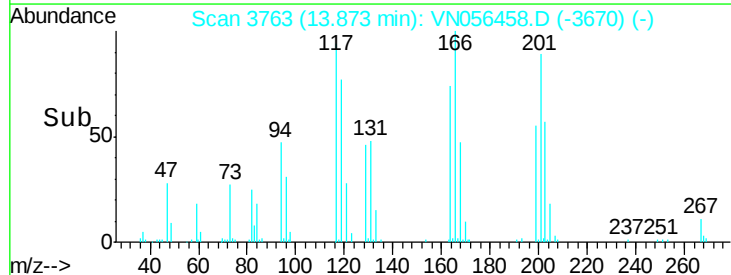
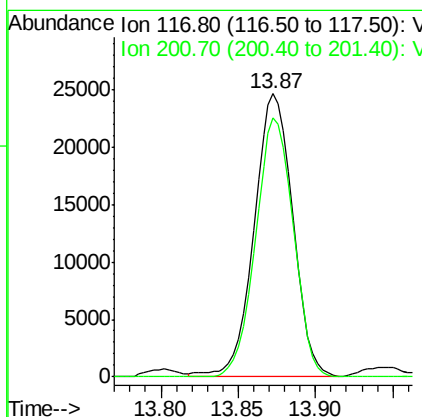
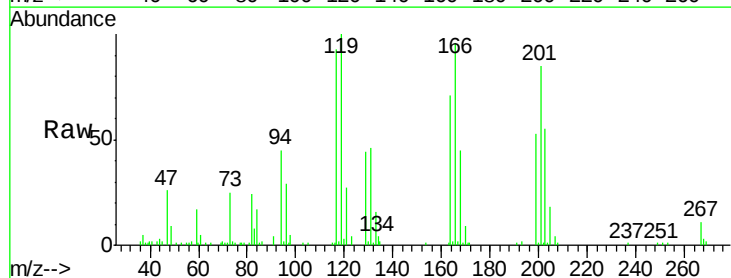
Manual Integrations
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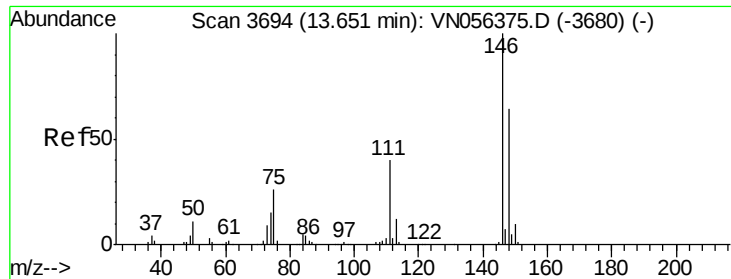
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#90
Hexachloroethane
Concen: 19.669 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	45.9	137.6





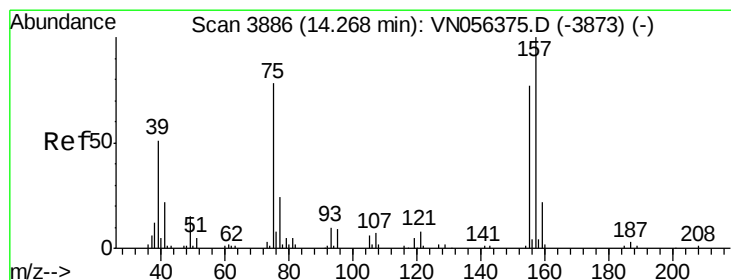
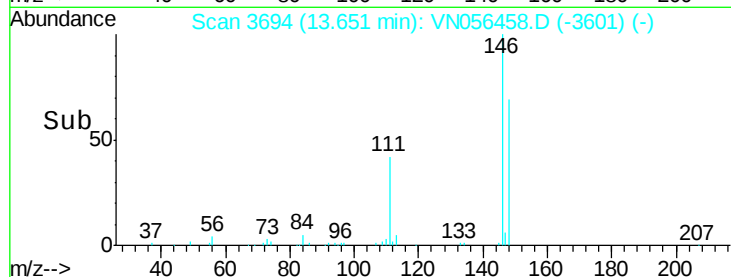
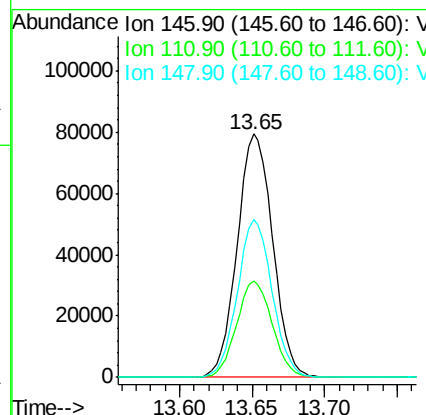
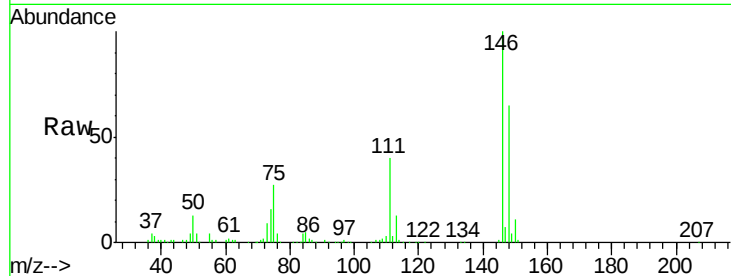
#91
 1,2-Dichlorobenzene
 Concen: 19.818 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.9
148	63.3	32.0	96.0

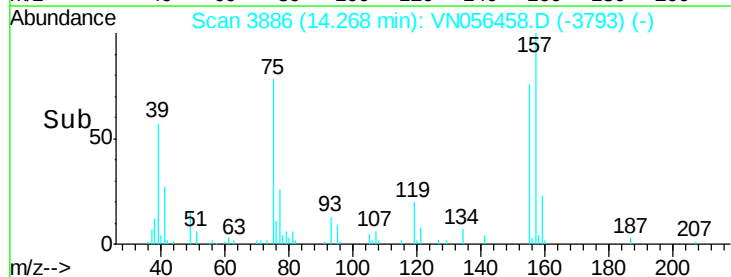
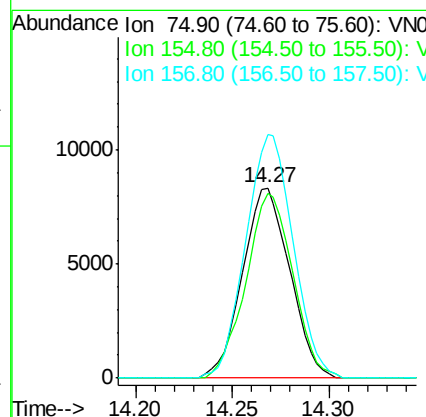
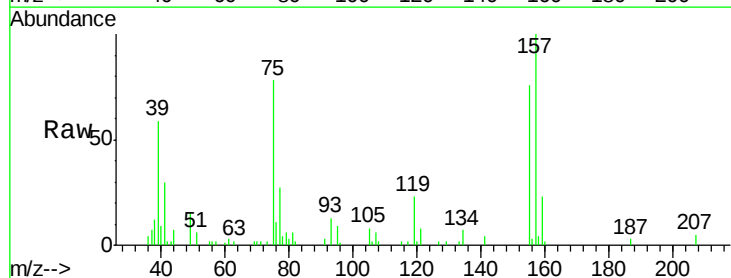
Manual Integrations
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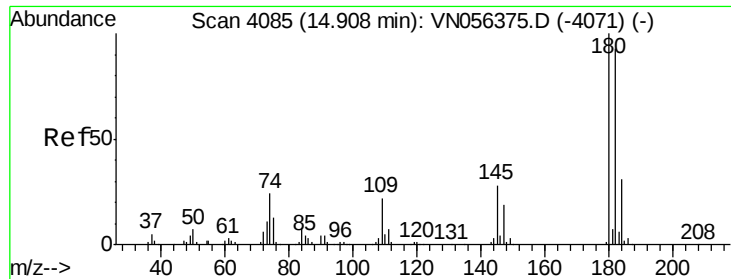
MMDadoda
 6/26/2019 8:14:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.865 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	48.9	146.8
157	128.7	62.9	188.8





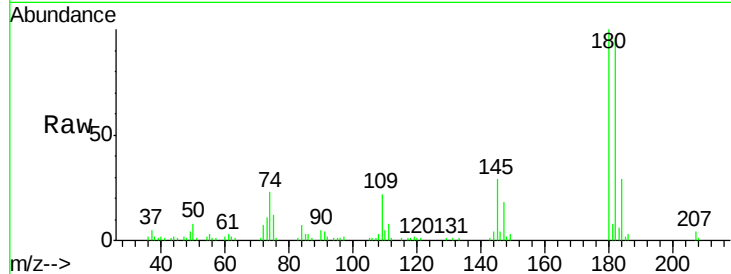
#93
 1,2,4-Trichlorobenzene
 Concen: 17.633 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

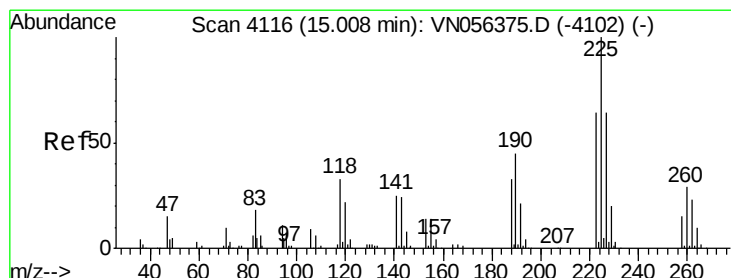
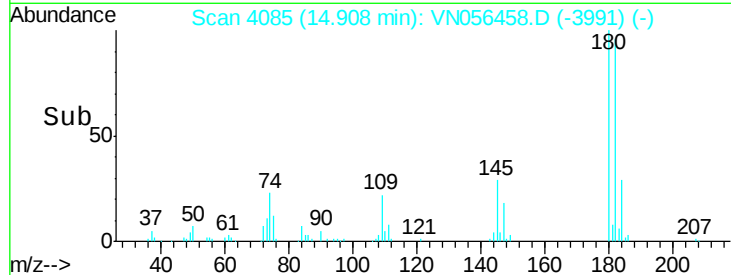
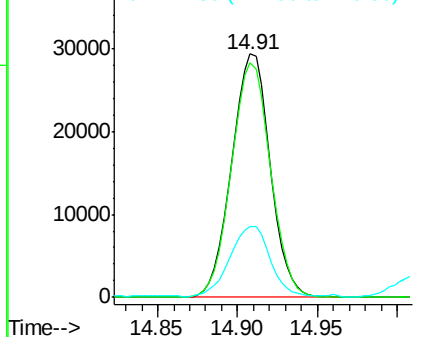
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.9	140.6
145	31.1	14.4	43.0

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 6/26/2019 8:14:26 AM

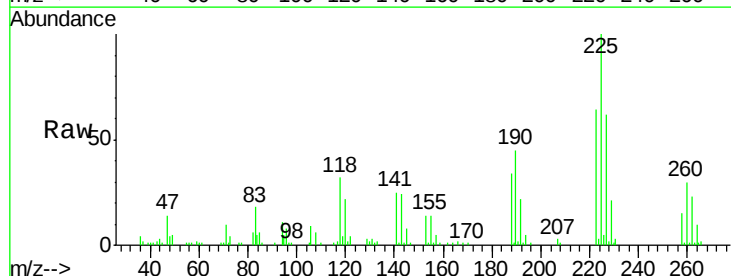


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

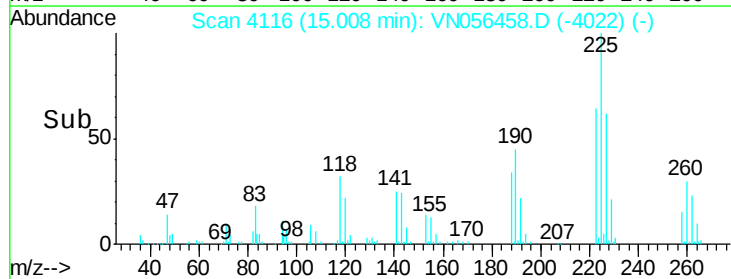
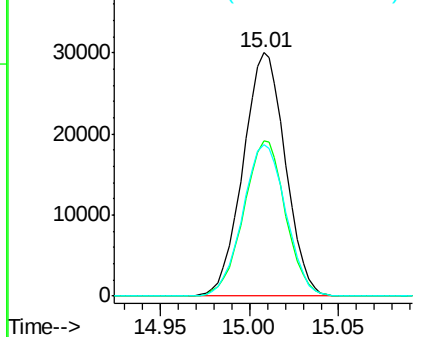


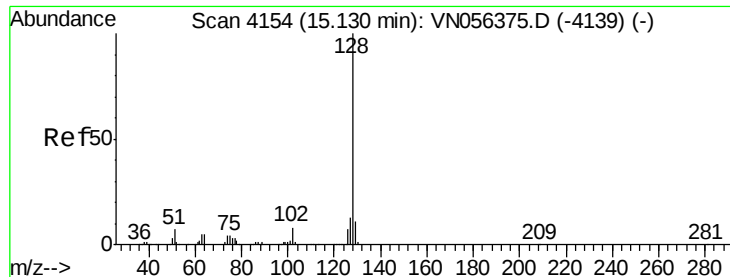
#94
 Hexachlorobutadiene
 Concen: 20.447 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.3
227	63.5	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.483 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

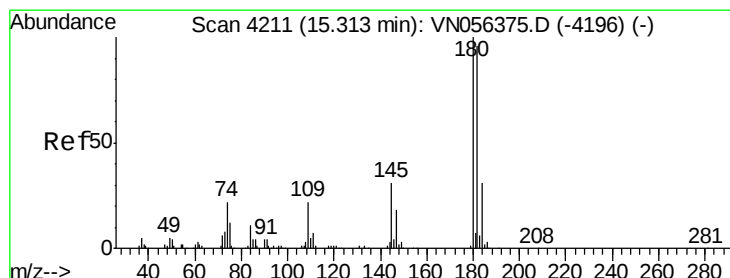
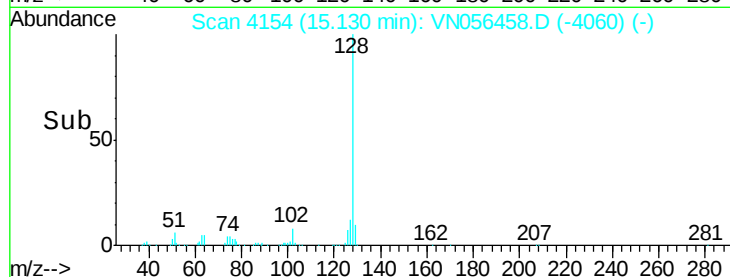
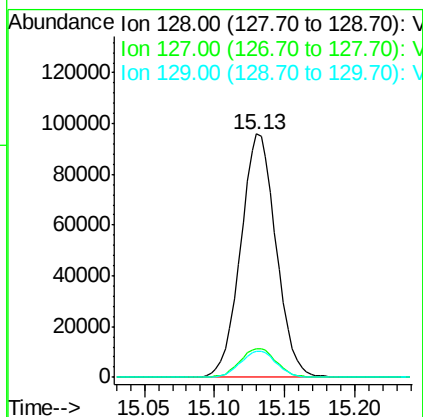
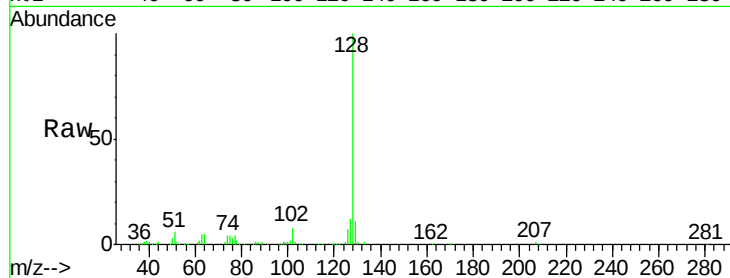
ClientSampleId :

VN0624MBSD01

Tot Ion:	128	Resp:	168307
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.822 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion:	180	Resp:	57942
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.3	144.8
145	32.4	15.4	46.1

