

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056567.D
 Acq On : 1 Jul 2019 13:14
 Operator : JC/SP
 Sample : VN0701WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:16:08 AM

Quant Time: Jul 02 01:39:36 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	7.67	168	330931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	440515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	188880	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.59	113	163748	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.09	98	601087	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	187631	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	51222	18.280	ug/l	100
3) Chloromethane	2.06	50	62774	16.453	ug/l	99
4) Vinyl Chloride	2.18	62	65234	17.702	ug/l	97
5) Bromomethane	2.53	94	40937m	18.949	ug/l	
6) Chloroethane	2.68	64	38125	17.865	ug/l	96
7) Trichlorofluoromethane	3.00	101	92269	19.356	ug/l	98
8) Diethyl Ether	3.41	74	37917	18.795	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59337	19.519	ug/l	99
10) Methyl Iodide	3.95	142	70688	17.205	ug/l	98
11) Tert butyl alcohol	4.80	59	60931	98.635	ug/l	99
12) 1,1-Dichloroethene	3.73	96	53559	18.321	ug/l	99
13) Acrolein	3.61	56	24113	46.314	ug/l	98
14) Allyl chloride	4.32	41	92816	19.073	ug/l	99
15) Acrylonitrile	4.99	53	177221	103.700	ug/l	99
16) Acetone	3.82	43	164249	89.383	ug/l	100
17) Carbon Disulfide	4.05	76	100739	15.150	ug/l	100
18) Methyl Acetate	4.33	43	77918	21.149	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	192741	19.925	ug/l	99
20) Methylene Chloride	4.55	84	67823	19.027	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	58365	18.518	ug/l	99
22) Diisopropyl ether	5.96	45	206247	20.181	ug/l	97
23) Vinyl Acetate	5.90	43	831146	103.109	ug/l	99
24) 1,1-Dichloroethane	5.85	63	118293	20.164	ug/l	98
25) 2-Butanone	6.84	43	240511	98.892	ug/l	99
26) 2,2-Dichloropropane	6.82	77	81682	20.019	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	72202	19.580	ug/l	98
28) Bromochloromethane	7.19	49	60346	20.796	ug/l	100
29) Tetrahydrofuran	7.21	42	155696	104.758	ug/l	99
30) Chloroform	7.37	83	117581	20.311	ug/l	100
31) Cyclohexane	7.65	56	99645	17.593	ug/l #	96
32) 1,1,1-Trichloroethane	7.57	97	92653	20.192	ug/l	99
36) 1,1-Dichloropropene	7.79	75	80603	18.224	ug/l	99
37) Ethyl Acetate	6.93	43	94670	21.780	ug/l	99
38) Carbon Tetrachloride	7.77	117	74937	19.375	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	93971	17.218	ug/l	98
40) Benzene	8.04	78	266467	19.586	ug/l	99
41) Methacrylonitrile	7.18	41	43970m	22.909	ug/l	
42) 1,2-Dichloroethane	8.12	62	90308	20.113	ug/l	99
43) Isopropyl Acetate	8.17	43	136847	20.418	ug/l	98
44) Trichloroethene	8.84	130	69346	18.922	ug/l	95
45) 1,2-Dichloropropane	9.12	63	73763	20.273	ug/l	99
46) Dibromomethane	9.21	93	47054	20.671	ug/l	97
47) Bromodichloromethane	9.40	83	84021	20.811	ug/l	99
48) Methyl methacrylate	9.20	41	64392	19.172	ug/l	98
49) 1,4-Dioxane	9.21	88	27753	398.176	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	445365	102.952	ug/l	99
52) Toluene	10.16	92	162470	19.533	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	82172	19.356	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	98368	20.233	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70425	21.064	ug/l	97
56) Ethyl methacrylate	10.43	69	94485	19.337	ug/l	98
57) 1,3-Dichloropropane	10.71	76	113743	20.251	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	133893	76.277	ug/l	100
59) 2-Hexanone	10.75	43	314229	98.832	ug/l	99
60) Dibromochloromethane	10.90	129	63390	19.949	ug/l	97
61) 1,2-Dibromoethane	11.00	107	68518	20.065	ug/l	99
64) Tetrachloroethene	10.63	164	68084	19.517	ug/l	97
65) Chlorobenzene	11.43	112	172246	19.459	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	63691	21.290	ug/l	98
67) Ethyl Benzene	11.51	91	291766	18.773	ug/l	100
68) m/p-Xylenes	11.62	106	212910	37.380	ug/l	98
69) o-Xylene	11.95	106	106761	18.946	ug/l	99
70) Styrene	11.96	104	168287	18.684	ug/l	99
71) Bromoform	12.13	173	42151	19.510	ug/l #	98
73) Isopropylbenzene	12.25	105	285489	23.930	ug/l	100
74) N-amyl acetate	12.07	43	105466	22.085	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	94784	25.669	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76052m	24.443	ug/l	
77) Bromobenzene	12.53	156	71523	21.317	ug/l	96
78) n-propylbenzene	12.59	91	281093	20.456	ug/l	99
79) 2-Chlorotoluene	12.67	91	184957	23.191	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	223415	22.412	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18885	21.573	ug/l	93
82) 4-Chlorotoluene	12.77	91	162172	19.988	ug/l	100
83) tert-Butylbenzene	12.99	119	203046	23.196	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	205329	20.327	ug/l	99
85) sec-Butylbenzene	13.17	105	251630	20.834	ug/l	99
86) p-Isopropyltoluene	13.29	119	202778	19.564	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	100685	19.802	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93591	19.006	ug/l	99
89) n-Butylbenzene	13.61	91	128704	16.402	ug/l	99
90) Hexachloroethane	13.87	117	37134	22.980	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	103488	20.514	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12359	22.260	ug/l	94

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	28591	15.275	ug/l	98
94) Hexachlorobutadiene	15.01	225	37993	21.140	ug/l	98
95) Naphthalene	15.13	128	82628	16.017	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33606	15.721	ug/l	98

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

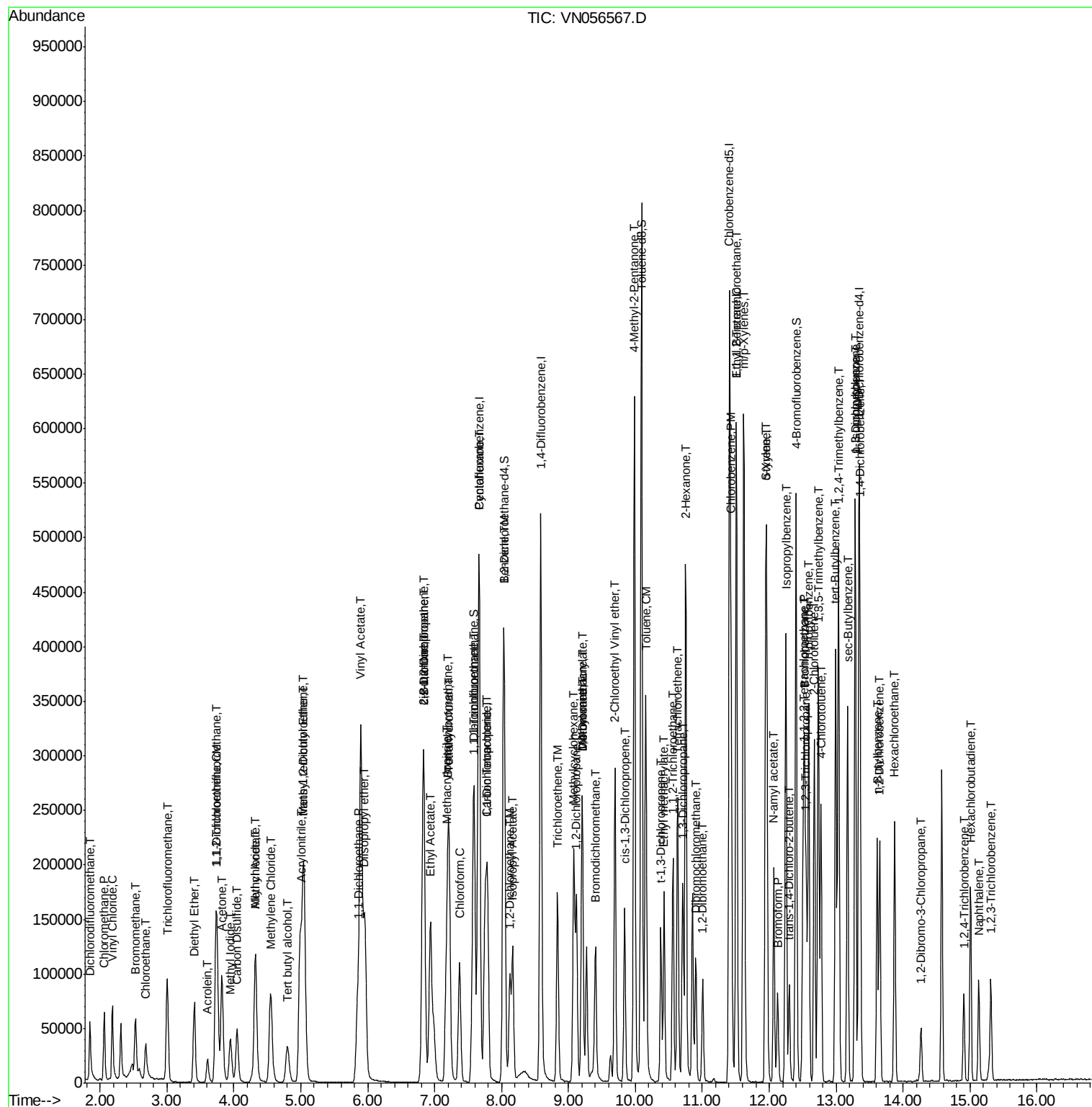
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056567.D
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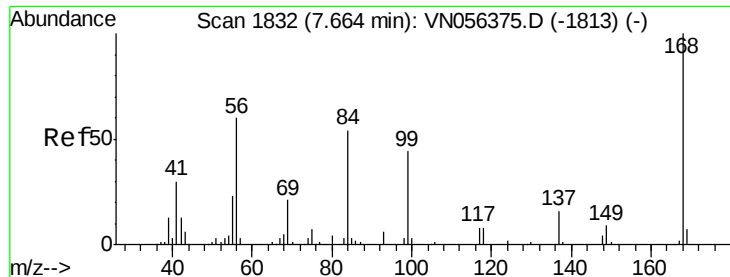
Instrument :
 MSVOA_N
 Client Sampled :
 VN0701WBS01

Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS01

Tot Ion:168 Resp: 330931

Ion Ratio Lower Upper

168 100

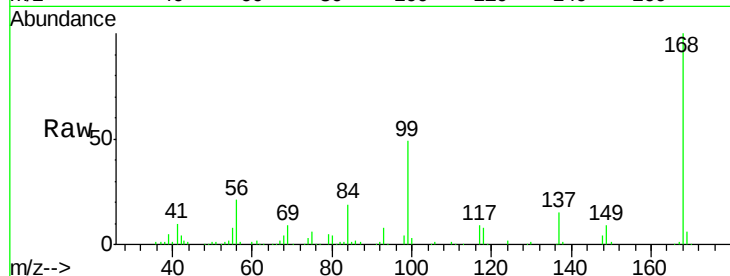
99 48.9 40.6 61.0

Manual Integrations

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7/3/2019 9:16:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

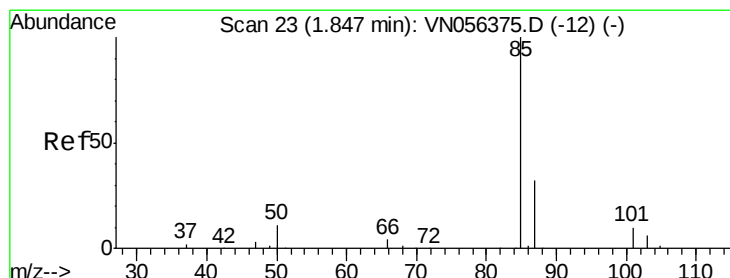
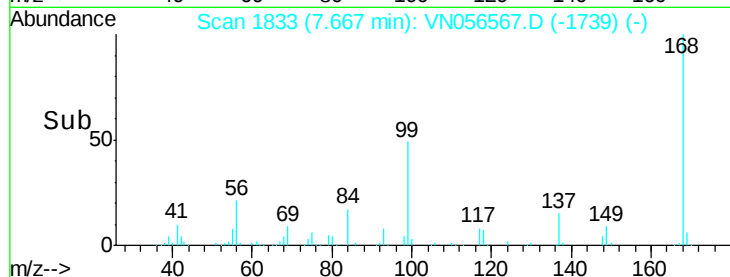
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.280 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056567.D

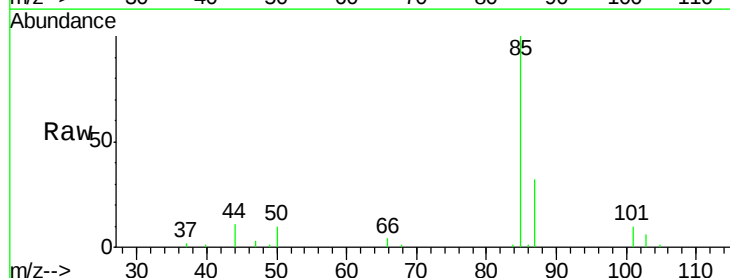
Acq: 1 Jul 2019 13:14

Tgt Ion: 85 Resp: 51222

Ion Ratio Lower Upper

85 100

87 32.4 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

30000

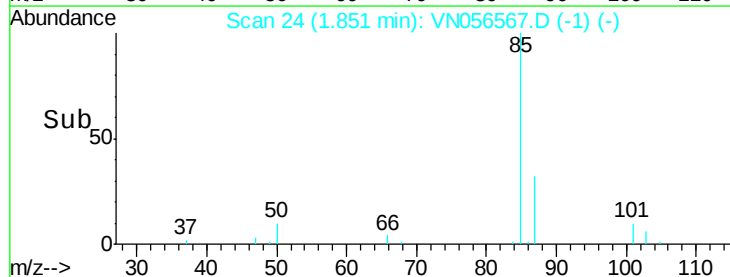
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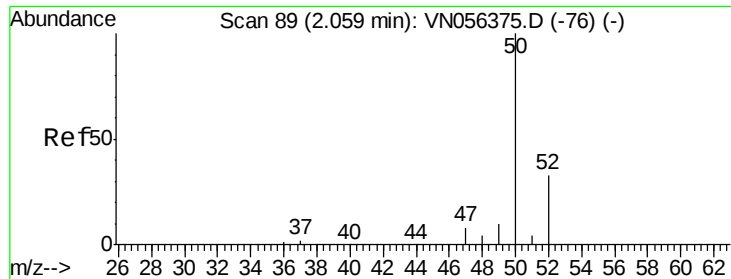
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0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 16.453 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS01

Tot Ion: 50 Resp: 62774

Ion Ratio Lower Upper

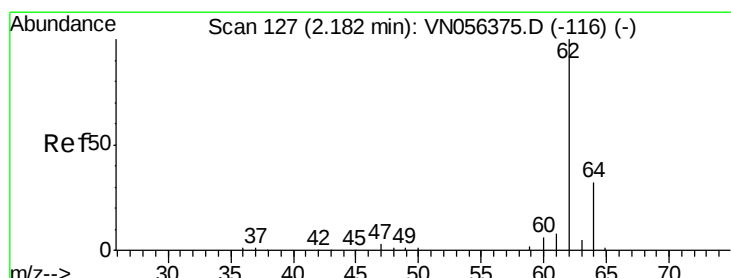
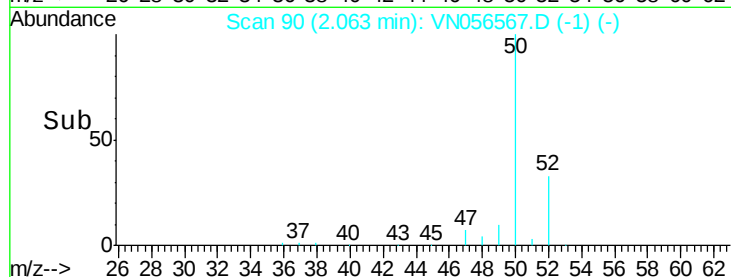
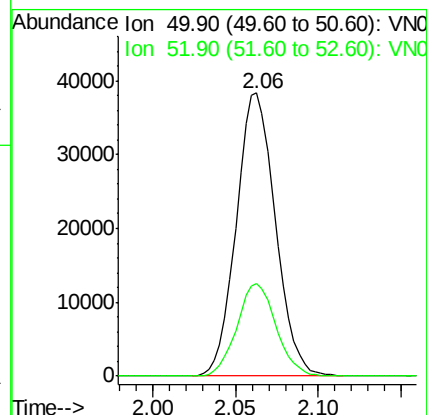
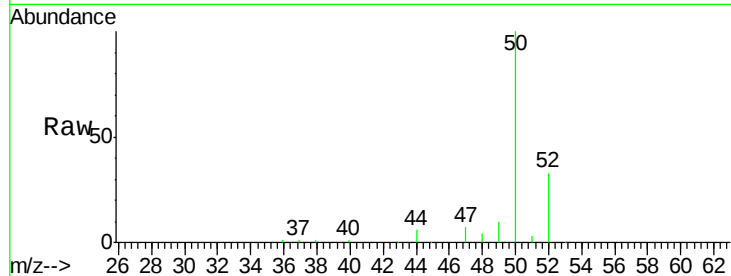
50 100

52 32.7 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.702 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056567.D

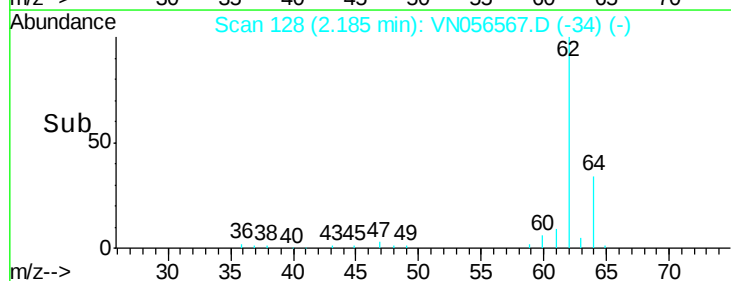
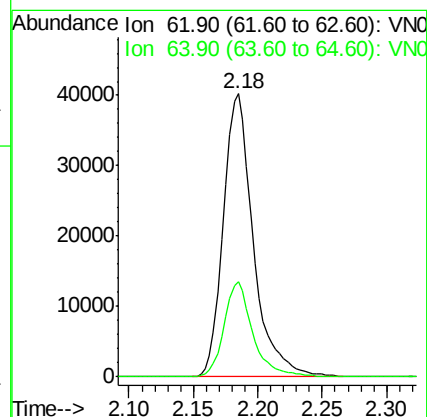
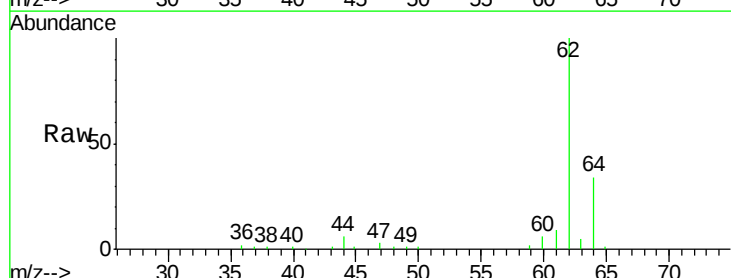
Acq: 1 Jul 2019 13:14

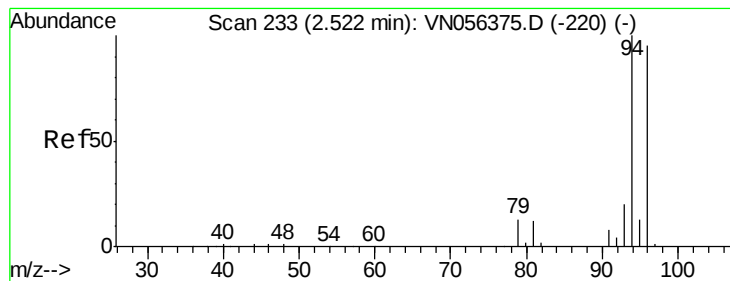
Tgt Ion: 62 Resp: 65234

Ion Ratio Lower Upper

62 100

64 33.7 25.7 38.5





#5

Bromomethane

Concen: 18.949 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS01

Tot Ion: 94 Resp: 40937

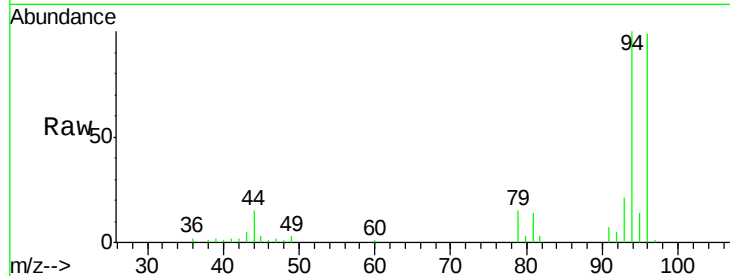
Ion Ratio Lower Upper

94 100

96 98.5 76.0 114.0

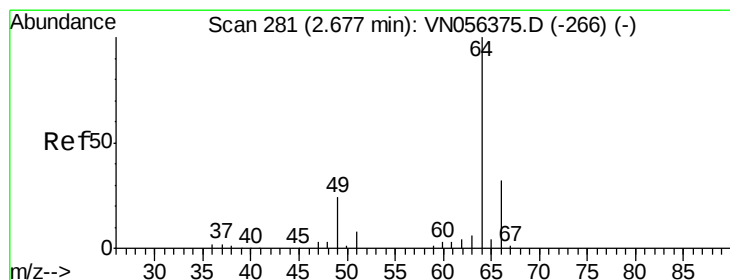
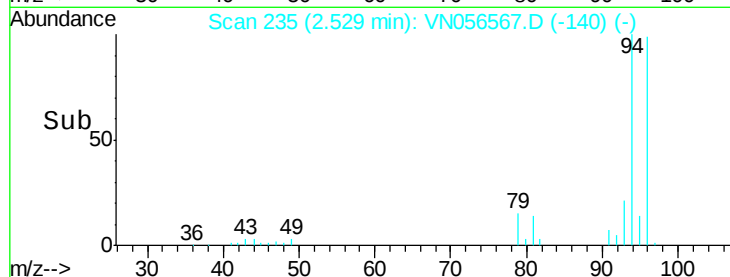
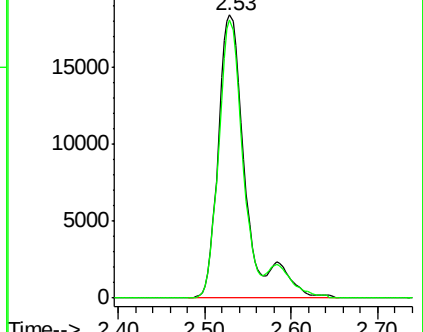
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7/3/2019 9:16:08 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.865 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN056567.D

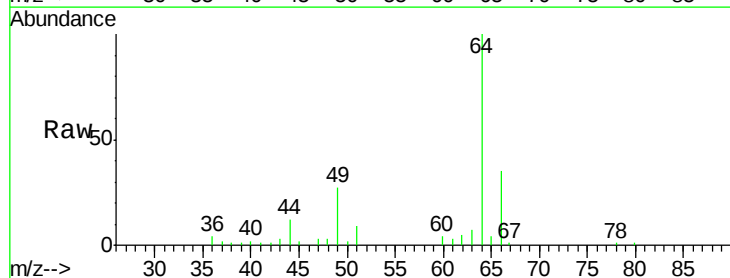
Acq: 1 Jul 2019 13:14

Tgt Ion: 64 Resp: 38125

Ion Ratio Lower Upper

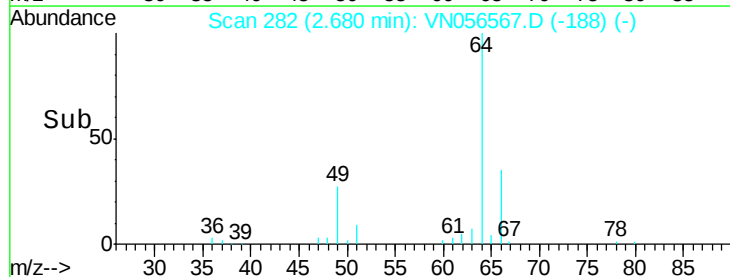
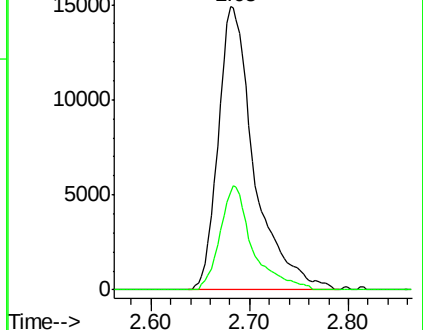
64 100

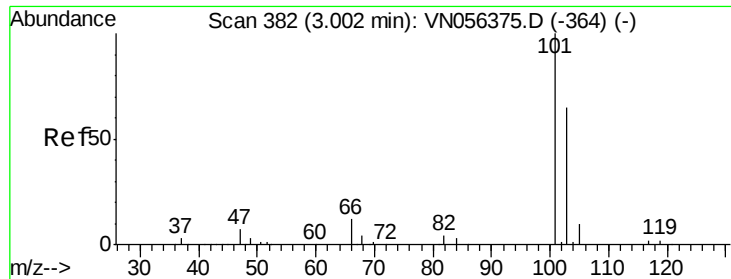
66 34.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

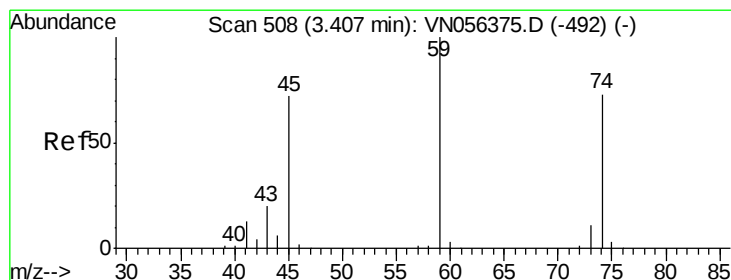
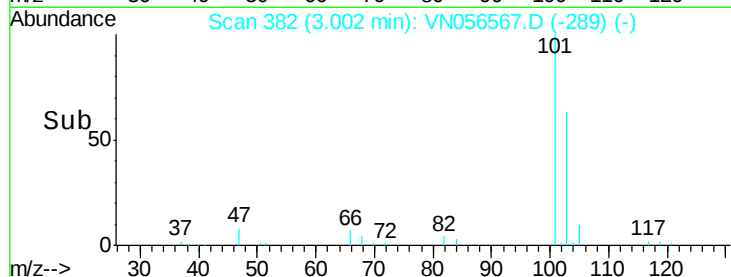
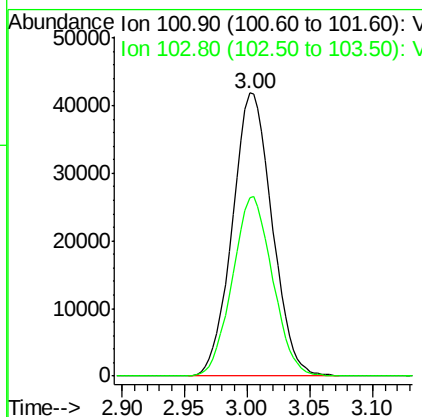
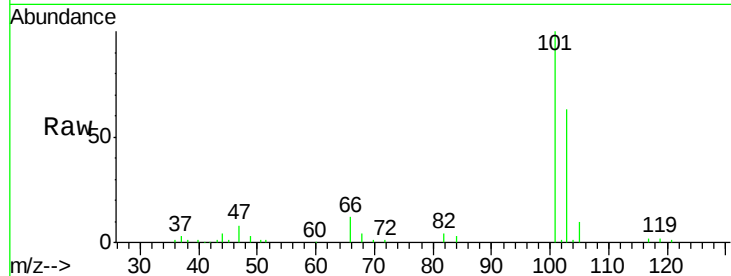
Trichlorofluoromethane
Concen: 19.356 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion:101 Resp: 92269
Ion Ratio Lower Upper
101 100
103 63.2 51.7 77.5

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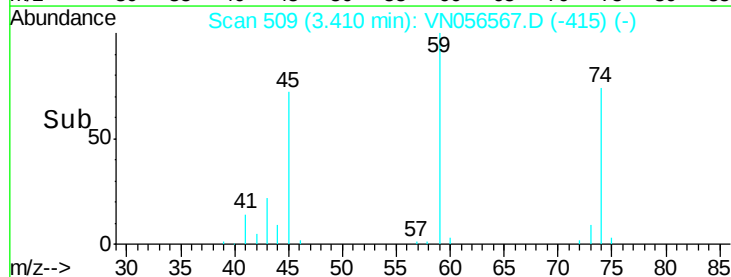
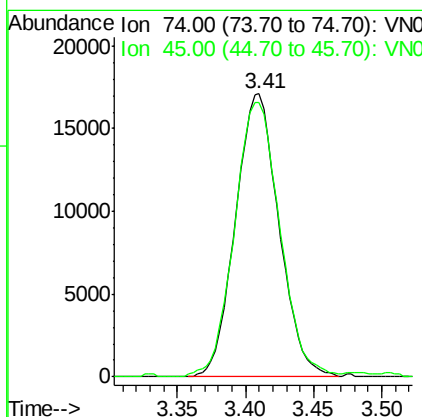
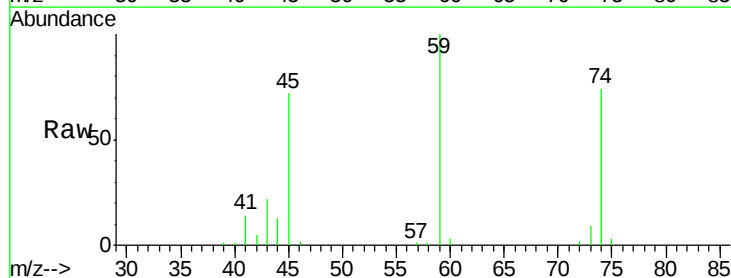
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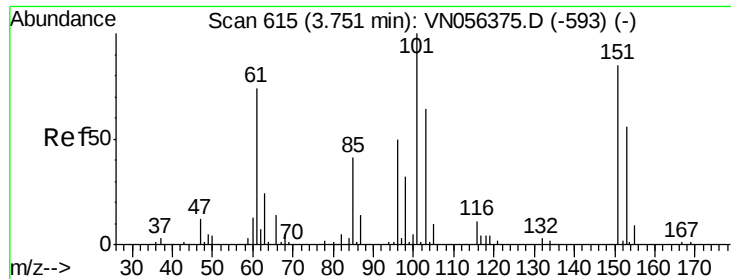


#8

Diethyl Ether
Concen: 18.795 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion: 74 Resp: 37917
Ion Ratio Lower Upper
74 100
45 101.3 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.519 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

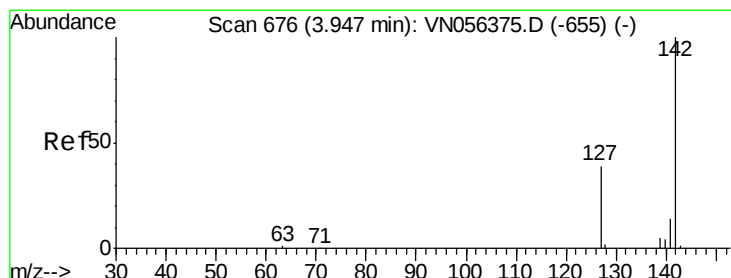
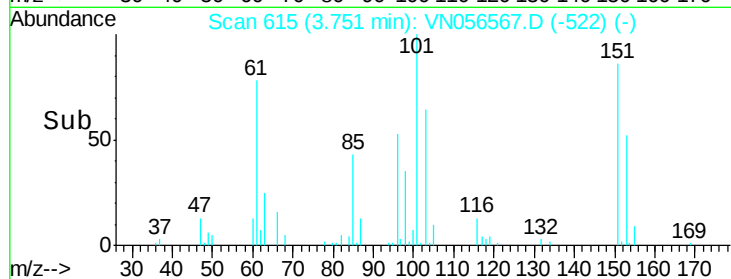
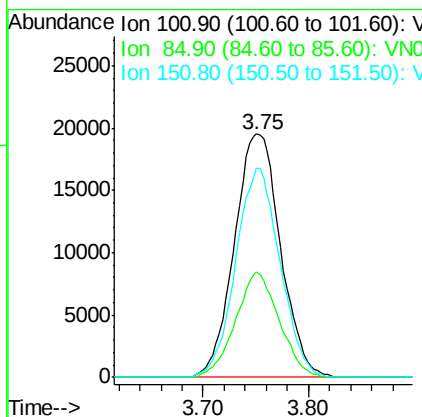
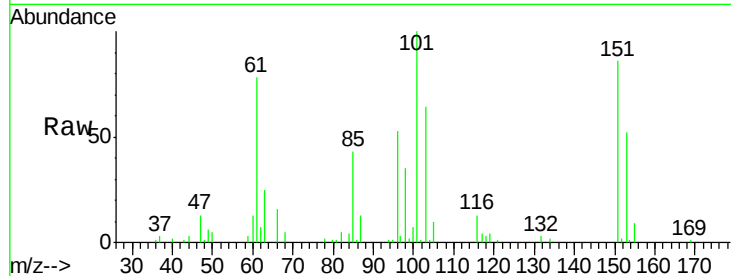
ClientSampled :

VN0701WBS01

Tot Ion:	101	Resp:	59337
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.7	49.1
151	82.5	66.8	100.2

Manual Integrations
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7/3/2019 9:16:08 AM



#10

Methyl Iodide

Concen: 17.205 ug/l

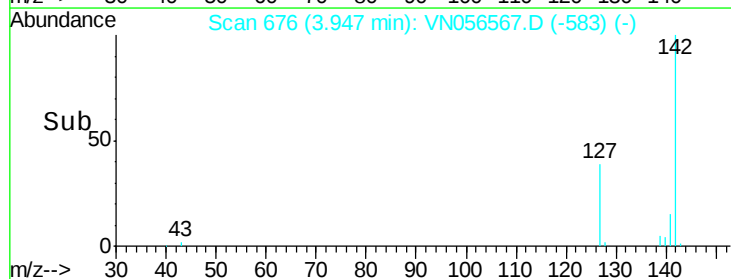
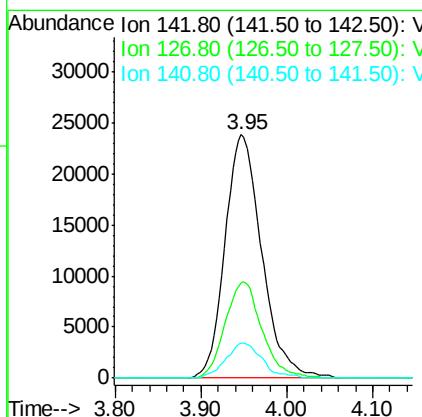
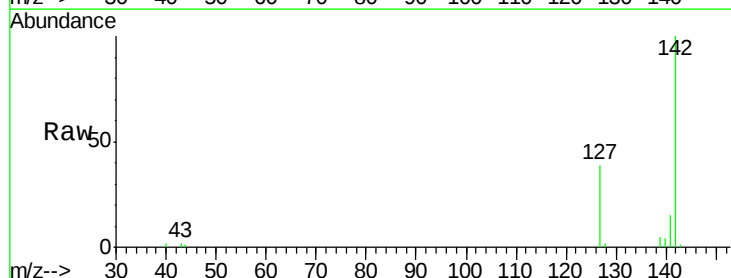
RT: 3.95 min Scan# 676

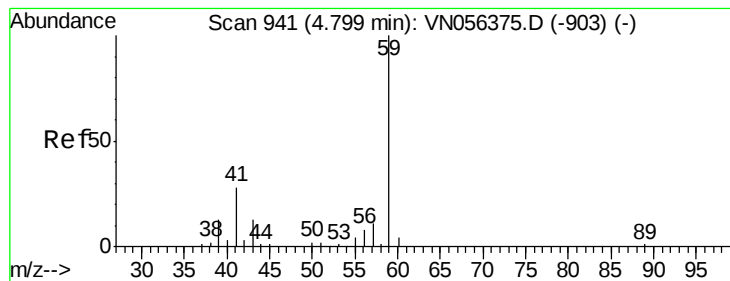
Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Tgt Ion:	142	Resp:	70688
Ion Ratio	Lower	Upper	
142	100		
127	39.7	30.6	46.0
141	14.2	11.4	17.2





#11

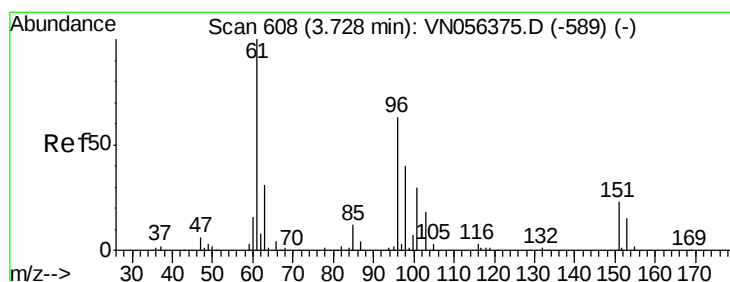
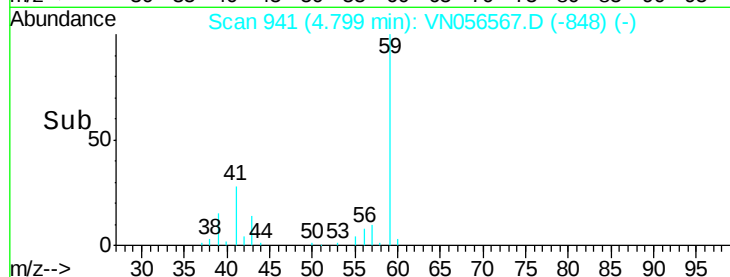
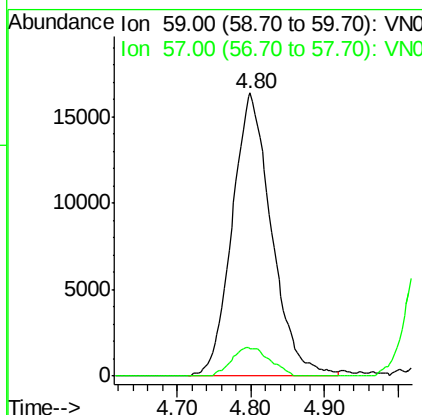
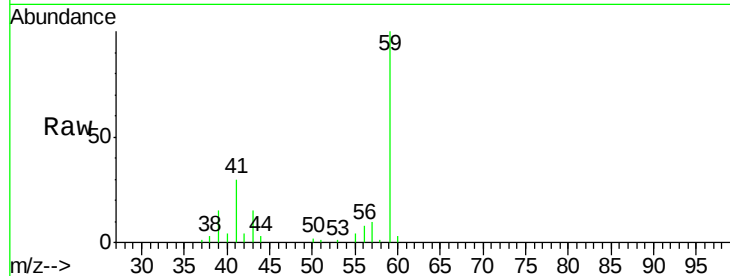
Tert butyl alcohol
 Concen: 98.635 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.6	11.4

Manual Integrations
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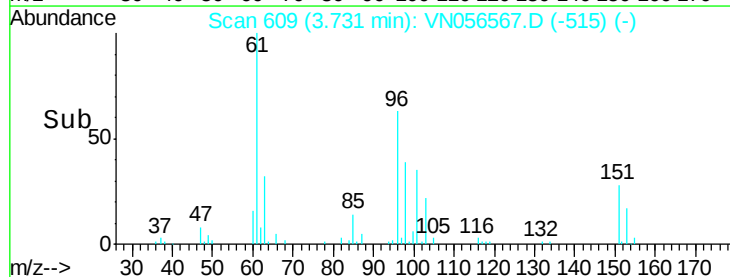
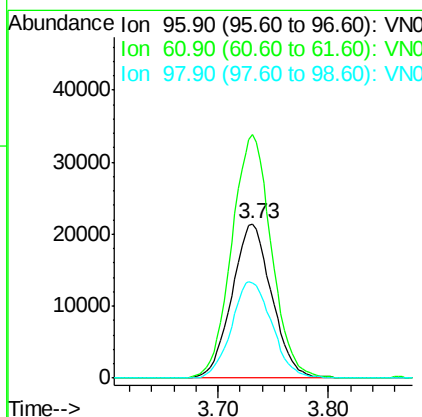
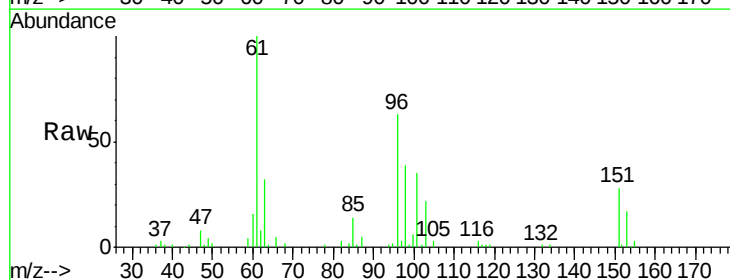
MMDadoda
 7/3/2019 9:16:08 AM

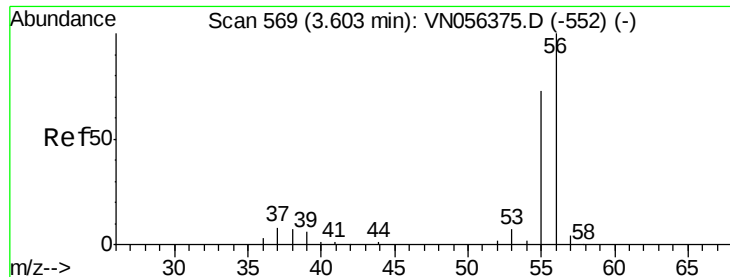


#12

1,1-Dichloroethene
 Concen: 18.321 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	126.6	190.0
98	61.9	51.1	76.7





#13

Acrolein

Concen: 46.314 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0701WBS01

Tot Ion: 56 Resp: 24113

Ion Ratio Lower Upper

56 100

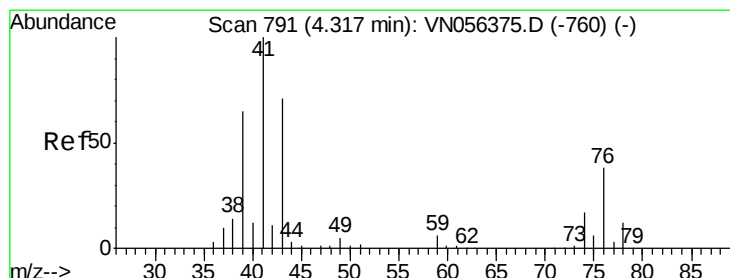
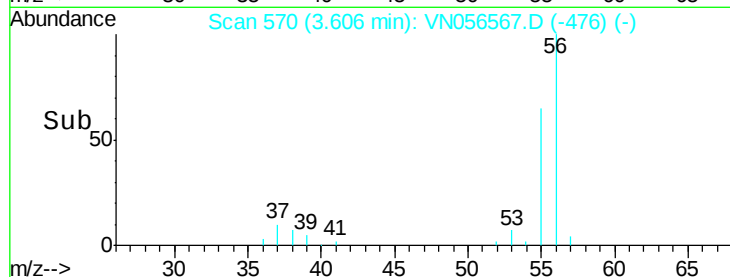
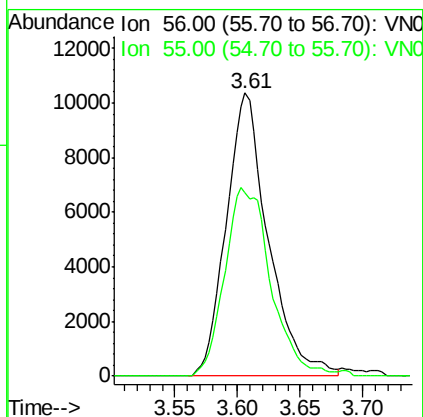
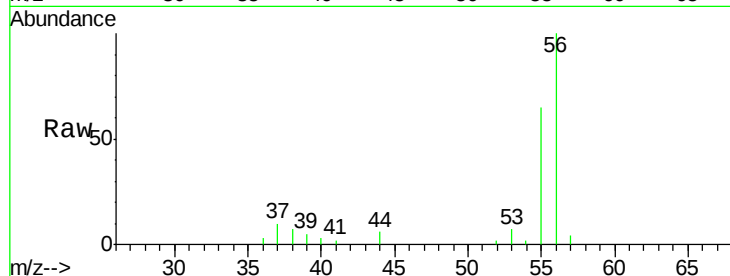
55 72.9 57.1 85.7

Manual Integrations

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7/3/2019 9:16:08 AM



#14

Allyl chloride

Concen: 19.073 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

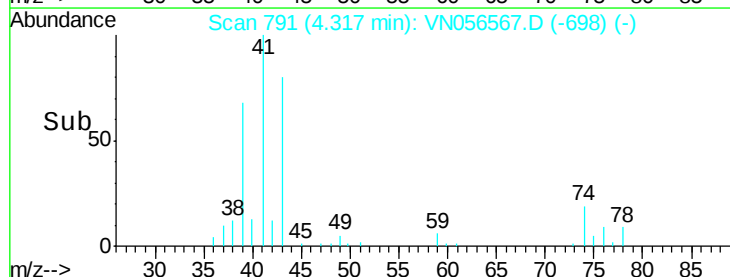
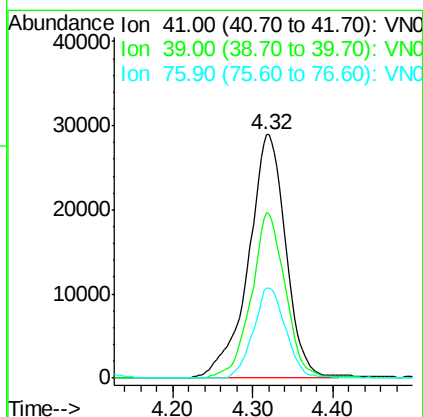
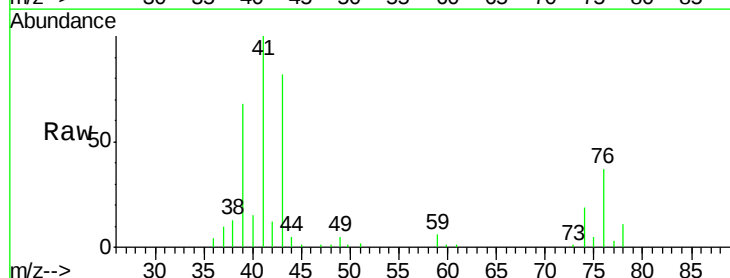
Tgt Ion: 41 Resp: 92816

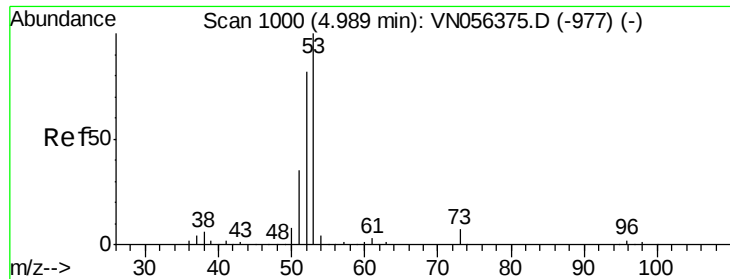
Ion Ratio Lower Upper

41 100

39 61.1 48.6 73.0

76 31.8 26.6 40.0





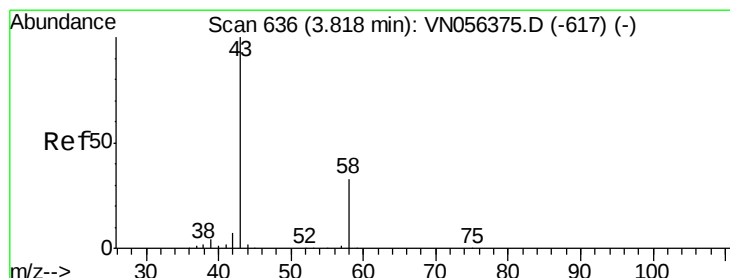
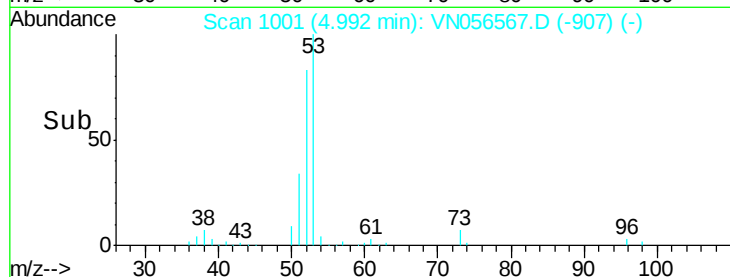
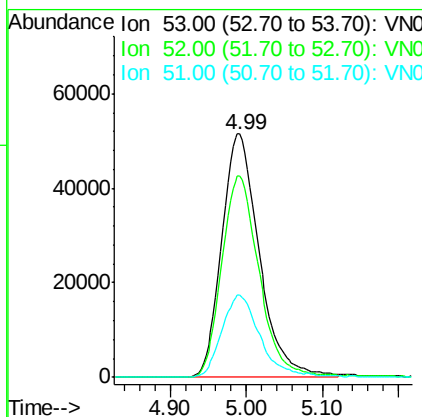
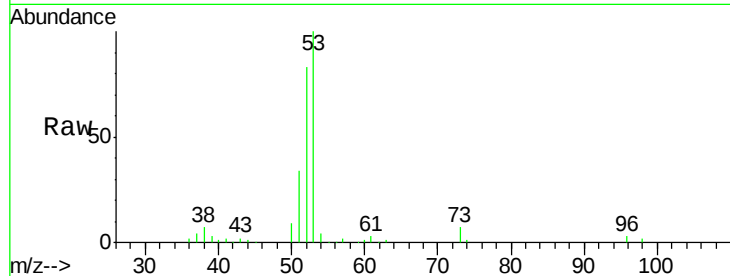
#15
 Acrylonitrile
 Concen: 103.700 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.9	98.9
51	34.4	28.3	42.5

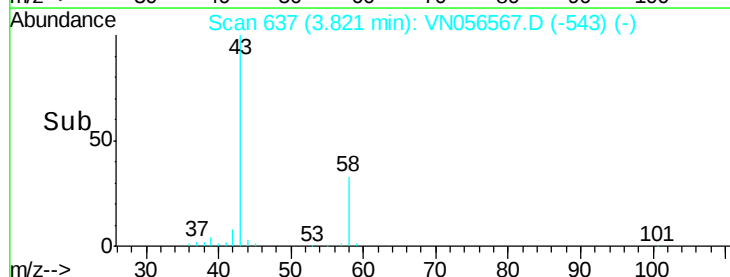
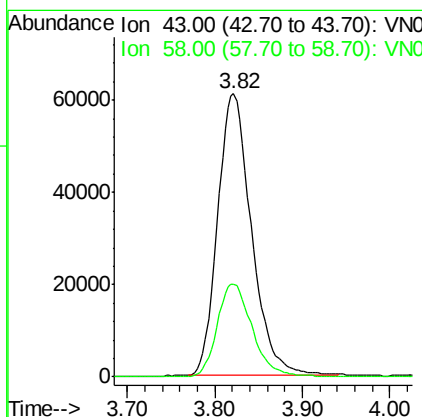
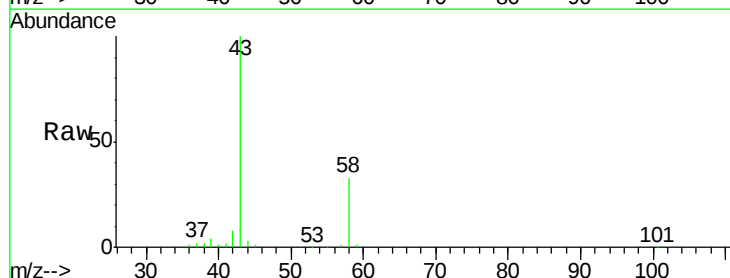
Manual Integrations
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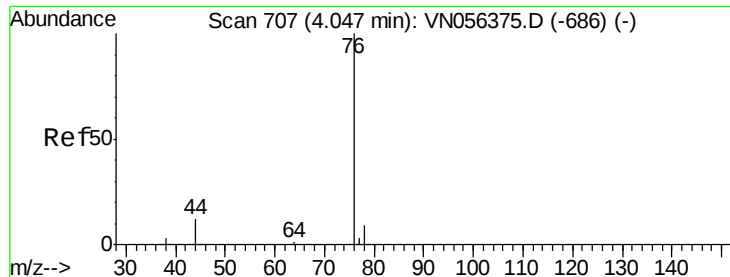
MMDadoda
 7/3/2019 9:16:08 AM



#16
 Acetone
 Concen: 89.383 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.4	39.6





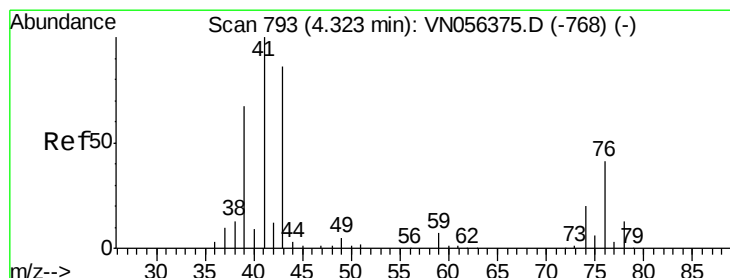
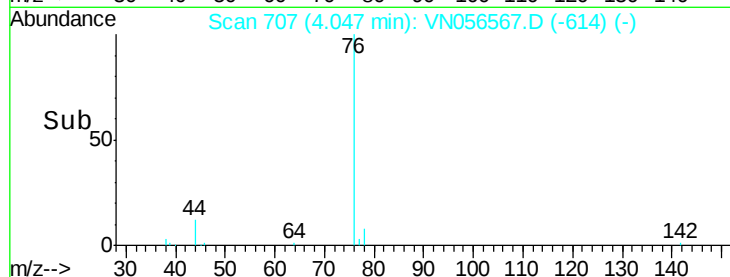
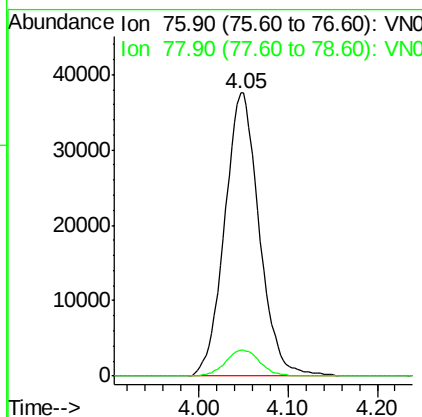
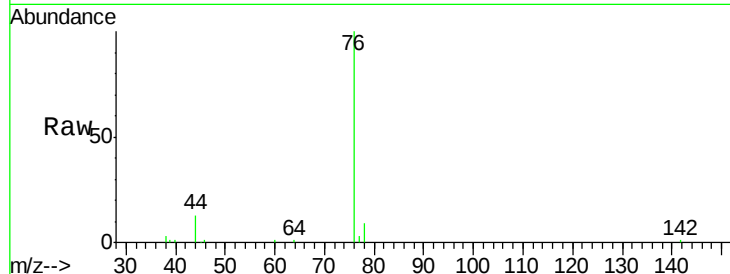
#17
Carbon Disulfide
Concen: 15.150 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion: 76 Resp: 100739
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

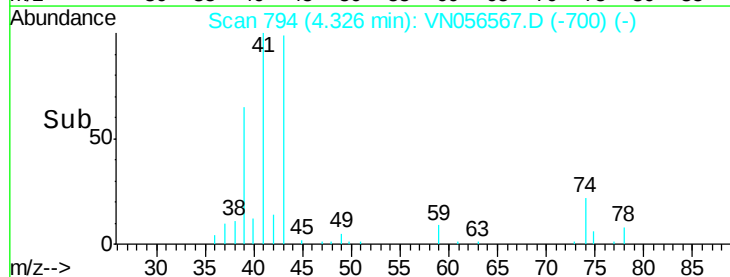
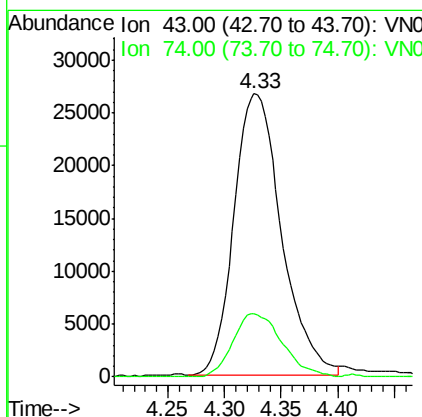
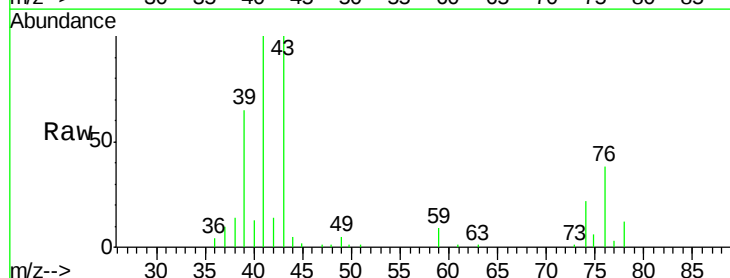
Manual Integrations
APPROVED

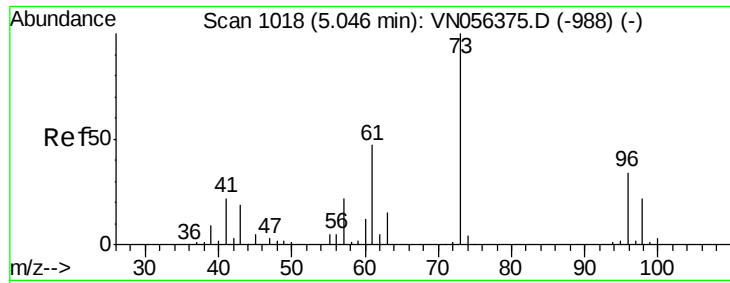
MMDadoda
7/3/2019 9:16:08 AM



#18
Methyl Acetate
Concen: 21.149 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion: 43 Resp: 77918
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8





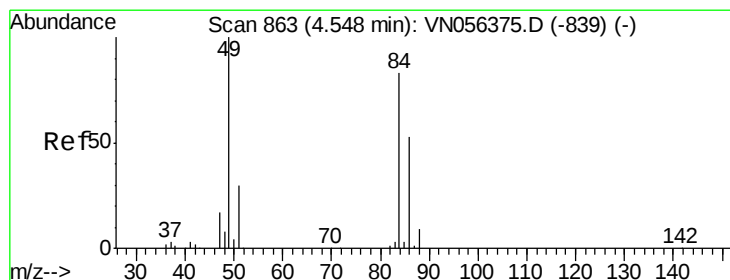
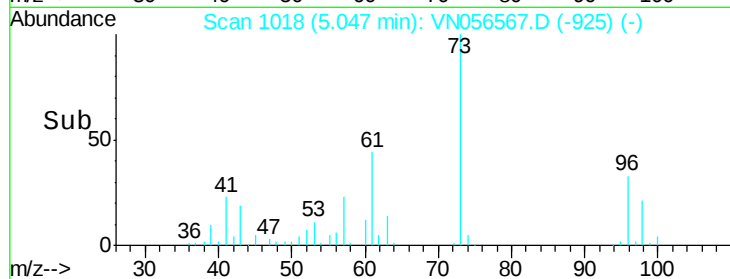
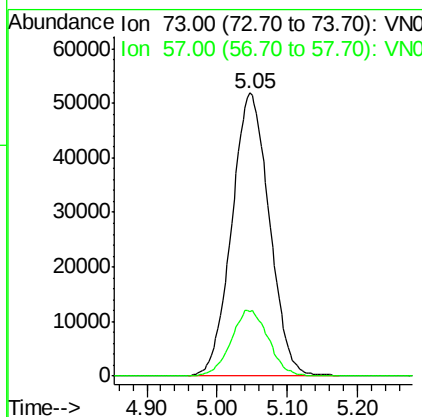
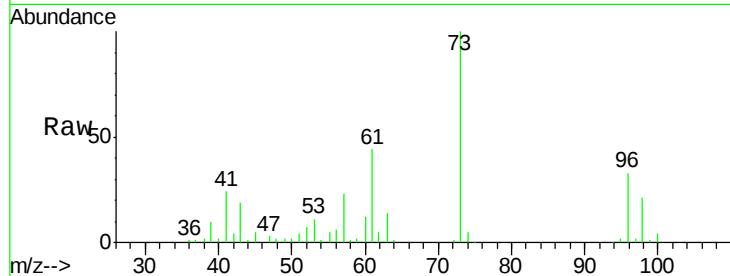
#19
Methyl tert-butyl Ether
Concen: 19.925 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS01

Tot Ion: 73 Resp: 192741
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

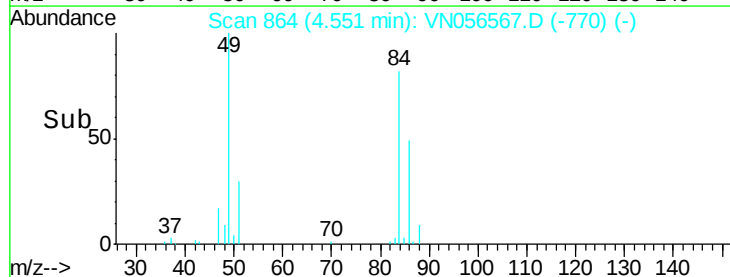
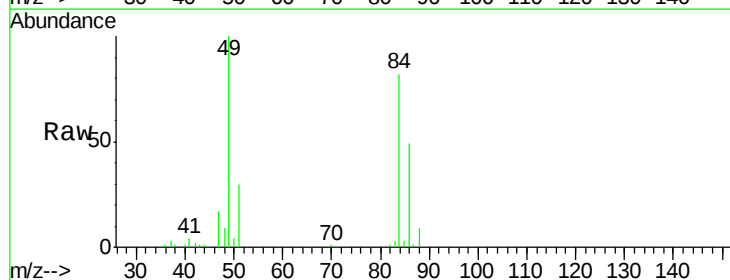
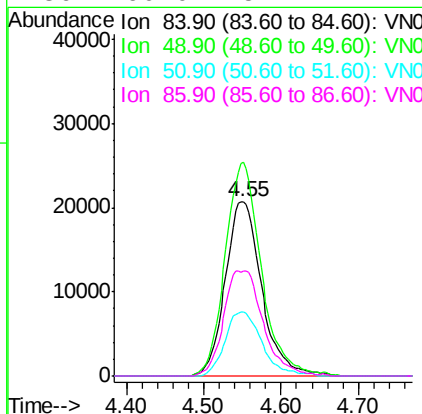
Manual Integrations
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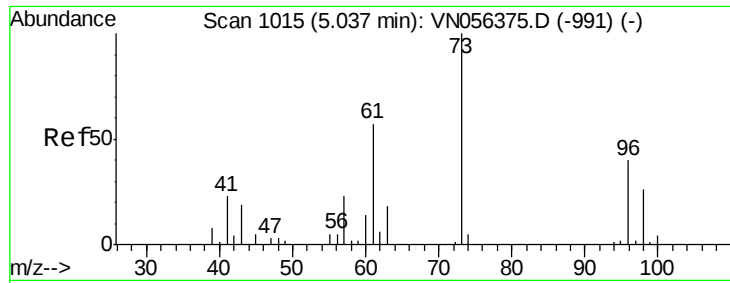
MMDadoda
7/3/2019 9:16:08 AM



#20
Methylene Chloride
Concen: 19.027 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion: 84 Resp: 67823
Ion Ratio Lower Upper
84 100
49 122.4 96.4 144.6
51 37.0 28.6 43.0
86 60.0 51.4 77.2





#21

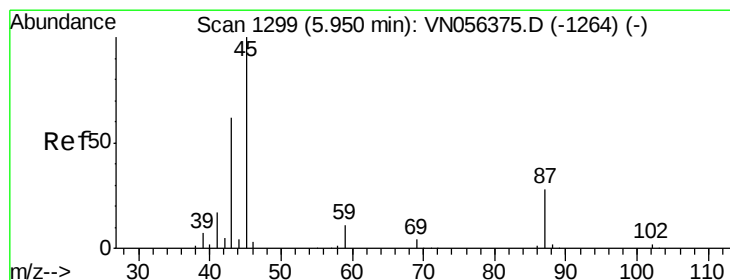
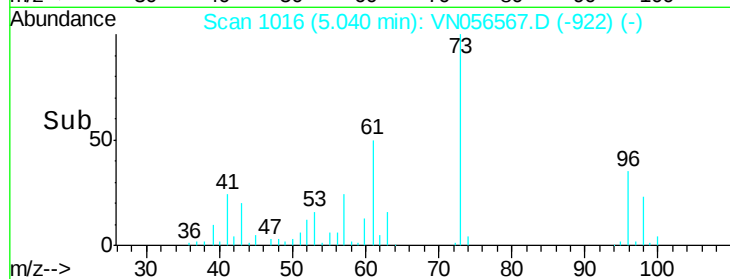
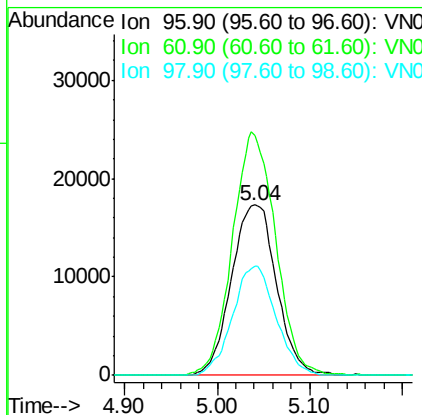
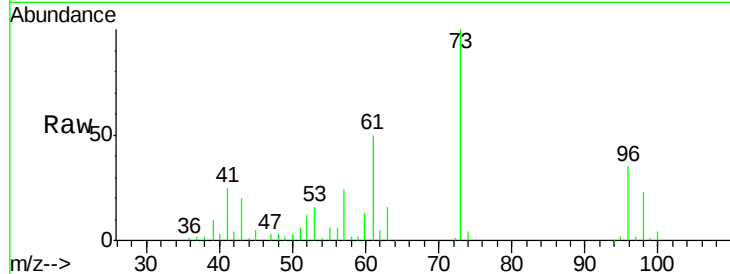
trans-1,2-Dichloroethene
Concen: 18.518 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	113.0	169.6
98	64.2	52.2	78.2

Manual Integrations
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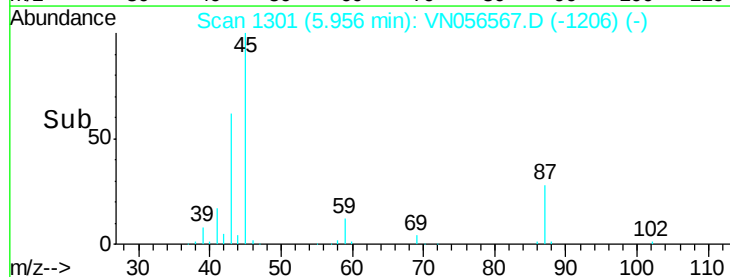
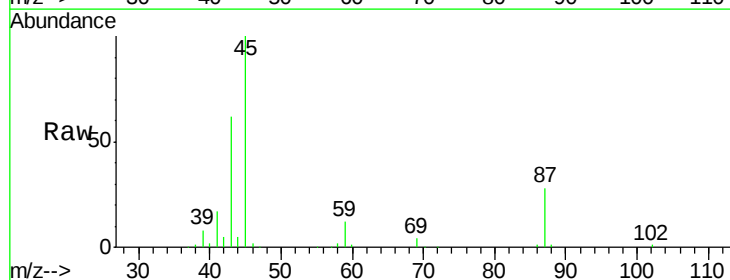
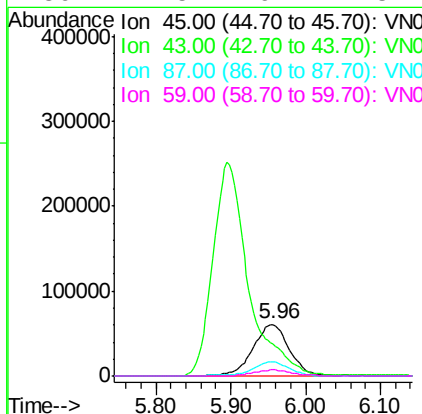
MMDadoda
7/3/2019 9:16:08 AM

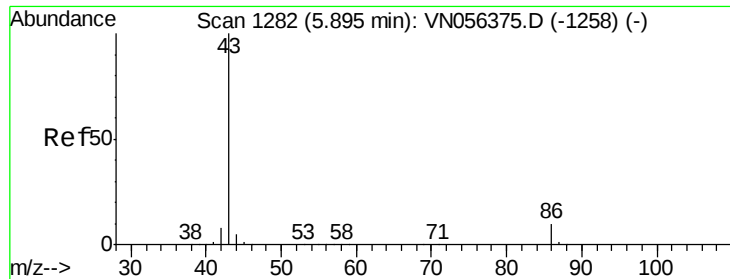


#22

Diisopropyl ether
Concen: 20.181 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	50.4	75.6
87	27.3	23.0	34.4
59	11.5	9.1	13.7





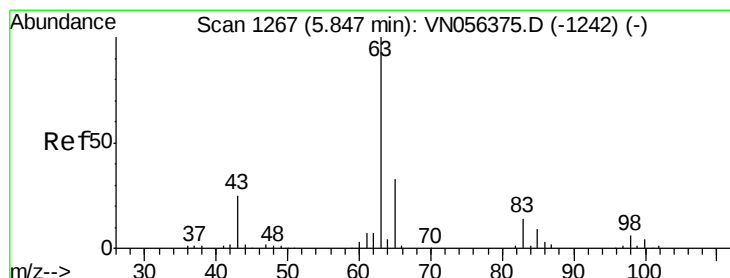
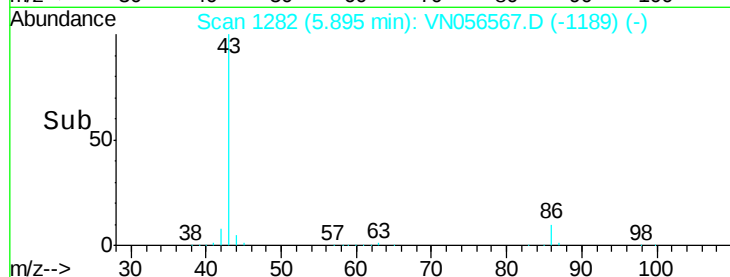
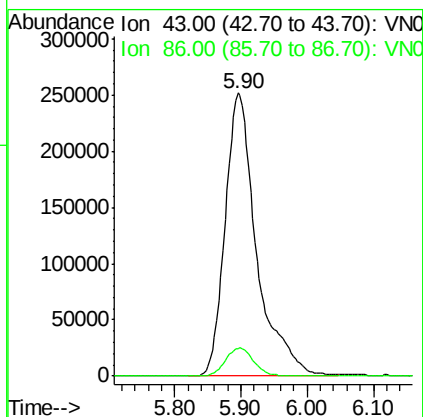
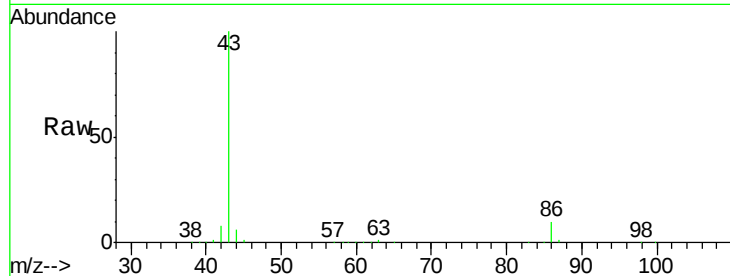
#23
 Vinyl Acetate
 Concen: 103.109 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	43	Resp	831146
Ion Ratio	100	Lower	Upper
43	100		
86	9.9	8.3	12.5

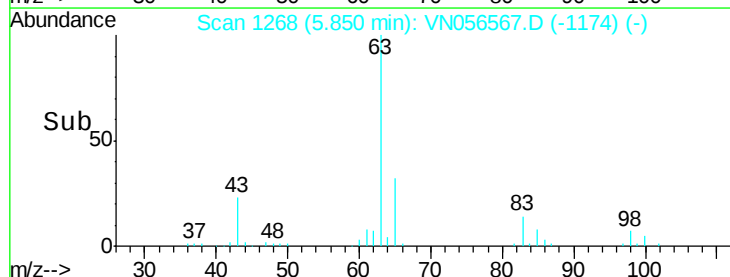
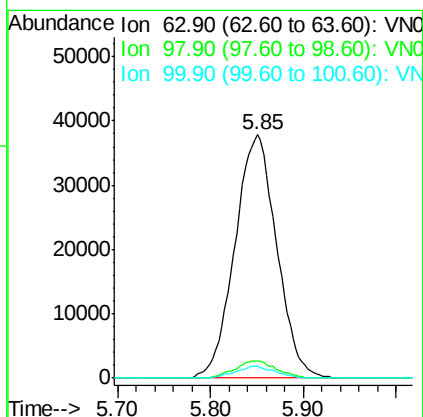
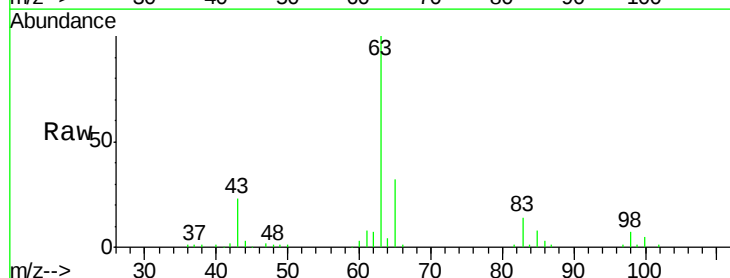
Manual Integrations
 APPROVED

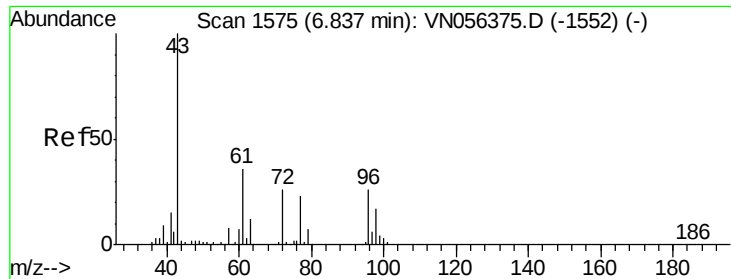
MMDadoda
 7/3/2019 9:16:08 AM



#24
 1,1-Dichloroethane
 Concen: 20.164 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	63	Resp	118293
Ion Ratio	100	Lower	Upper
63	100		
98	7.2	3.2	9.6
100	4.7	2.1	6.5





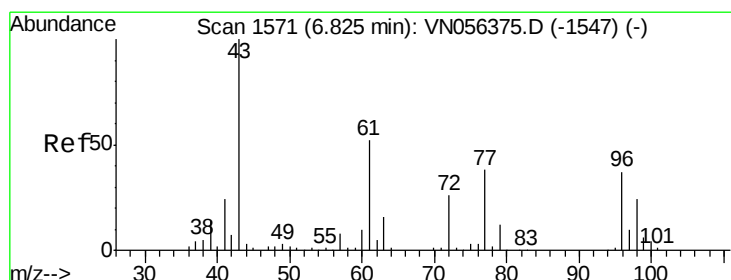
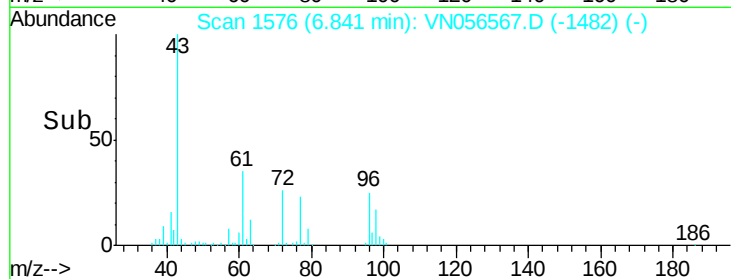
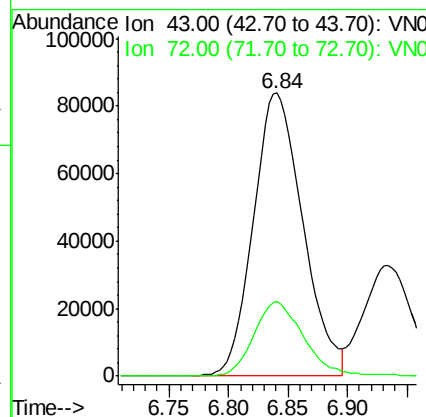
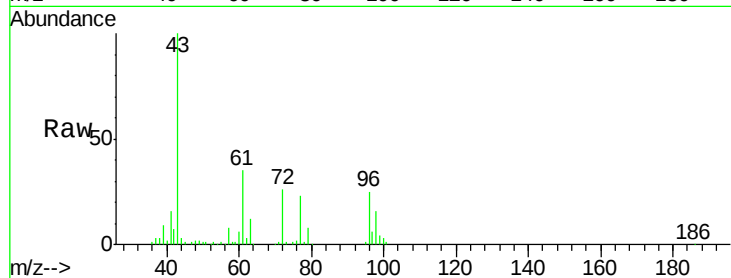
#25
2-Butanone
Concen: 98.892 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion: 43 Resp: 240511
Ion Ratio Lower Upper
43 100
72 26.3 20.6 31.0

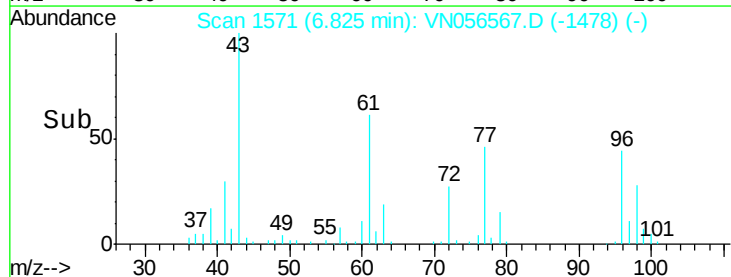
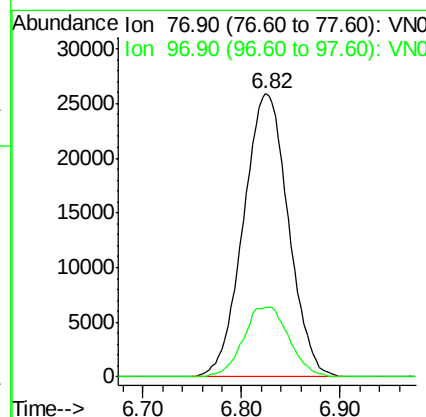
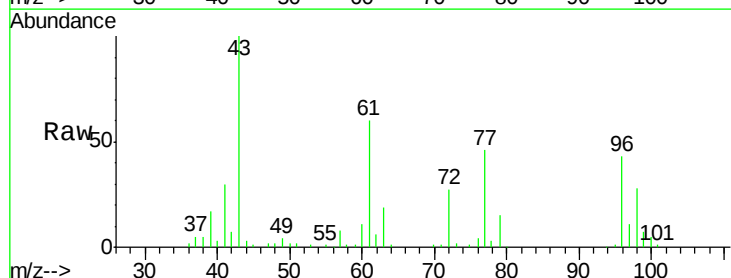
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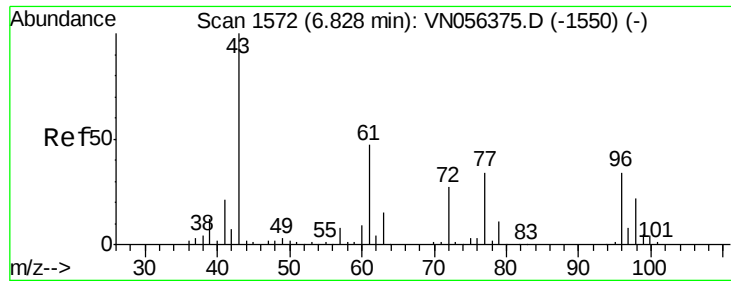
MMDadoda
7/3/2019 9:16:08 AM



#26
2,2-Dichloropropane
Concen: 20.019 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion: 77 Resp: 81682
Ion Ratio Lower Upper
77 100
97 25.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.580 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS01

Tot Ion: 96 Resp: 72202

Ion Ratio Lower Upper

96 100

61 142.5 0.0 279.8

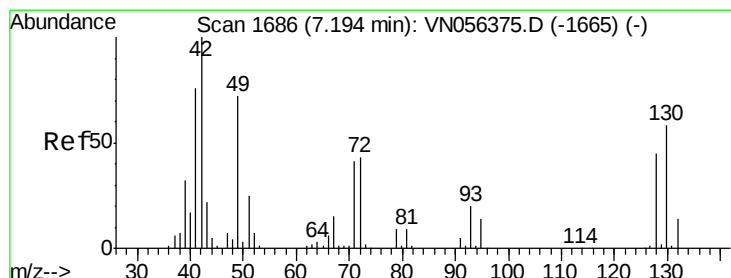
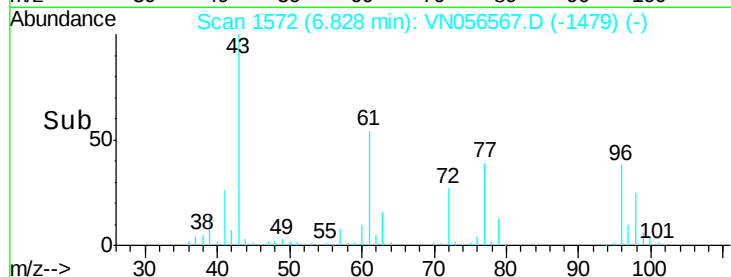
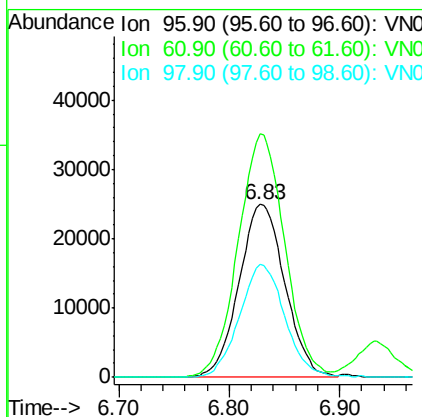
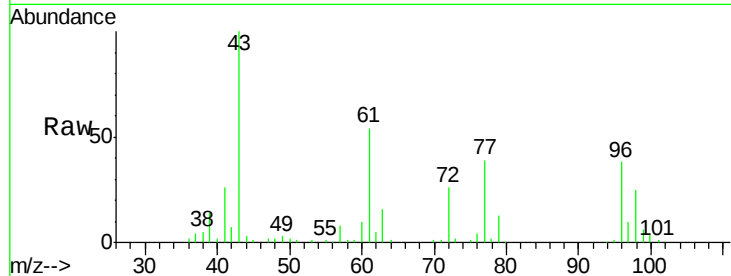
98 64.4 0.0 130.0

Manual Integrations

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MMDadoda

7/3/2019 9:16:08 AM



#28

Bromochloromethane

Concen: 20.796 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

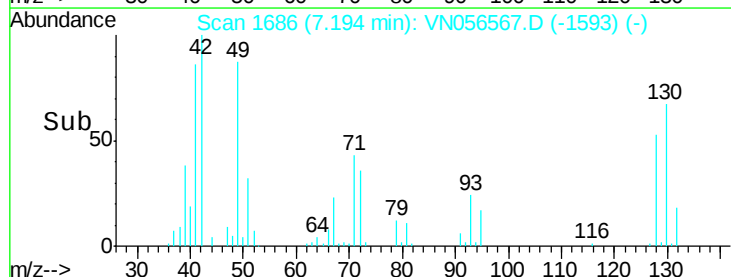
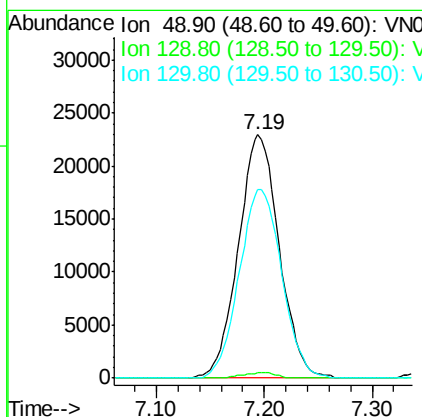
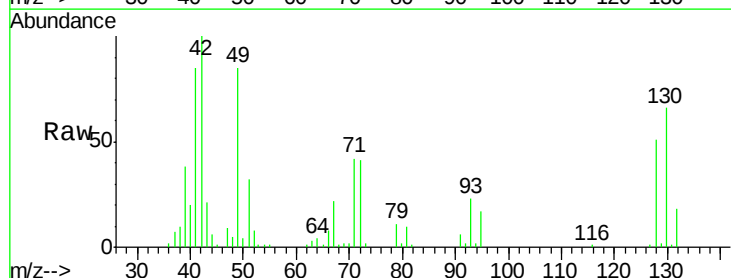
Tgt Ion: 49 Resp: 60346

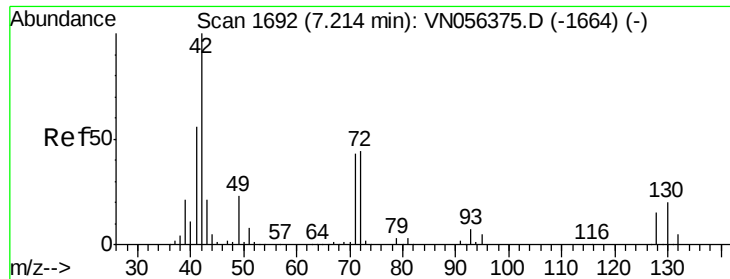
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.2

130 80.7 64.9 97.3





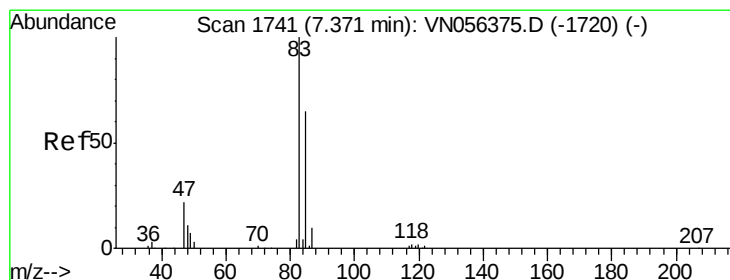
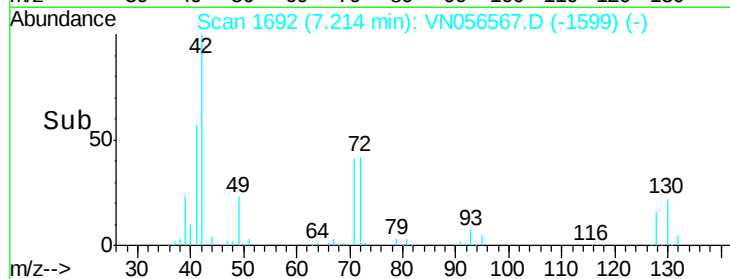
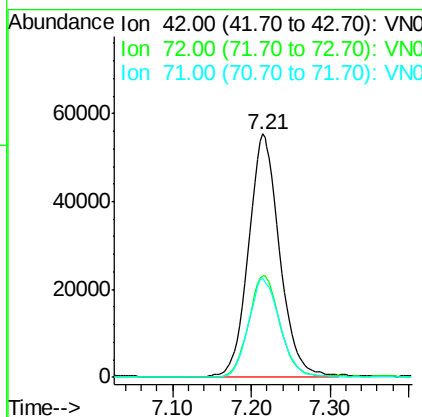
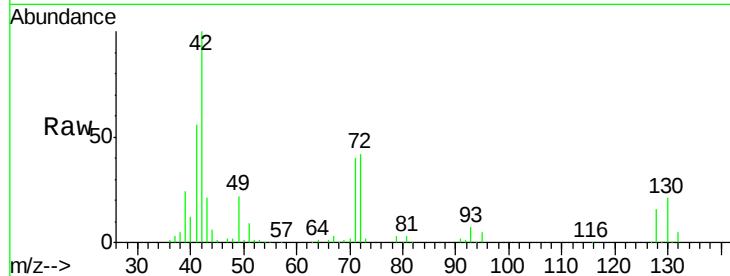
#29
Tetrahydrofuran
Concen: 104.758 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.7	52.1
71	41.0	33.0	49.6

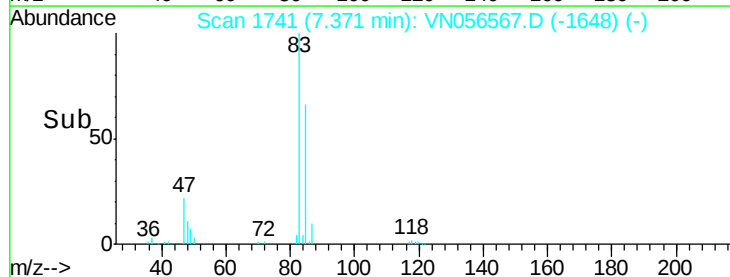
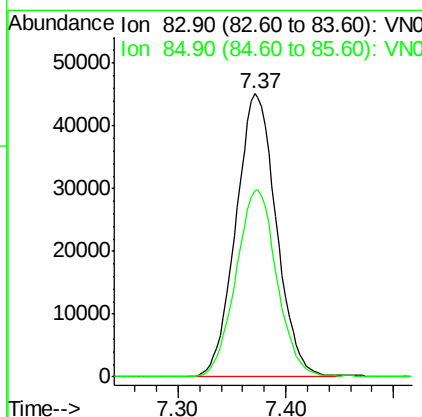
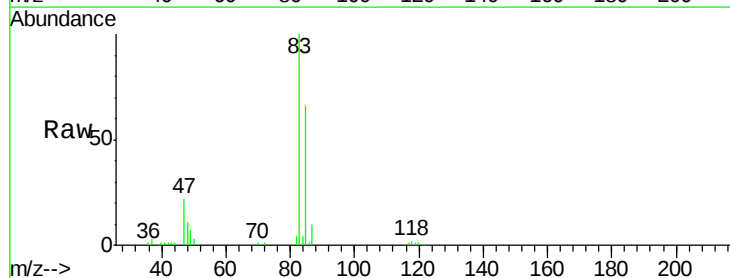
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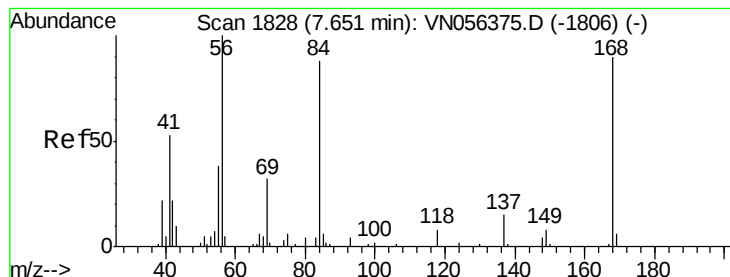
MMDadoda
7/3/2019 9:16:08 AM



#30
Chloroform
Concen: 20.311 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5





#31

Cyclohexane

Concen: 17.593 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS01

Tot Ion: 56 Resp: 99645

Ion Ratio Lower Upper

56 100

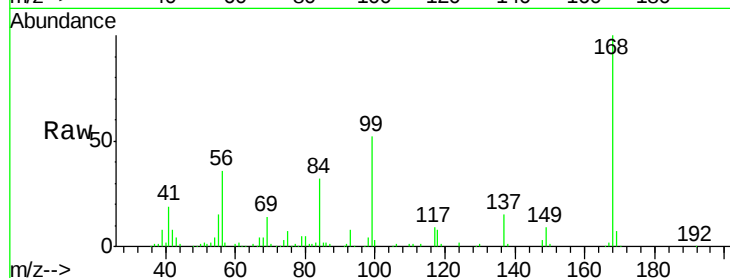
69 39.3 25.8 38.6#

84 87.3 69.4 104.0

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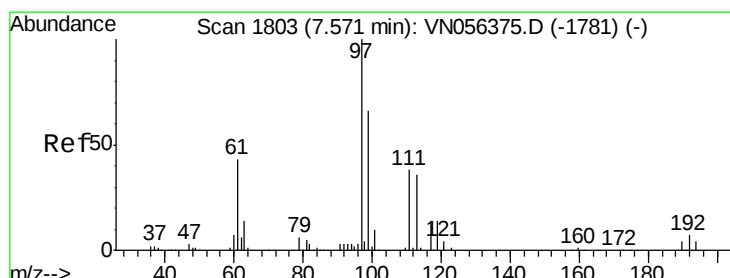
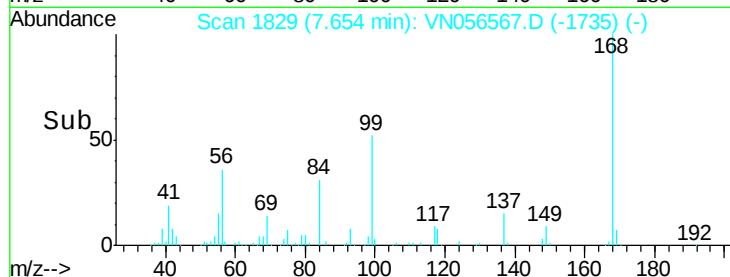
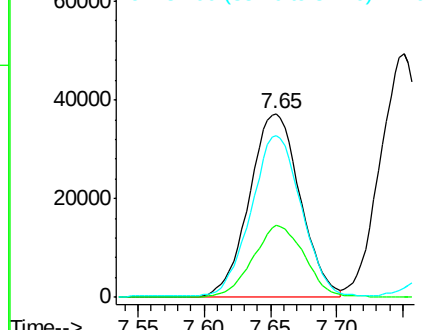
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.192 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

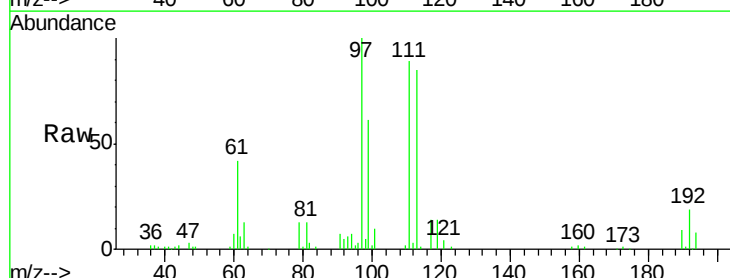
Tgt Ion: 97 Resp: 92653

Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.6

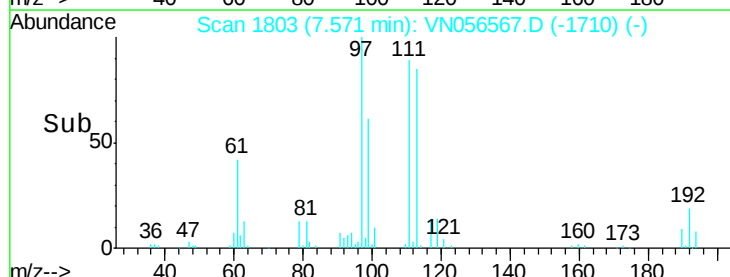
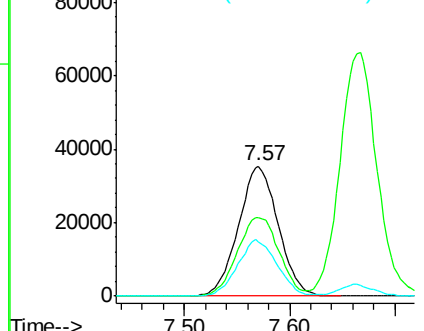
61 42.9 33.9 50.9

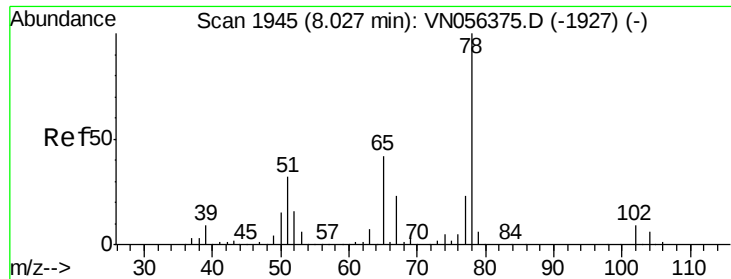


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





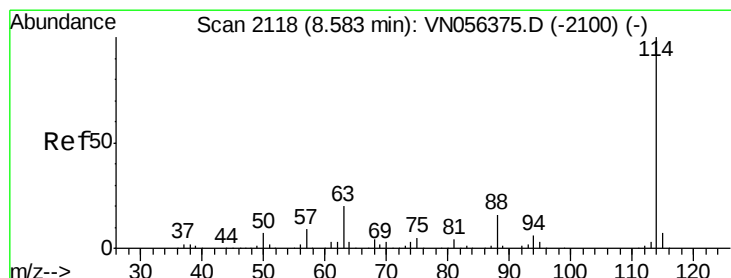
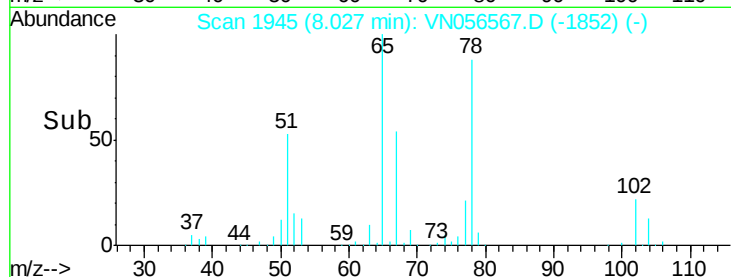
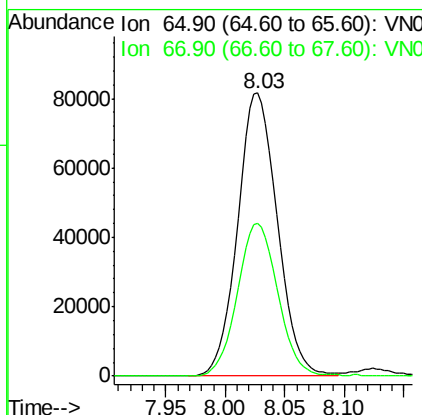
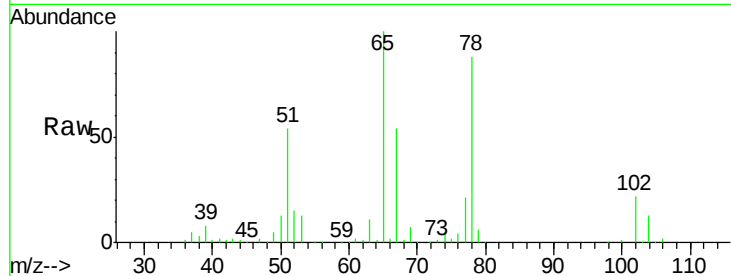
#33
 1,2-Dichloroethane-d4
 Concen: 51.498 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	188880		
67	54.8	0.0	109.0	

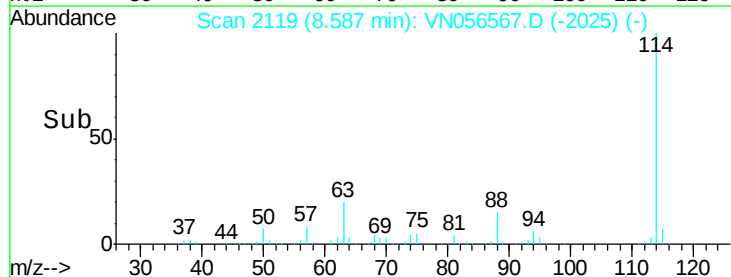
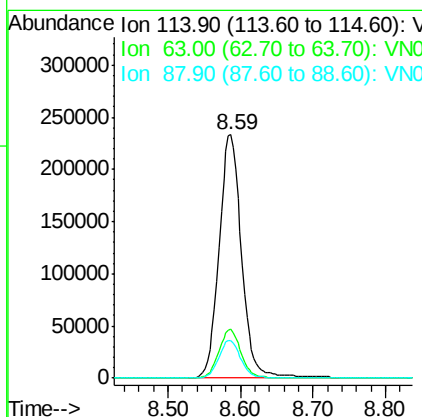
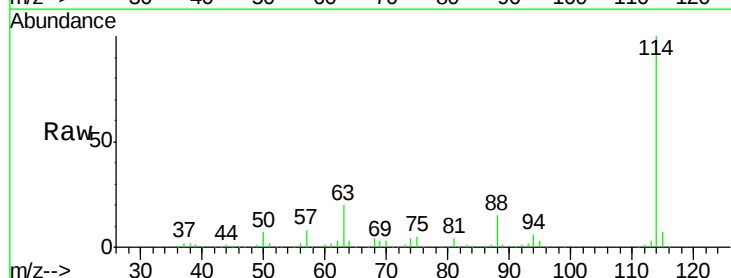
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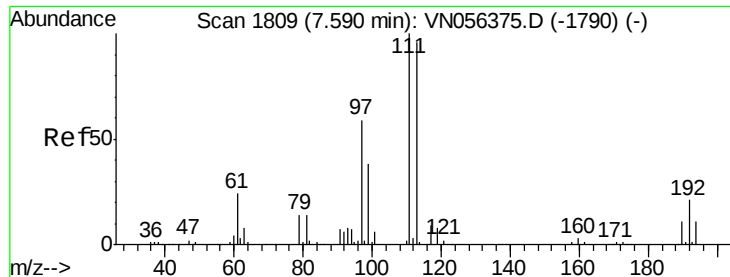
MMDadoda
 7/3/2019 9:16:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	502506		
63	20.0	0.0	39.2	
88	15.3	0.0	31.4	





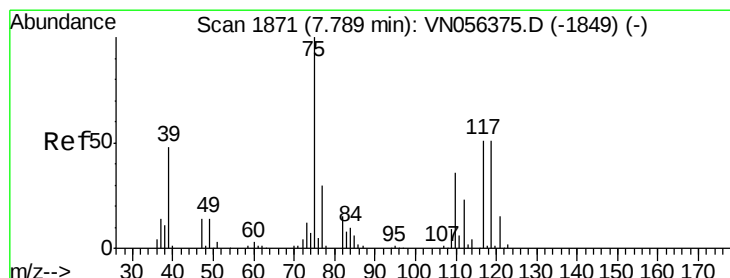
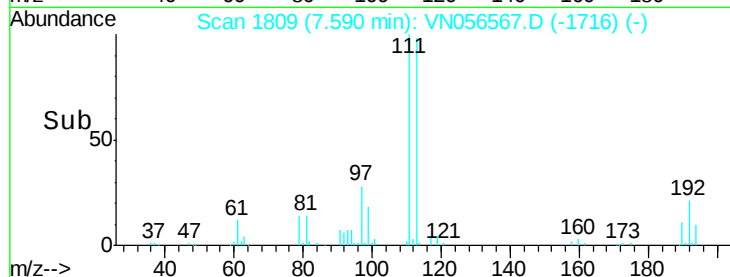
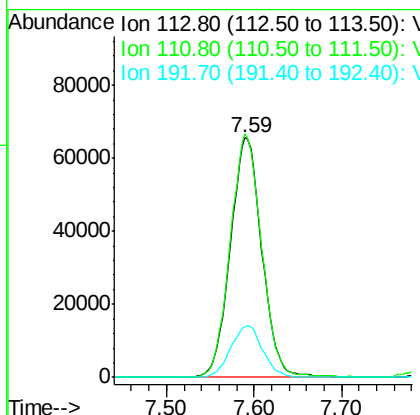
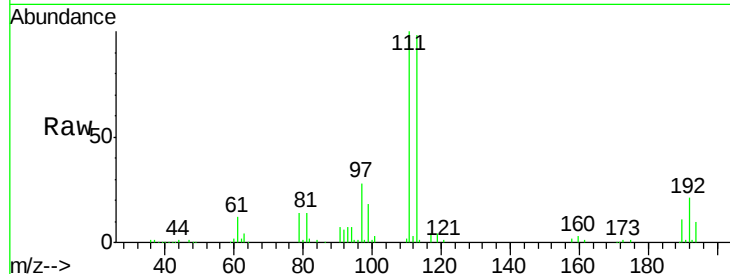
#35
Dibromofluoromethane
Concen: 52.235 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163748		
111	101.3	82.9	124.3	
192	21.9	17.7	26.5	

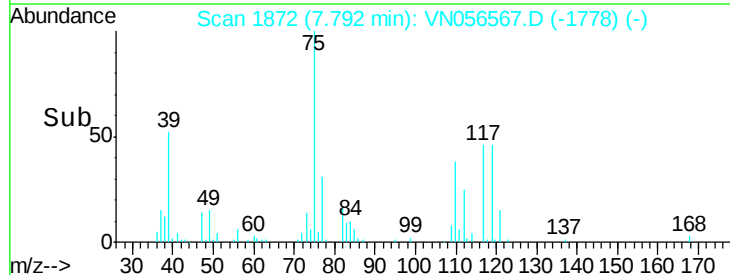
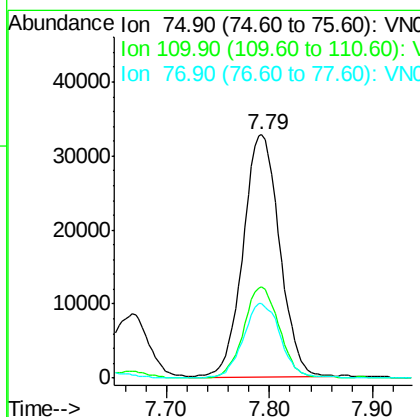
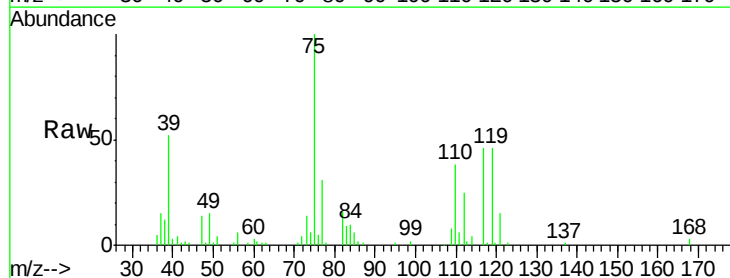
Manual Integrations
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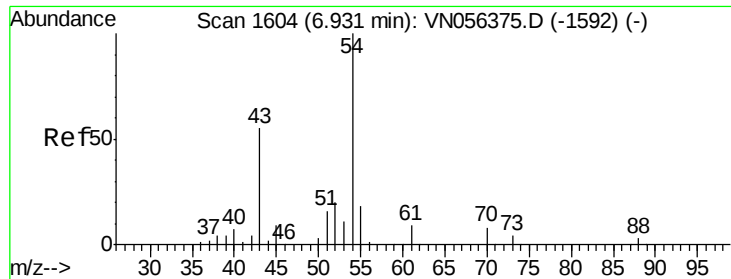
MMDadoda
7/3/2019 9:16:08 AM



#36
1,1-Dichloropropene
Concen: 18.224 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80603		
110	36.7	18.1	54.3	
77	31.2	24.6	36.8	





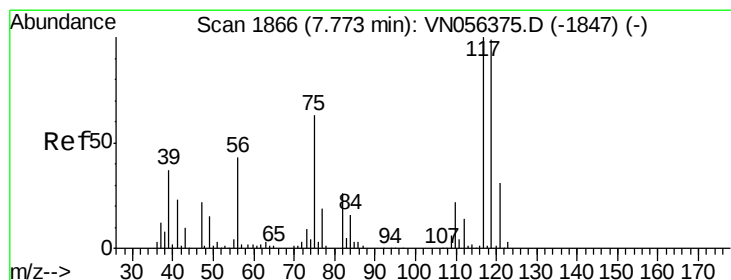
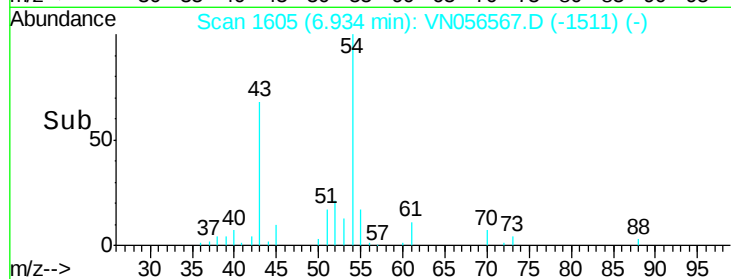
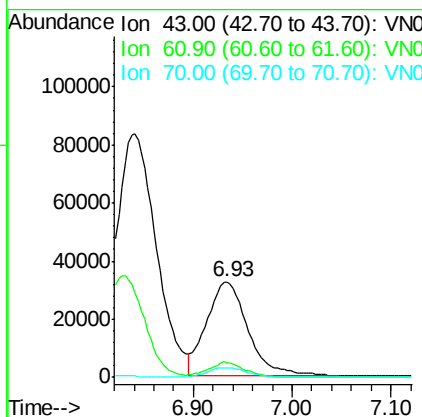
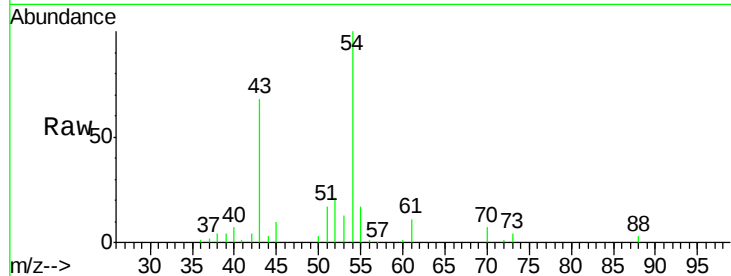
#37
Ethyl Acetate
Concen: 21.780 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS01

Tot Ion	43	61	70
Ratio	100	14.4	10.0
Lower		11.1	8.3
Upper		16.7	12.5

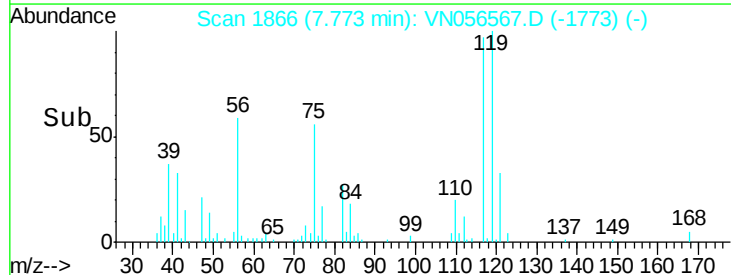
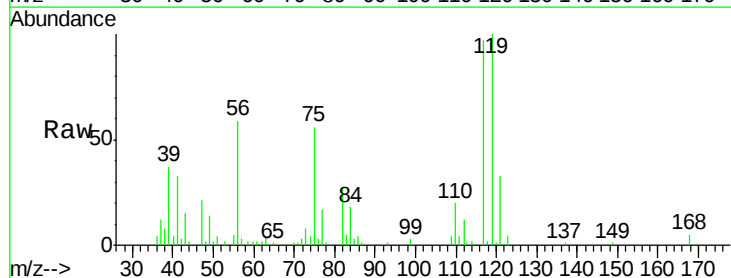
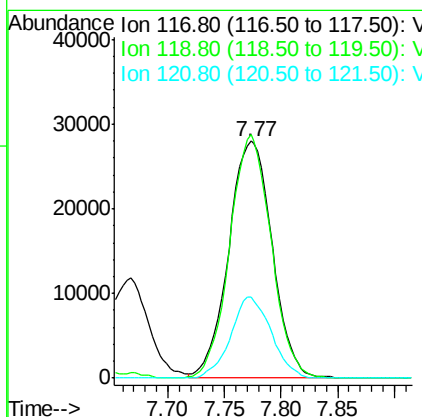
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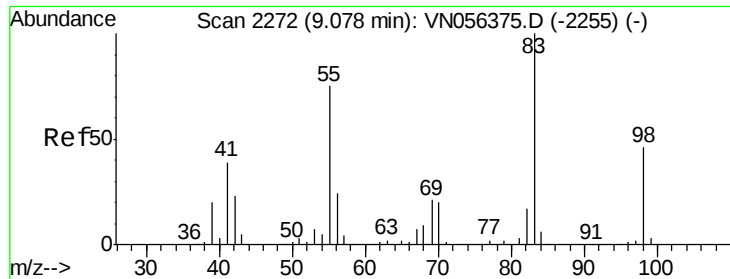
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7/3/2019 9:16:08 AM



#38
Carbon Tetrachloride
Concen: 19.375 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	117	119	121
Ratio	100	102.8	34.0
Lower		79.1	24.8
Upper		118.7	37.2





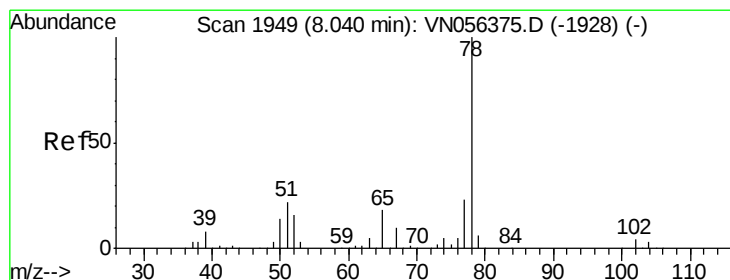
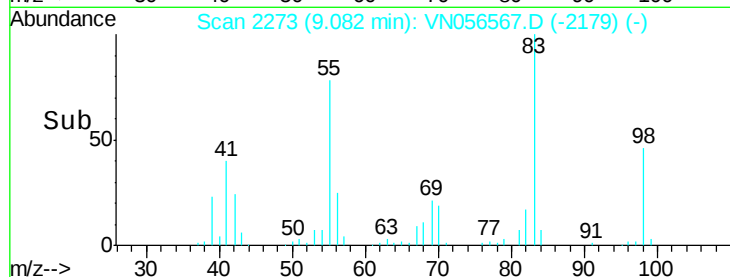
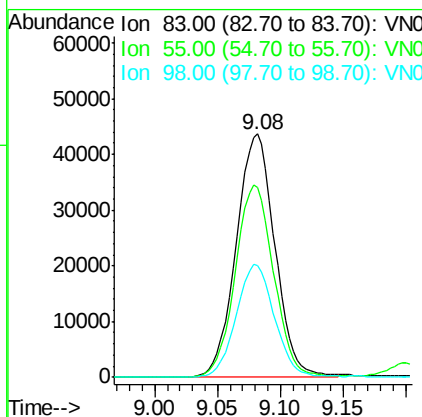
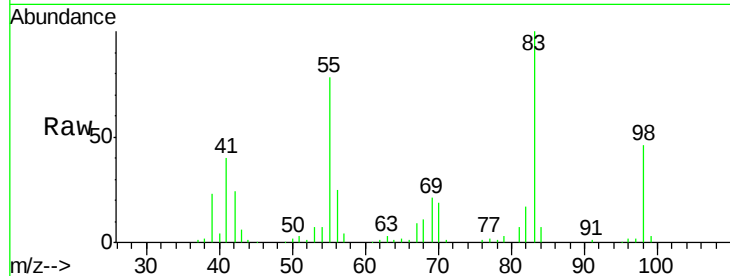
#39
Methvlcvclohexane
Concen: 17.218 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	60.0	90.0
98	45.9	36.6	54.8

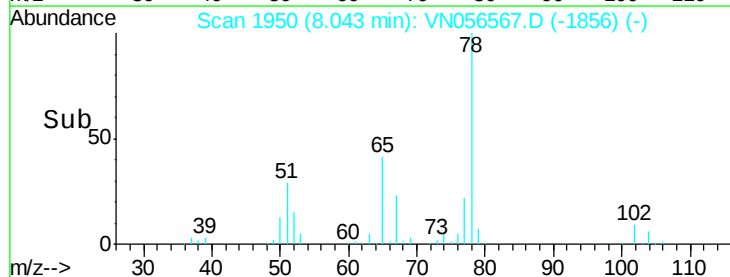
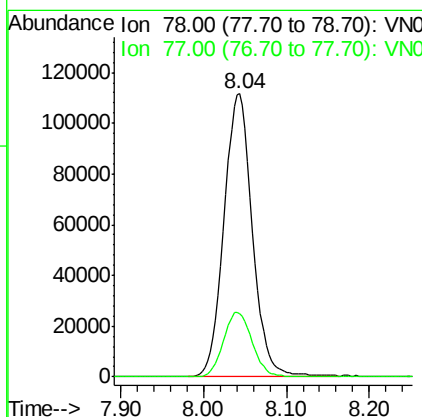
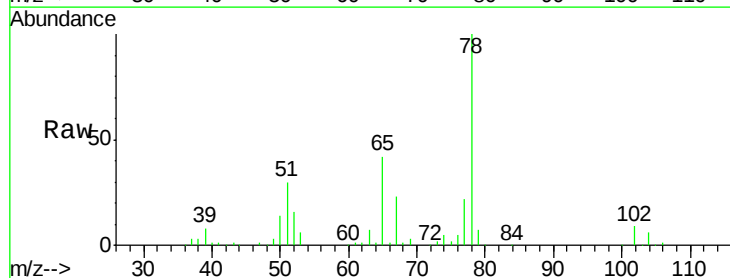
Manual Integrations
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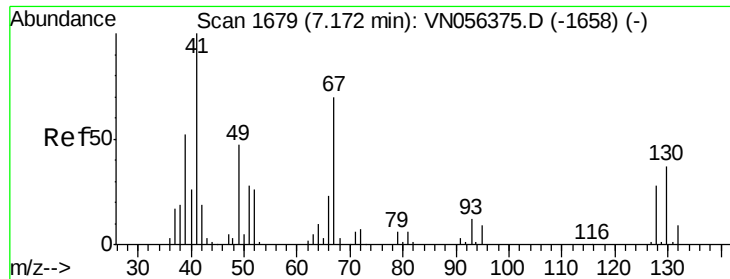
MMDadoda
7/3/2019 9:16:08 AM



#40
Benzene
Concen: 19.586 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.3	27.5





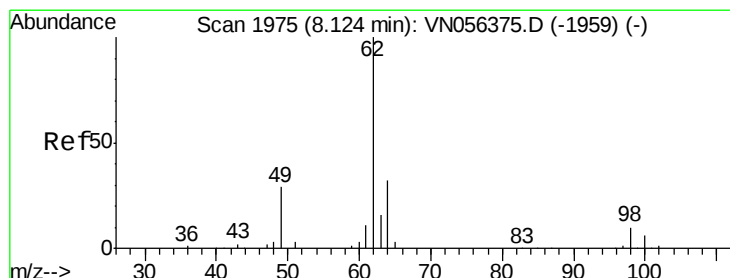
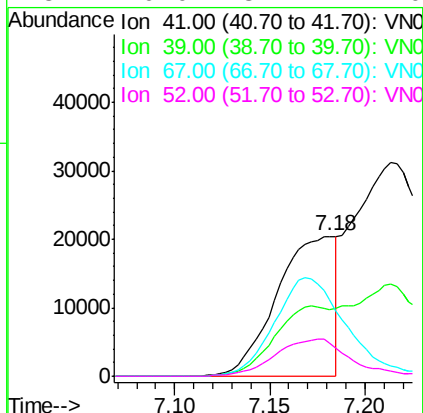
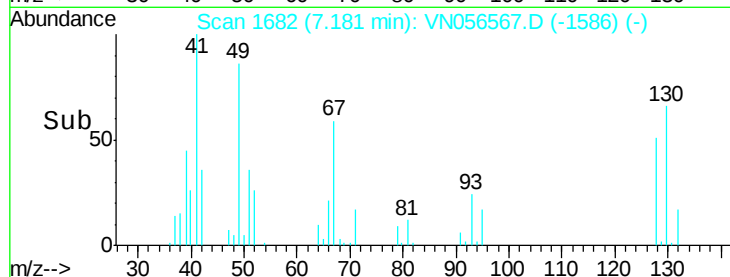
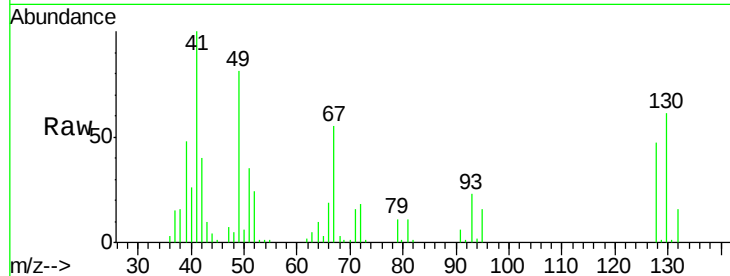
#41
Methacrylonitrile
Concen: 22.909 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.3	82.9#
67	0.0	79.2	118.8#
52	0.0	31.4	47.0#

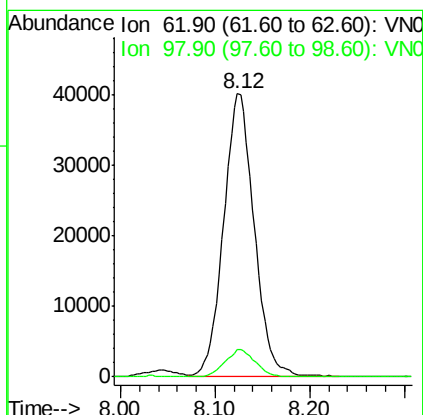
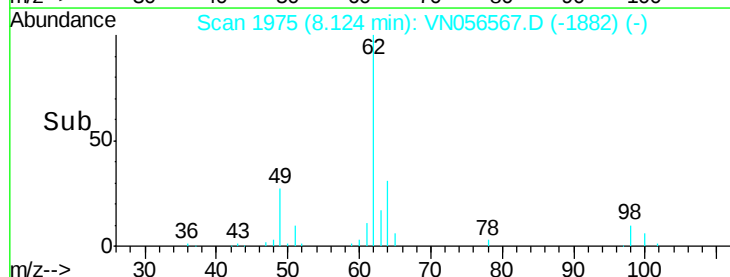
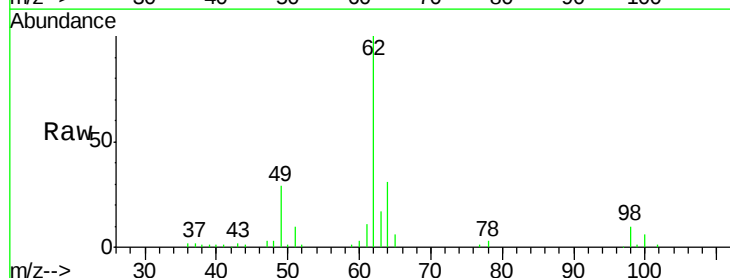
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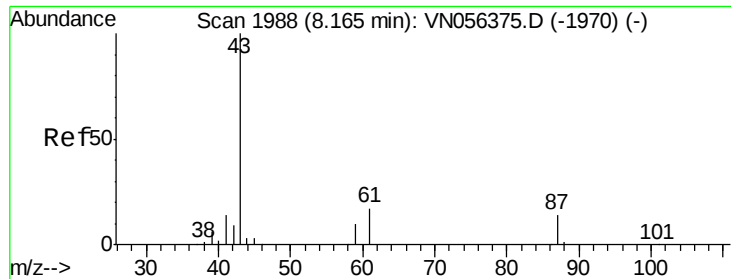
MMDadoda
7/3/2019 9:16:08 AM



#42
1,2-Dichloroethane
Concen: 20.113 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.418 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

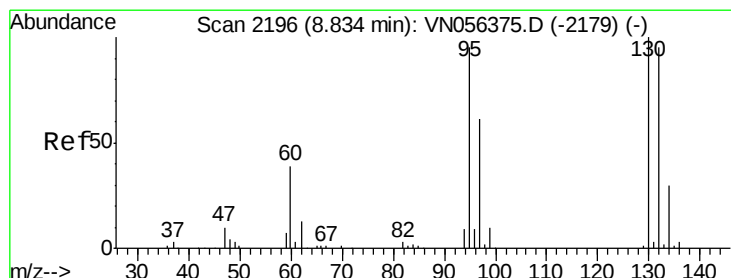
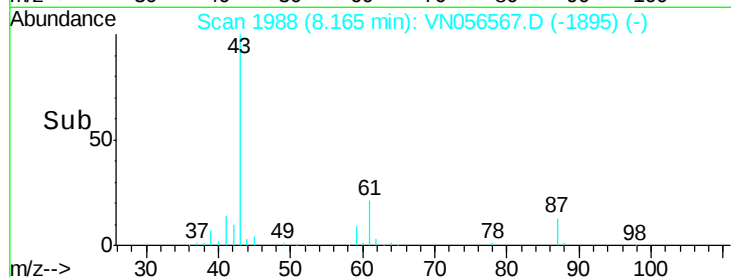
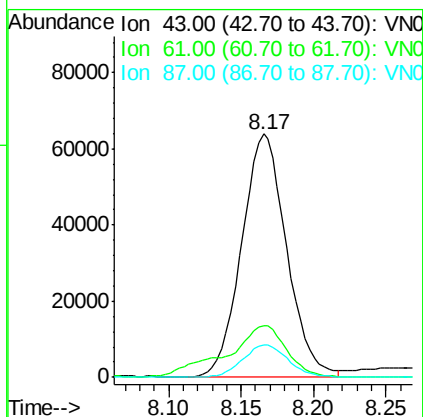
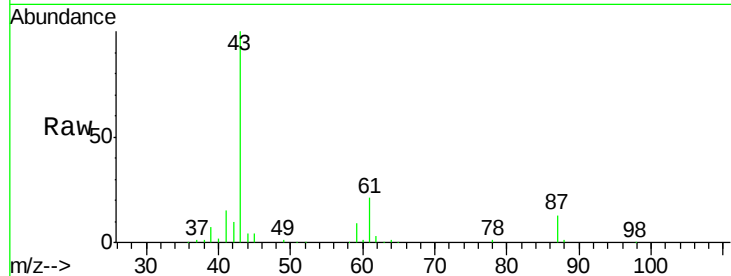
ClientSampleId :

VN0701WBS01

Tot Ion:	43	Resp:	136847
Ion	Ratio	Lower	Upper
43	100		
61	29.0	22.0	33.0
87	13.7	11.0	16.4

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#44

Trichloroethene

Concen: 18.922 ug/l

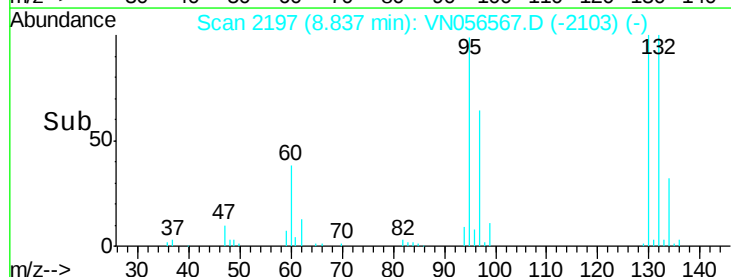
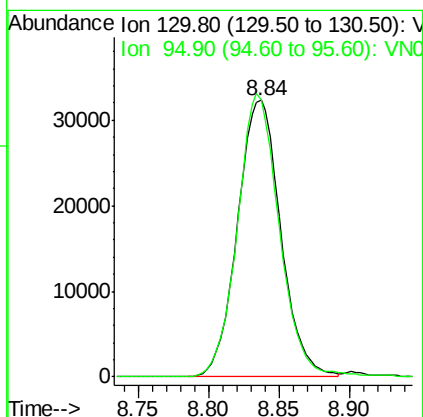
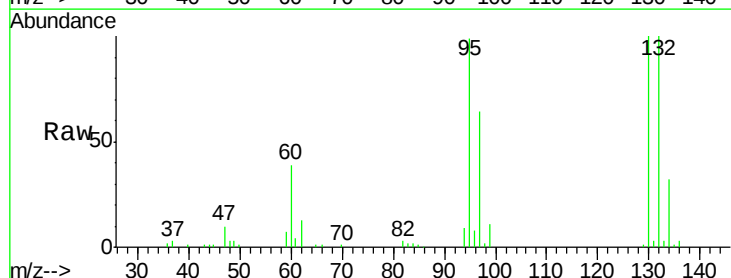
RT: 8.84 min Scan# 2197

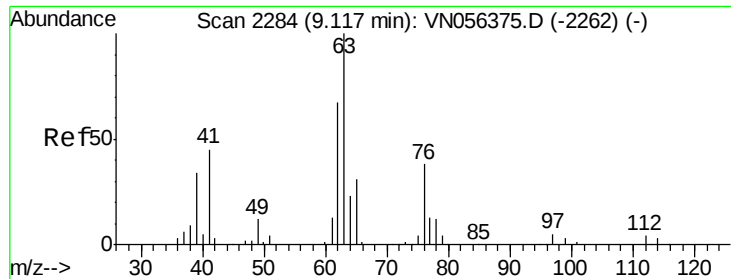
Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Tgt Ion:	130	Resp:	69346
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	191.0





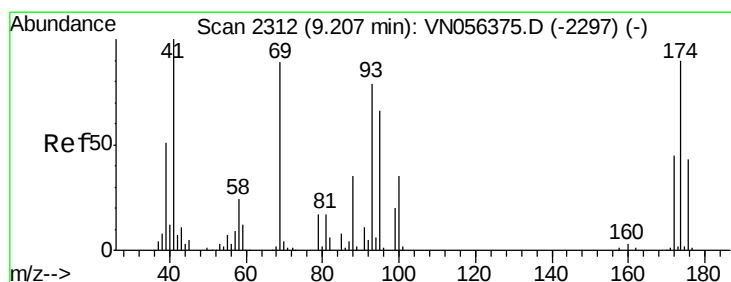
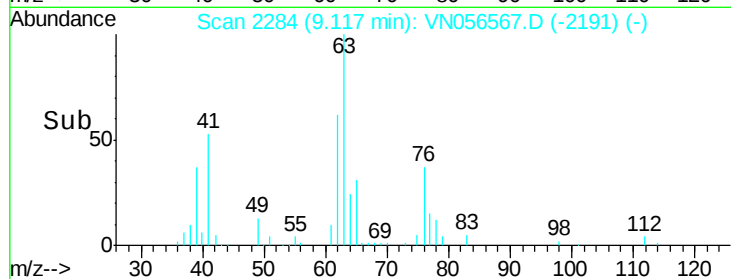
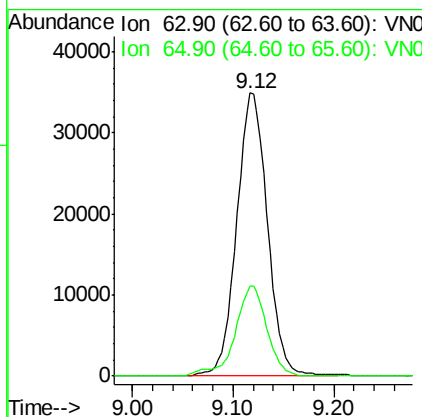
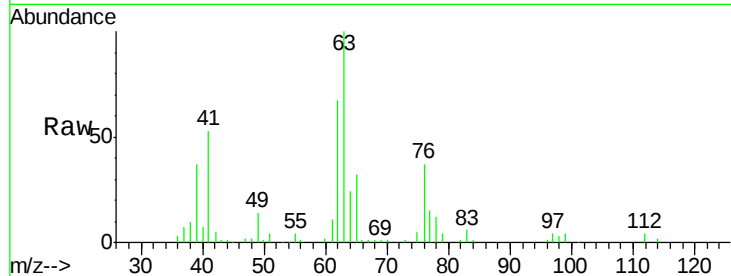
#45
 1,2-Dichloropropane
 Concen: 20.273 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBS01

Tot Ion: 63 Resp: 73763
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.6

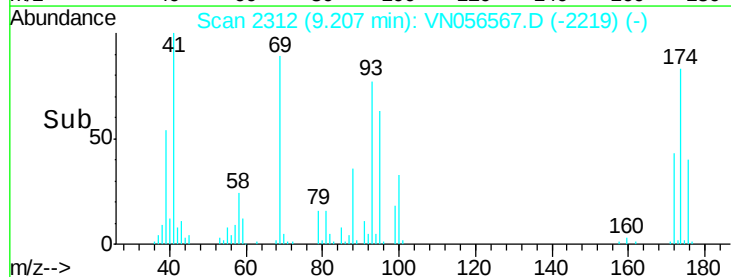
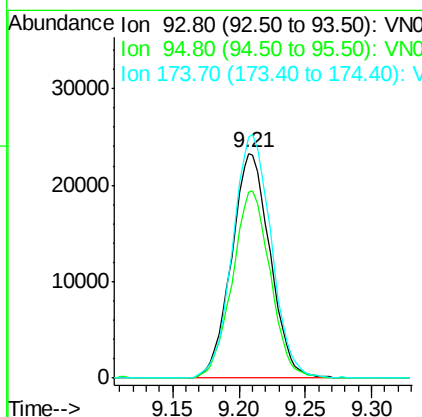
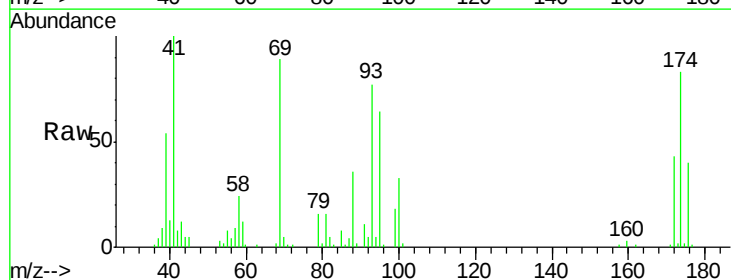
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#46
 Dibromomethane
 Concen: 20.671 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion: 93 Resp: 47054
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.2 99.2
 174 108.6 90.8 136.2





#47

Bromodichloromethane

Concen: 20.811 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

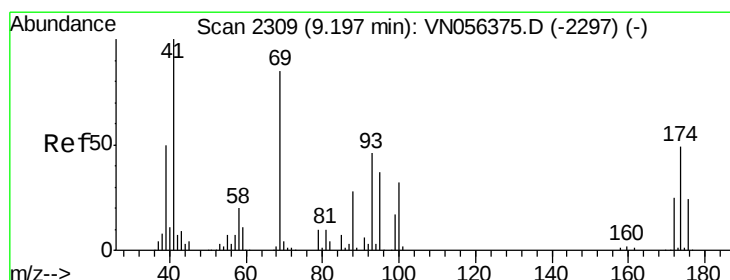
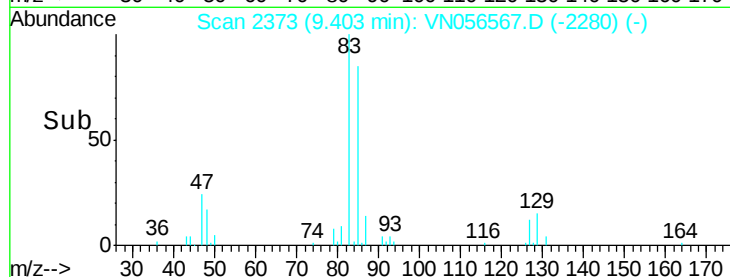
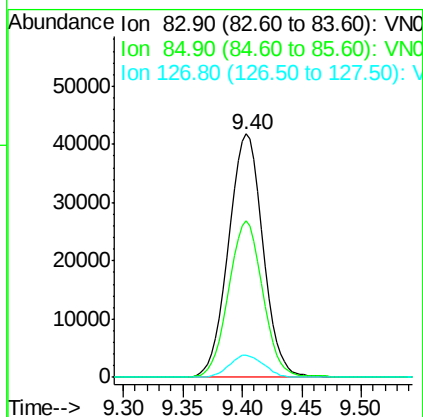
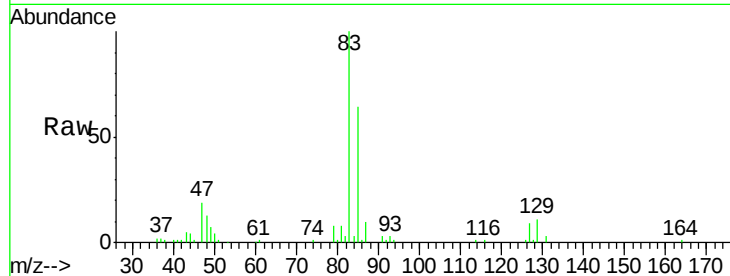
ClientSampleId :

VN0701WBS01

Tot Ion:	83	Resp:	84021
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.2	78.4
127	9.2	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.172 ug/l

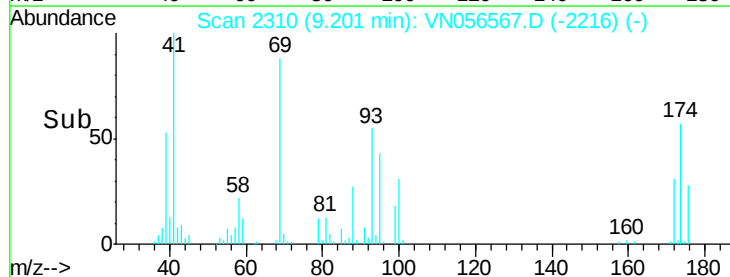
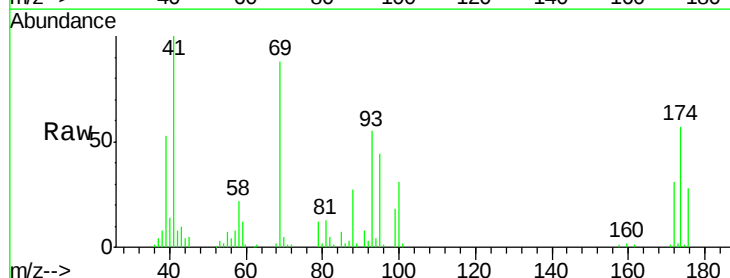
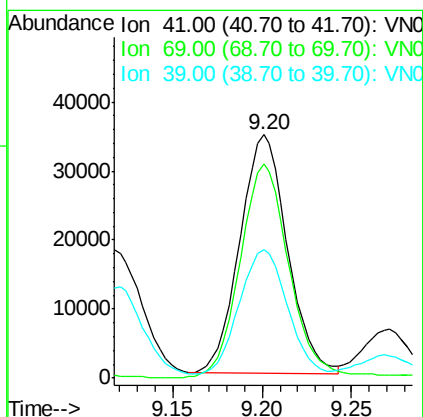
RT: 9.20 min Scan# 2310

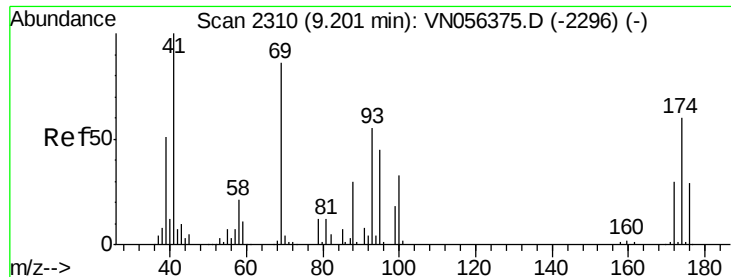
Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Tgt Ion:	41	Resp:	64392
Ion Ratio	Lower	Upper	
41	100		
69	92.8	72.6	109.0
39	55.2	42.6	63.8





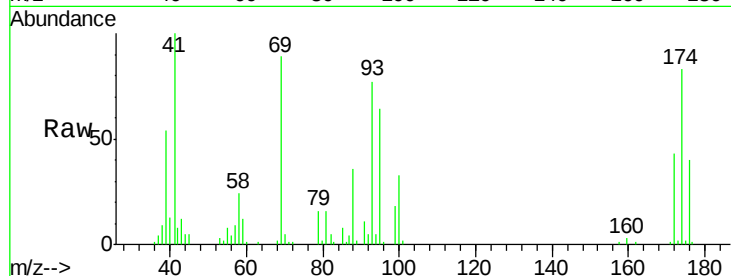
#49
1,4-Dioxane
Concen: 398.176 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

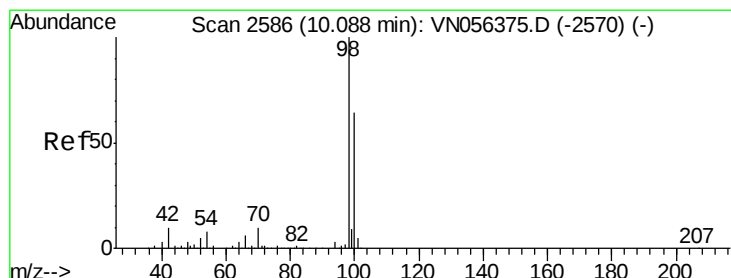
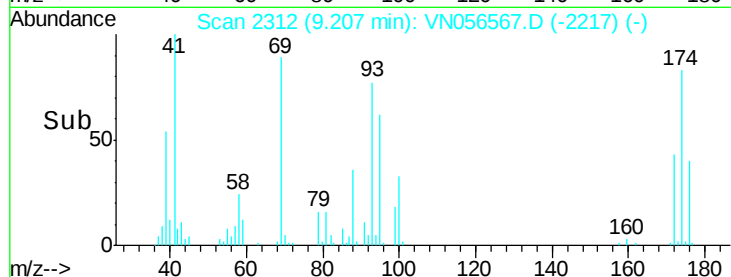
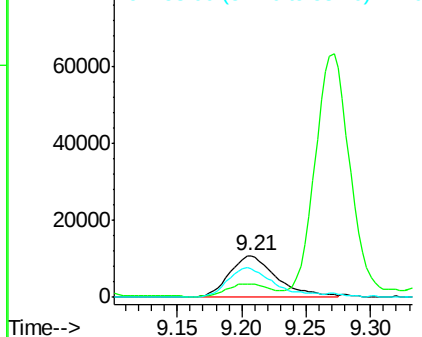
Tot Ion	88	Resp	27753
Ion	Ratio	Lower	Upper
88	100		
43	27.4	22.0	33.0
58	69.5	51.8	77.8

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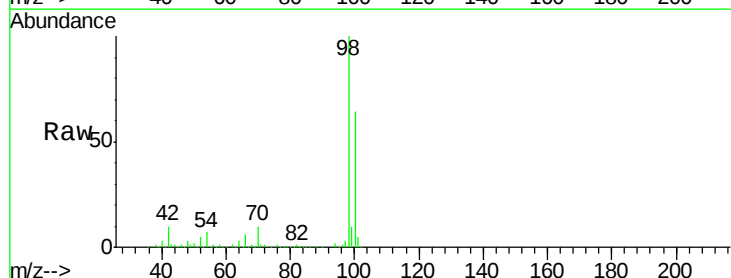


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

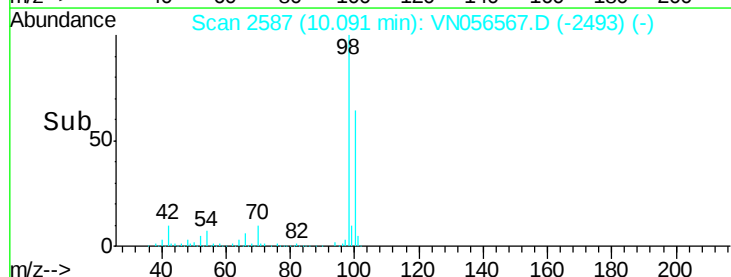
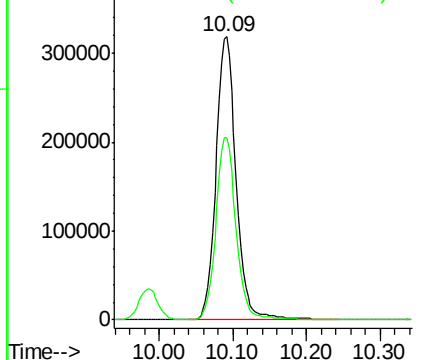


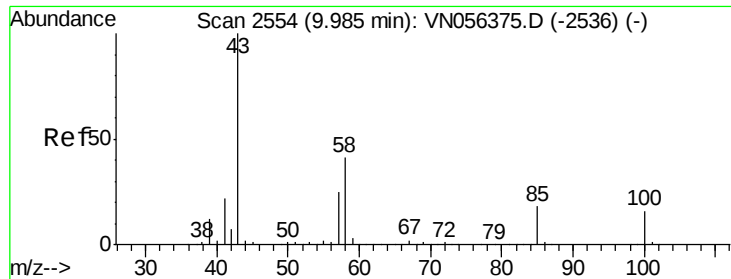
#50
Toluene-d8
Concen: 49.278 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	98	Resp	601087
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 102.952 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0701WBS01

Tot Ion: 43 Resp: 445365

Ion Ratio Lower Upper

43 100

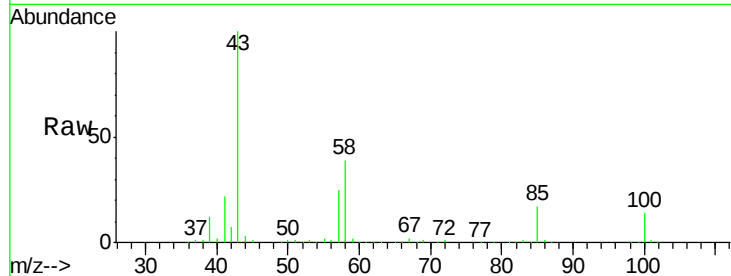
58 38.9 31.8 47.8

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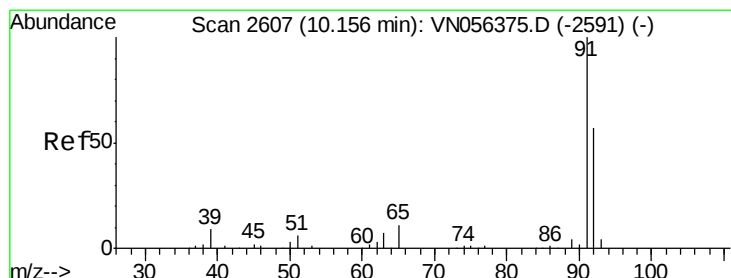
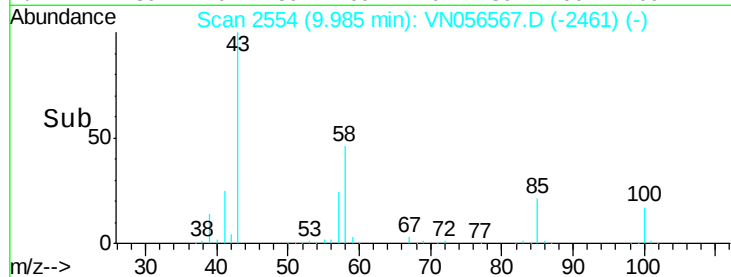
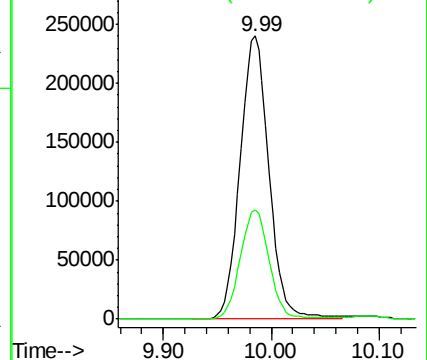
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.533 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056567.D

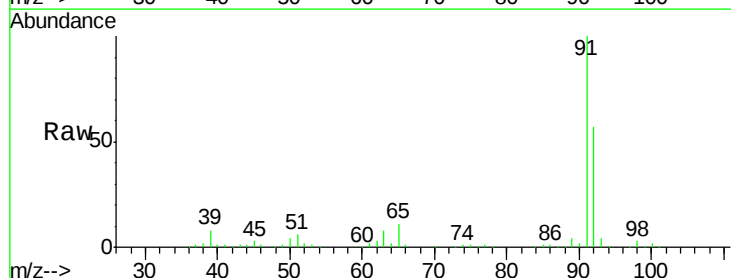
Acq: 1 Jul 2019 13:14

Tgt Ion: 92 Resp: 162470

Ion Ratio Lower Upper

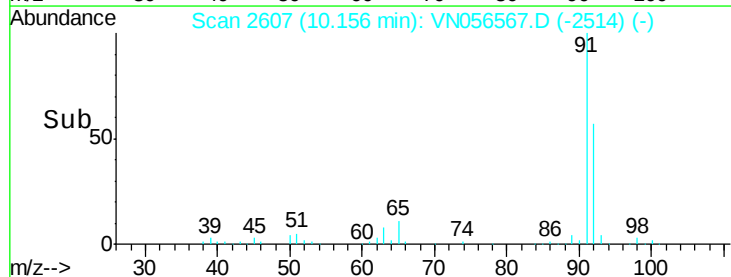
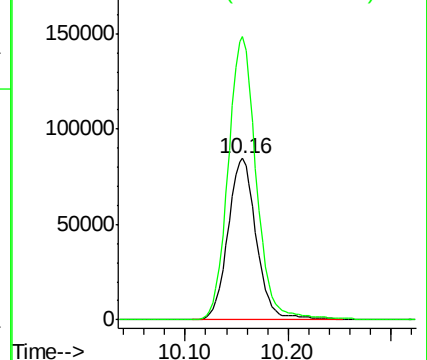
92 100

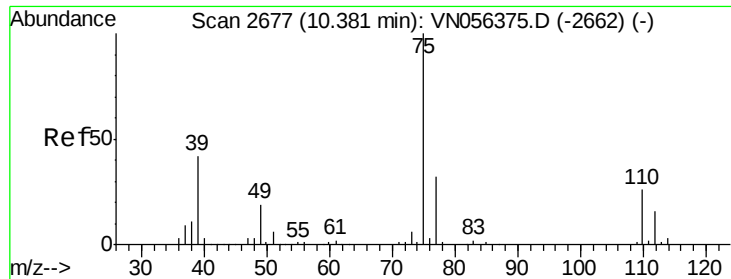
91 174.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





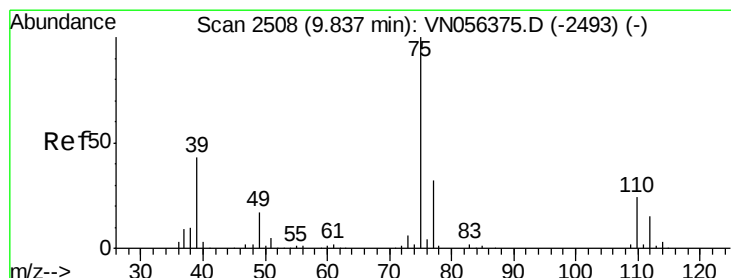
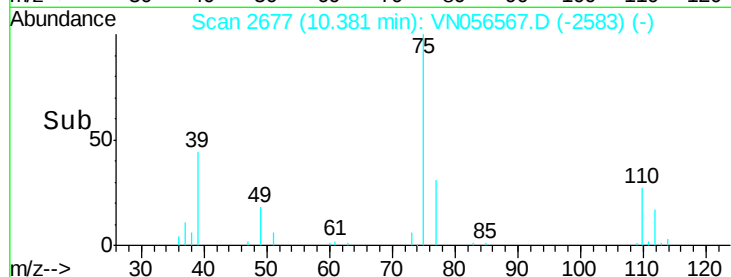
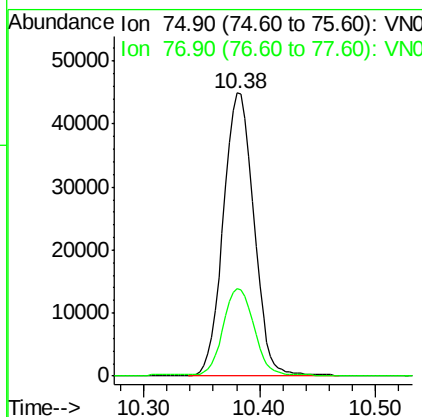
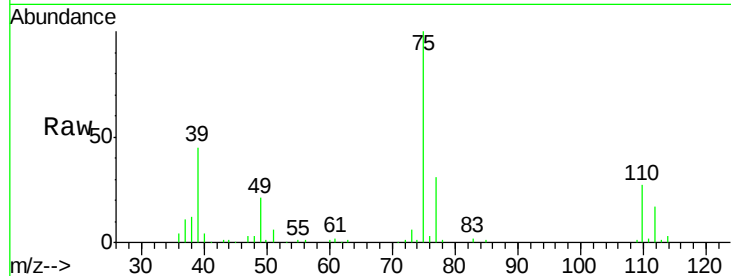
#53
t-1,3-Dichloropropene
Concen: 19.356 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS01

Tot Ion: 75 Resp: 82172
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

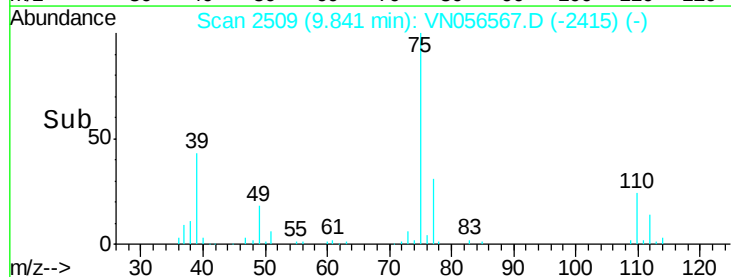
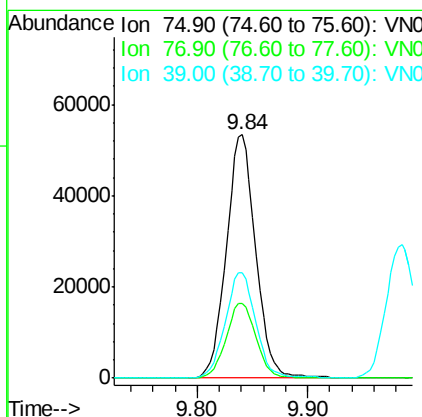
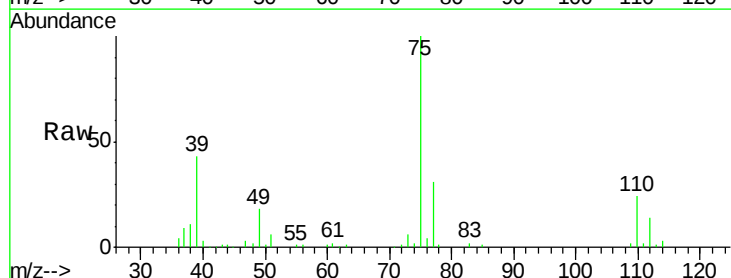
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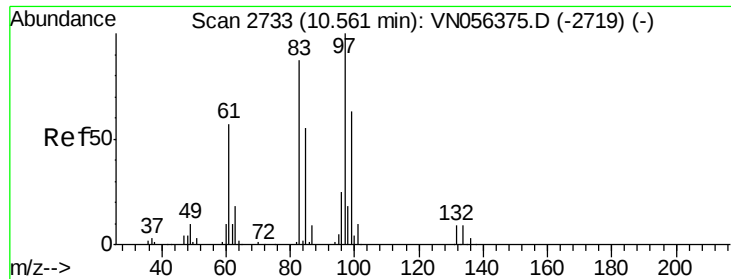
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#54
cis-1,3-Dichloropropene
Concen: 20.233 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion: 75 Resp: 98368
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8
39 43.2 34.2 51.4





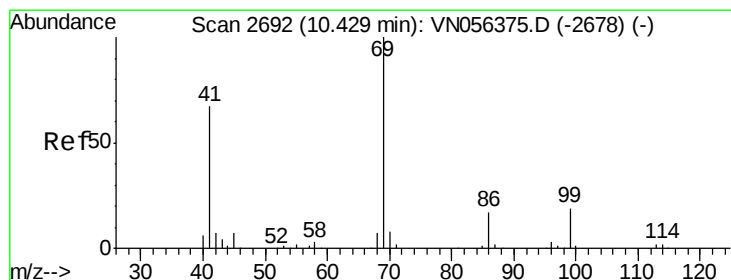
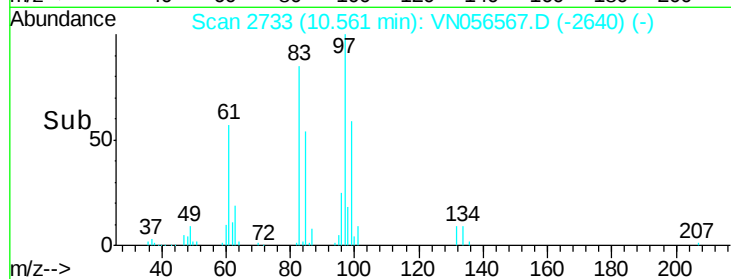
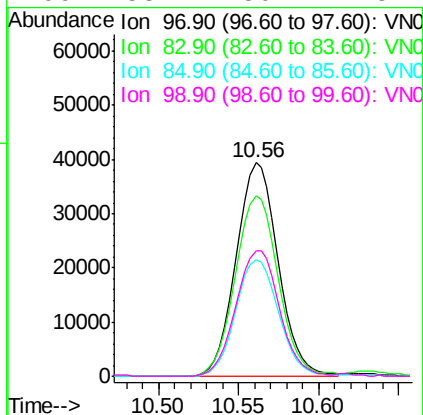
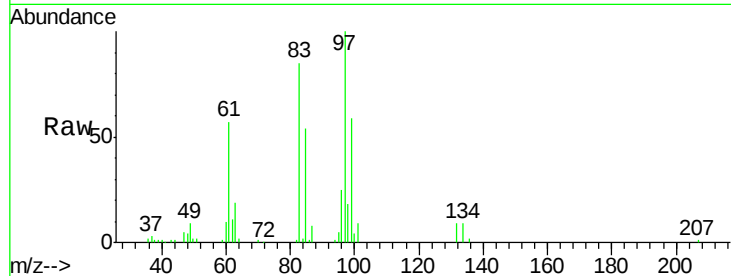
#55
 1,1,2-Trichloroethane
 Concen: 21.064 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		70425		
83	84.7	69.8	104.6		
85	54.3	43.8	65.8		
99	58.7	50.2	75.2		

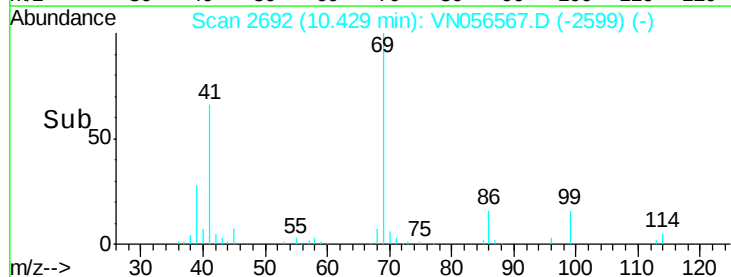
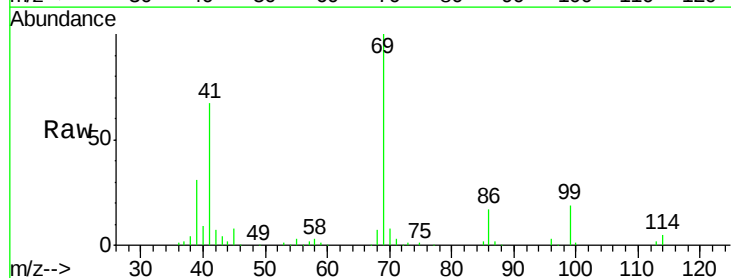
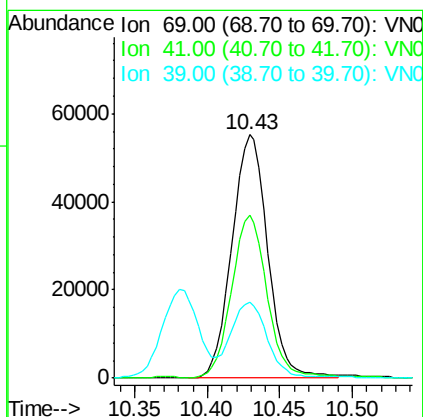
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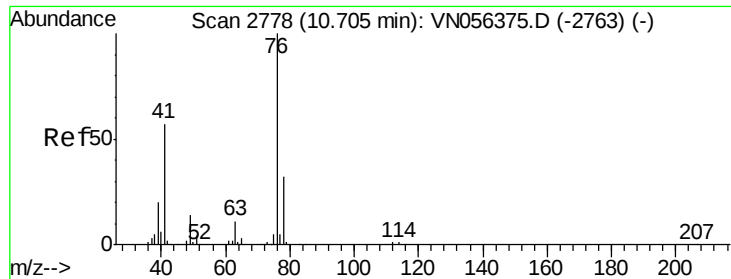
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#56
 Ethyl methacrylate
 Concen: 19.337 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		94485		
41	65.7	51.4	77.2		
39	30.2	24.7	37.1		





#57

1,3-Dichloropropane

Concen: 20.251 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS01

Tot Ion: 76 Resp: 113743

Ion Ratio Lower Upper

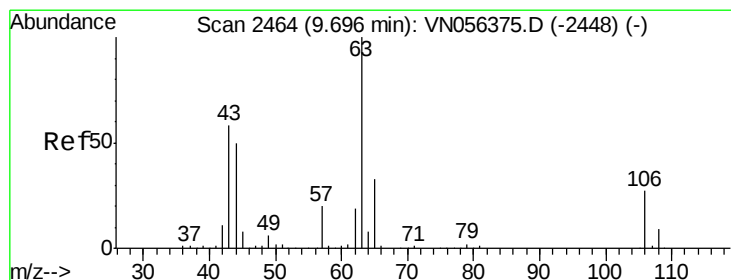
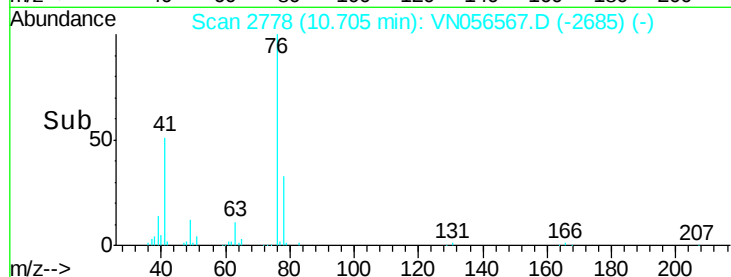
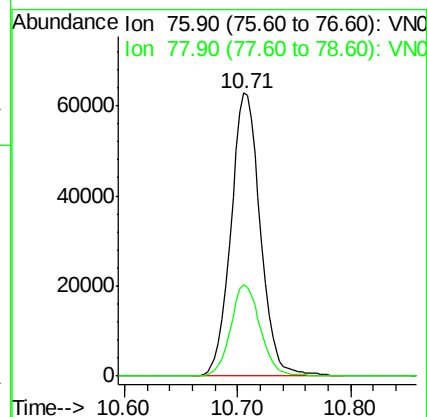
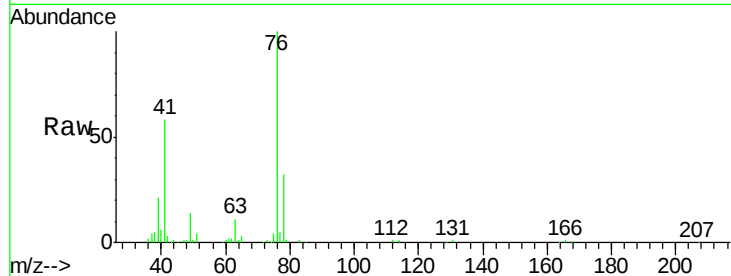
76 100

78 32.4 25.9 38.9

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 76.277 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056567.D

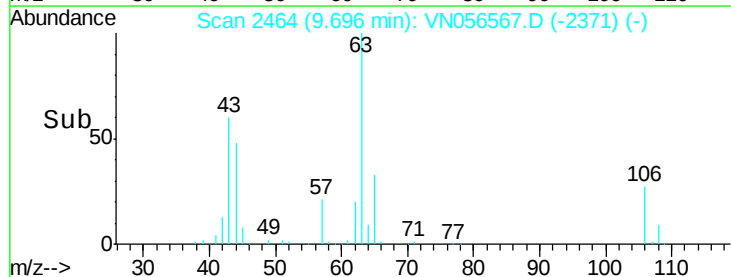
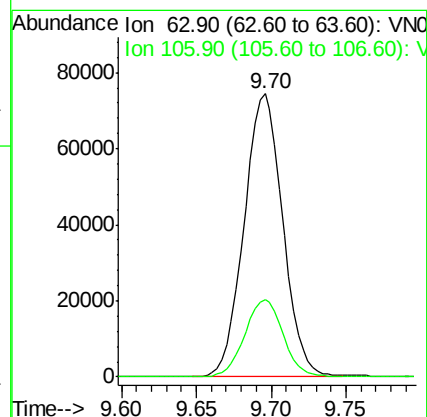
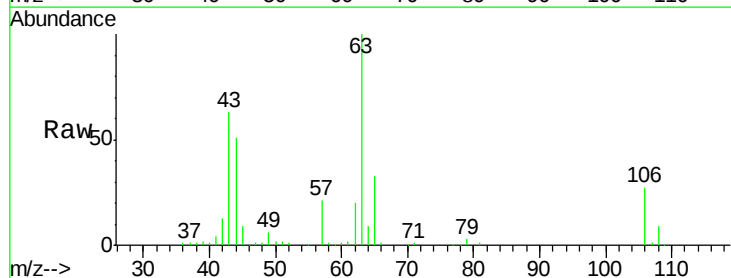
Acq: 1 Jul 2019 13:14

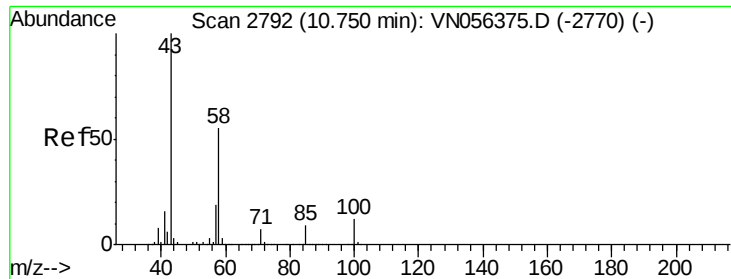
Tgt Ion: 63 Resp: 133893

Ion Ratio Lower Upper

63 100

106 27.1 21.6 32.4





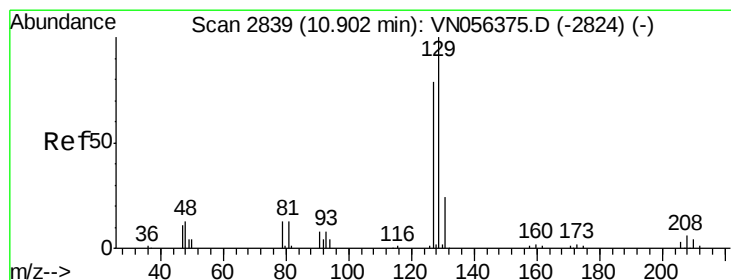
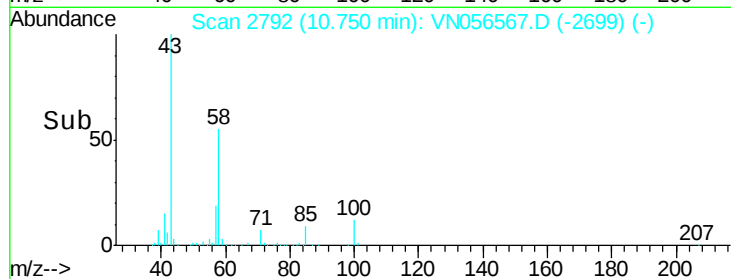
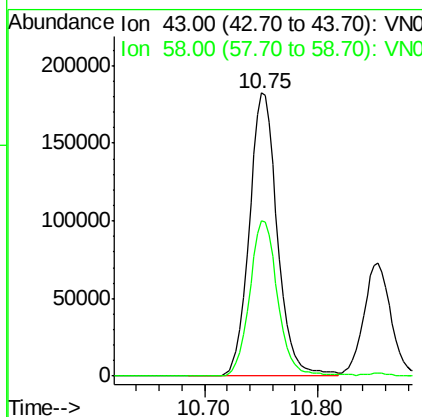
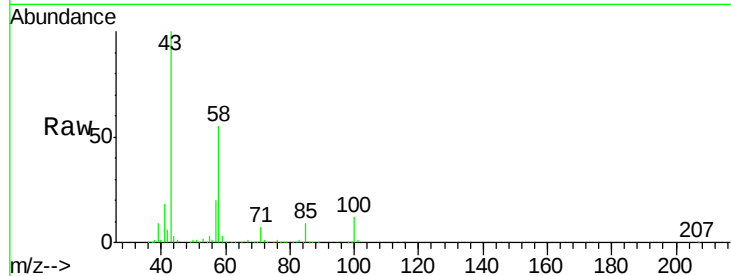
#59
2-Hexanone
Concen: 98.832 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS01

Tot Ion: 43 Resp: 314229
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4

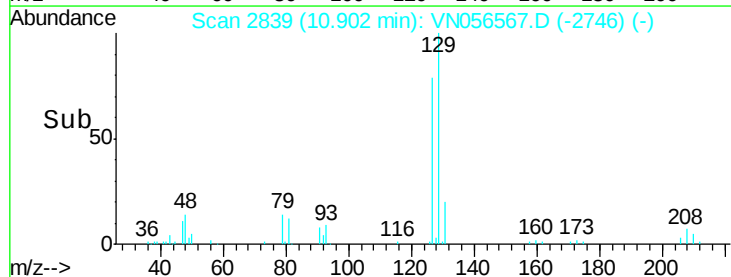
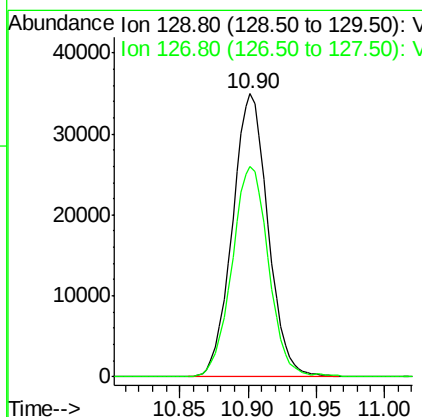
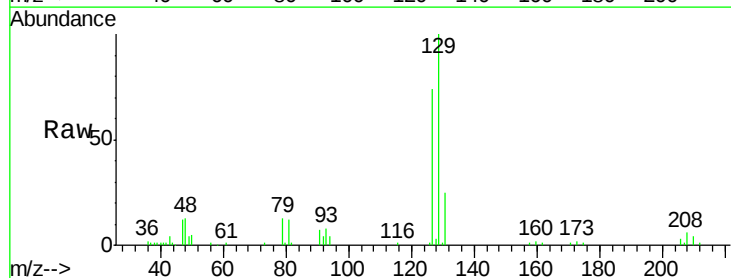
Manual Integrations
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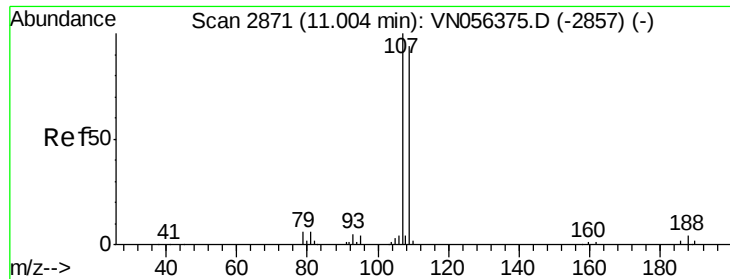
MMDadoda
7/3/2019 9:16:08 AM



#60
Dibromochloromethane
Concen: 19.949 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion: 129 Resp: 63390
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.7





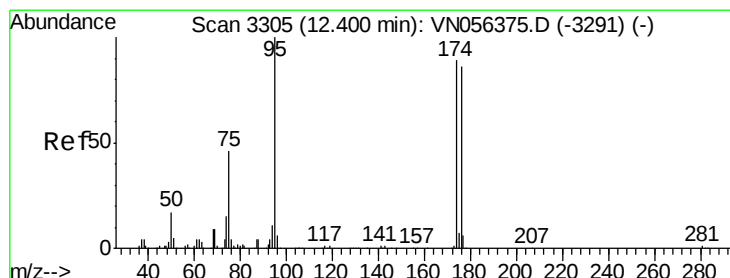
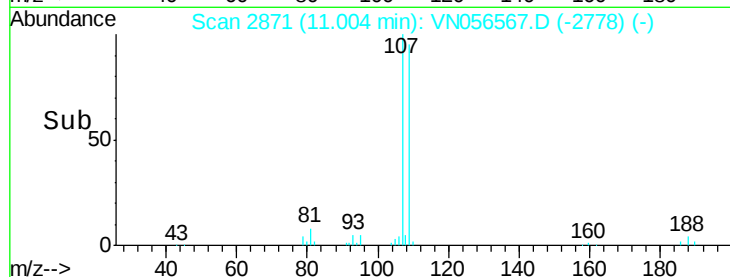
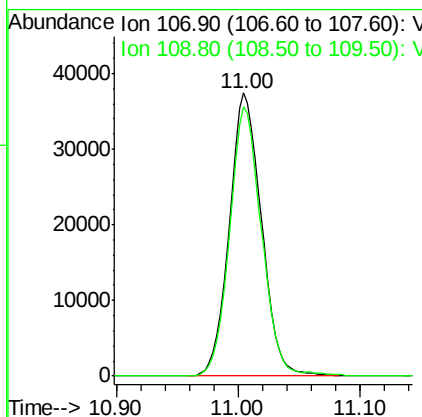
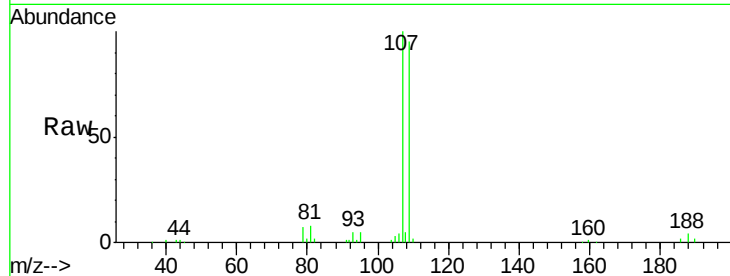
#61
 1,2-Dibromoethane
 Concen: 20.065 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.3	112.9

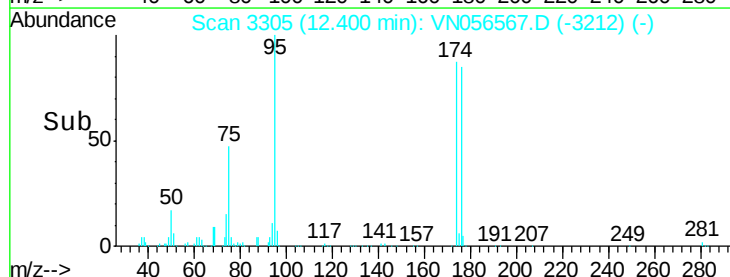
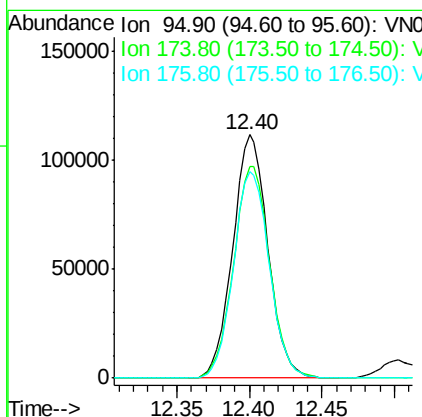
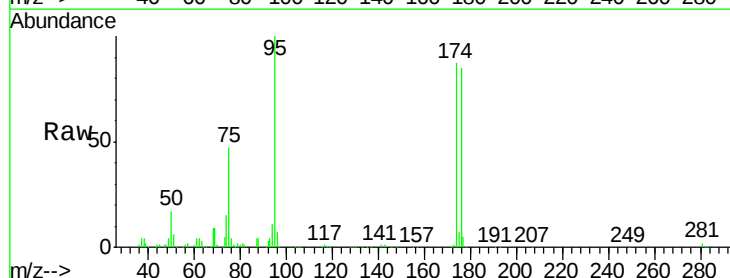
Manual Integrations
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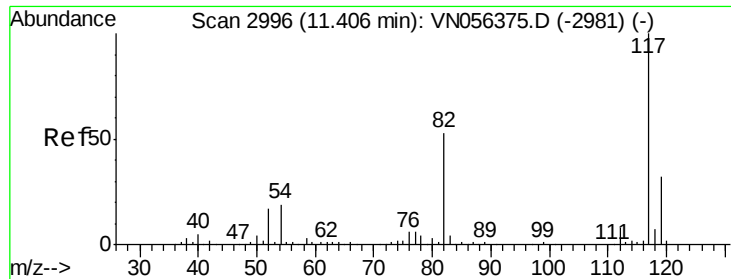
MMDadoda
 7/3/2019 9:16:08 AM



#62
 4-Bromofluorobenzene
 Concen: 46.144 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	179.4
176	86.8	0.0	173.4





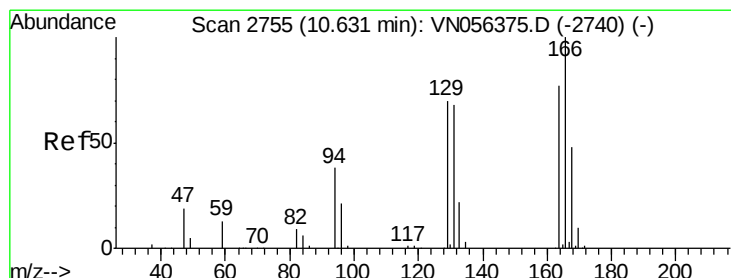
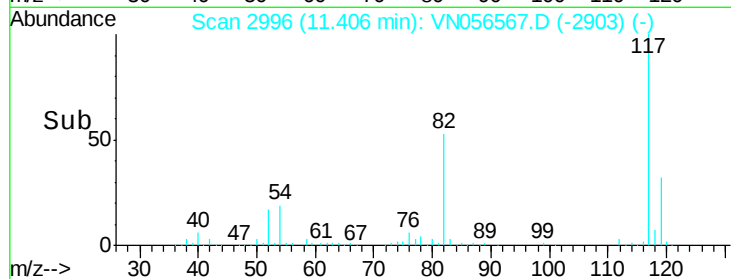
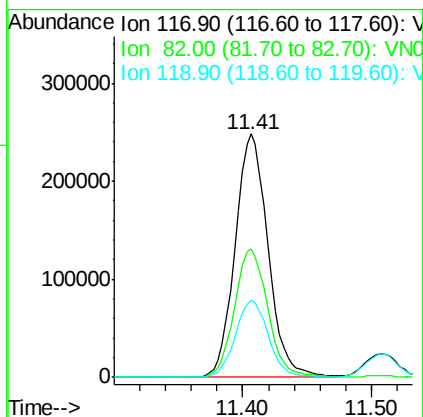
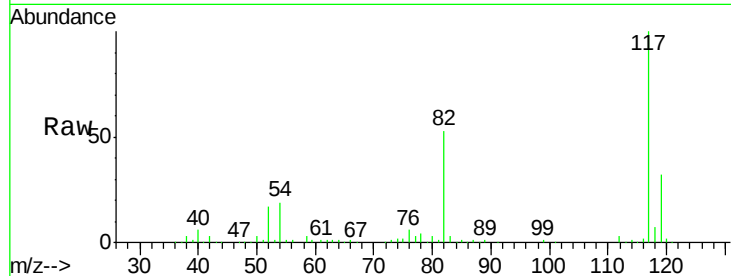
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.0	63.0
119	31.7	25.3	37.9

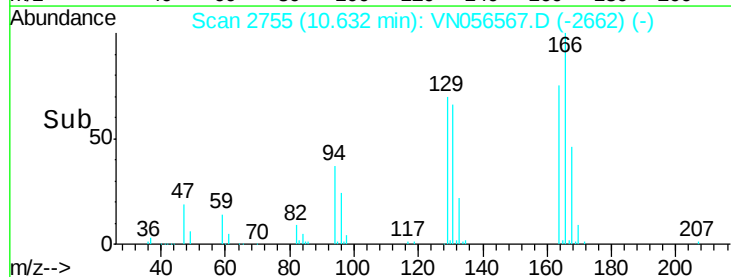
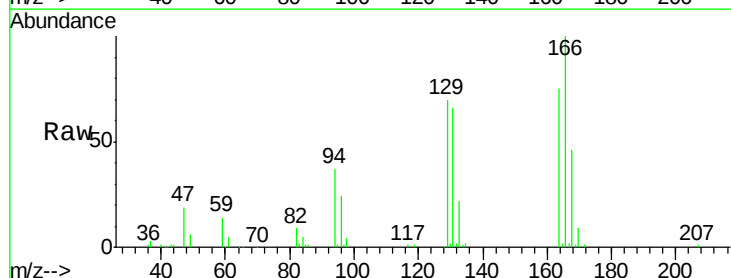
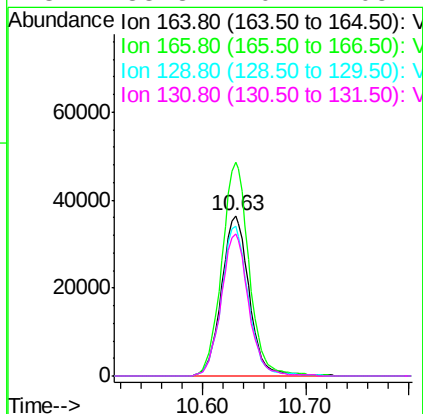
Manual Integrations
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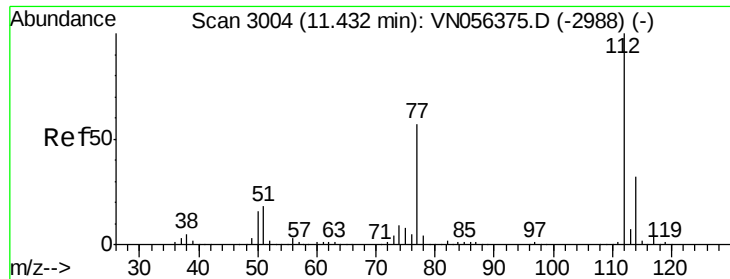
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#64
Tetrachloroethene
Concen: 19.517 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.1	103.4	155.0
129	93.0	72.0	108.0
131	88.3	70.2	105.2





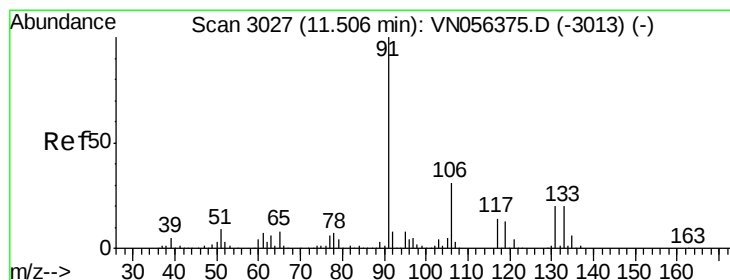
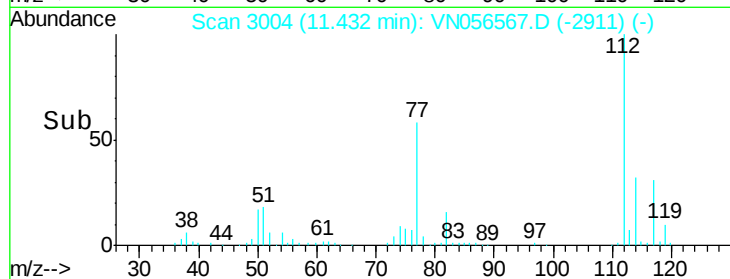
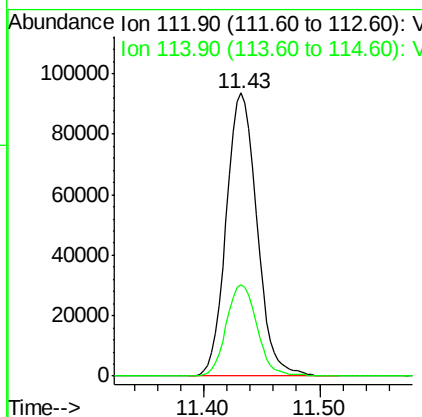
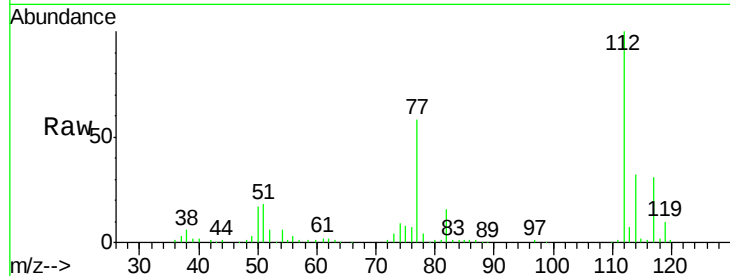
#65
Chlorobenzene
Concen: 19.459 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS01

Tot Ion:112 Resp: 172246
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2

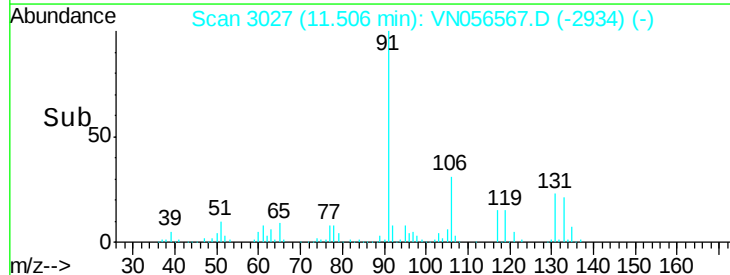
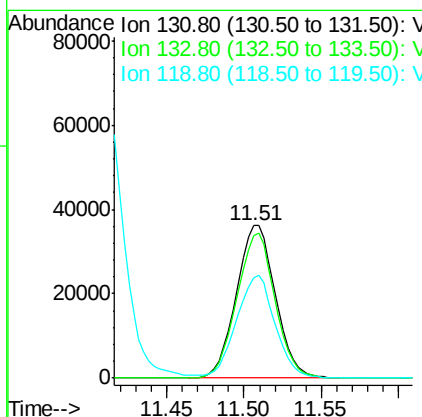
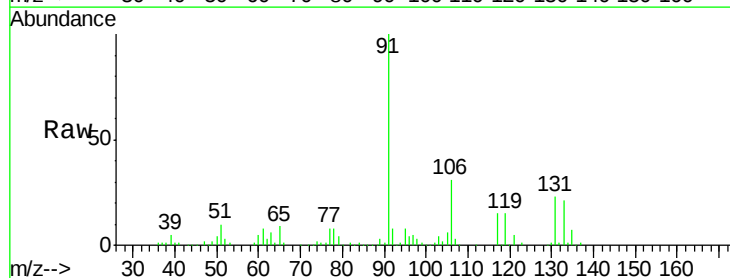
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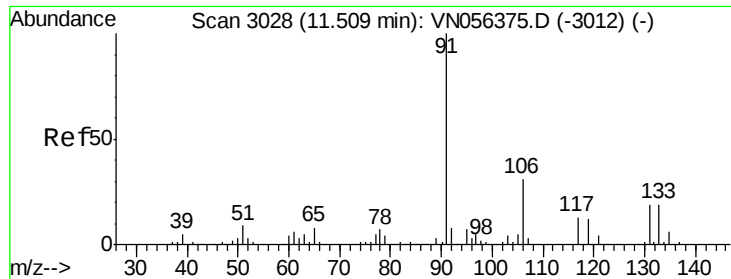
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.290 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion:131 Resp: 63691
Ion Ratio Lower Upper
131 100
133 92.6 47.4 142.2
119 66.4 32.8 98.4





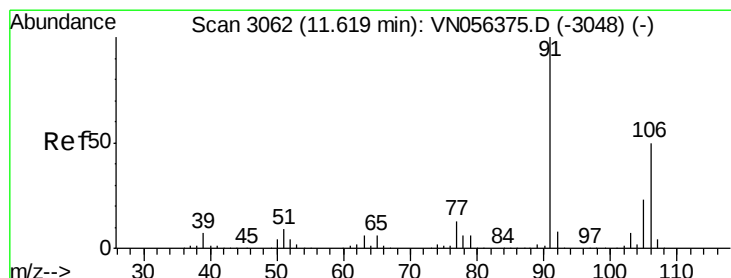
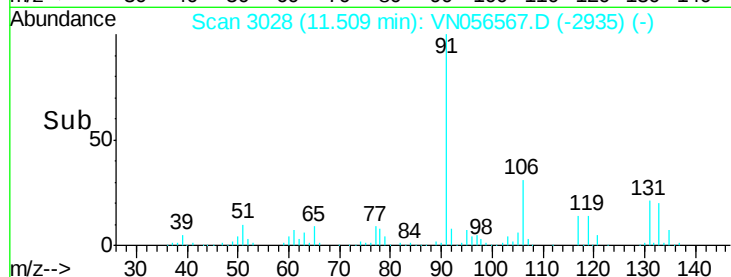
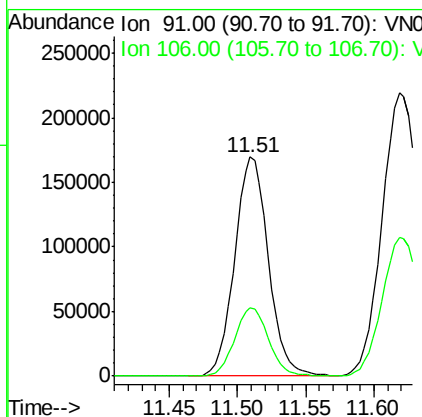
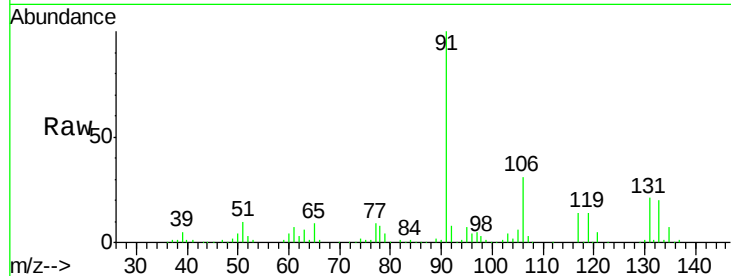
#67
Ethyl Benzene
Concen: 18.773 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS01

Tot Ion: 91 Resp: 291766
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

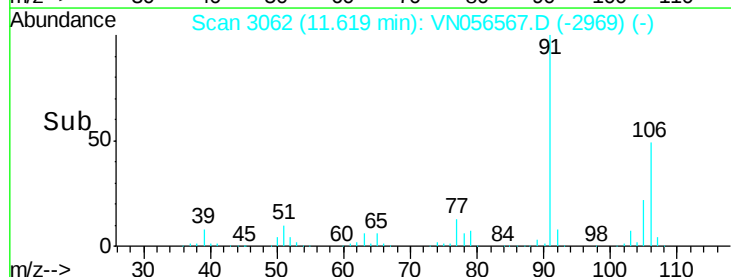
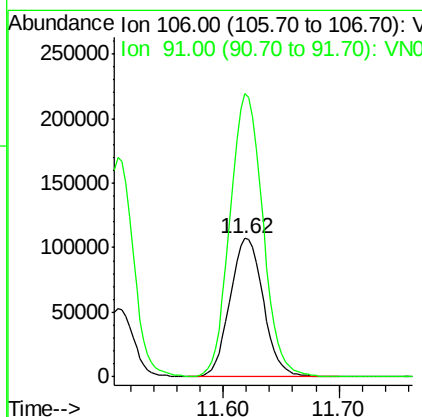
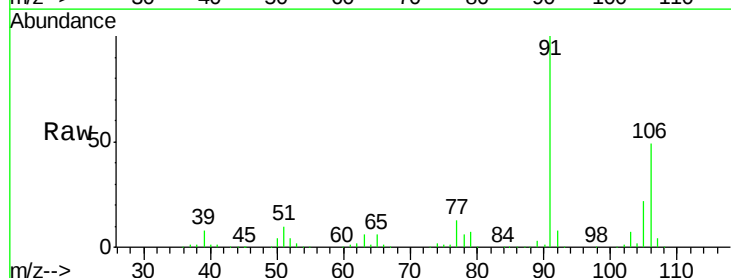
Manual Integrations
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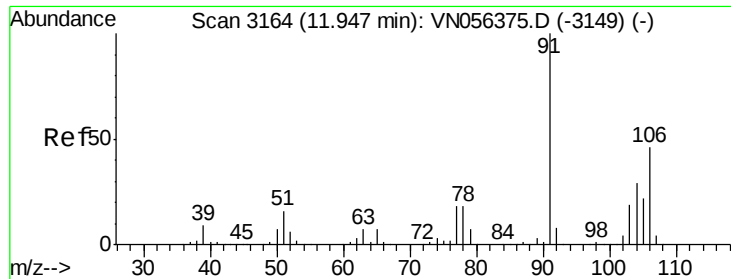
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#68
m/p-Xylenes
Concen: 37.380 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion: 106 Resp: 212910
Ion Ratio Lower Upper
106 100
91 202.6 160.1 240.1





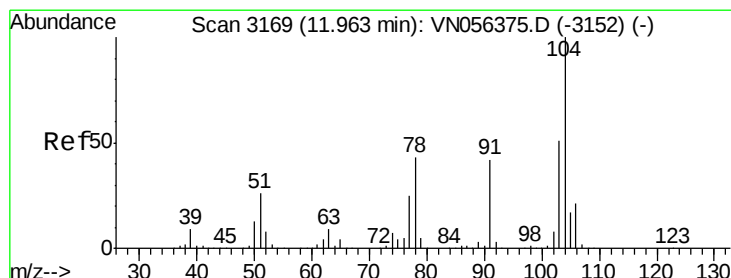
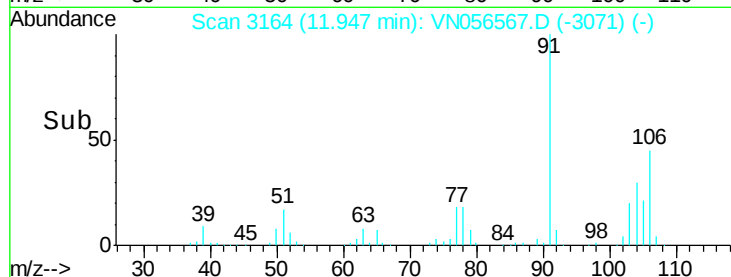
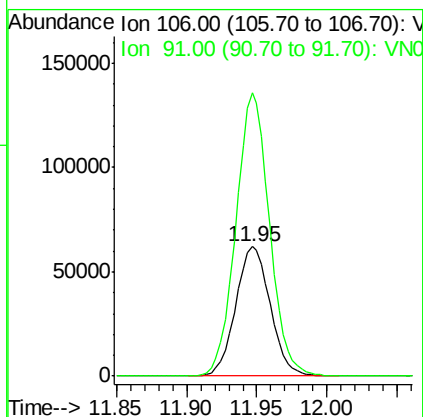
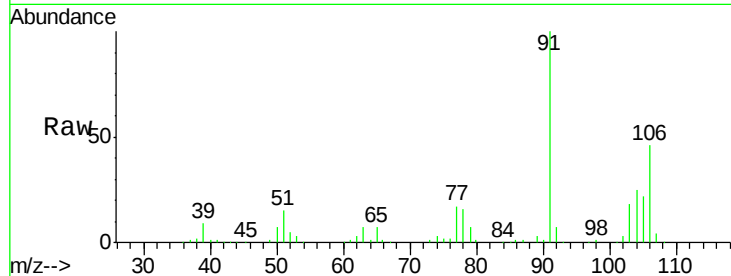
#69
o-Xylene
Concen: 18.946 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS01

Tot Ion:106 Resp: 106761
Ion Ratio Lower Upper
106 100
91 212.2 107.1 321.3

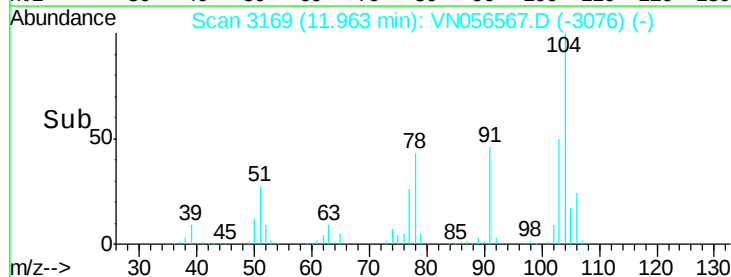
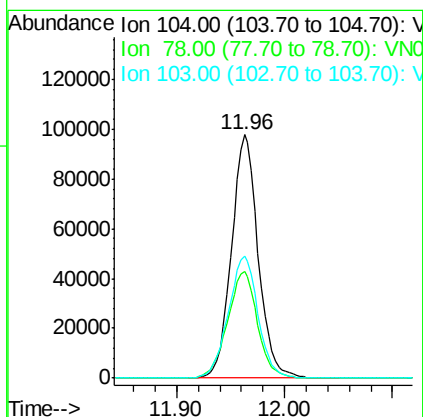
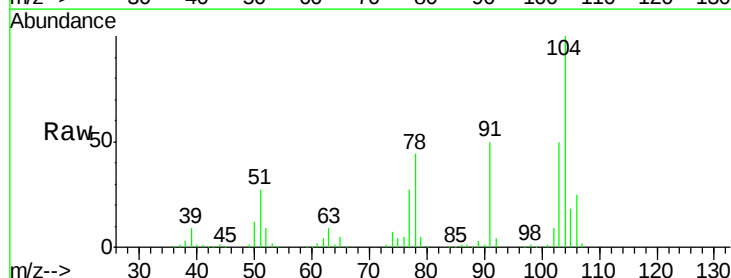
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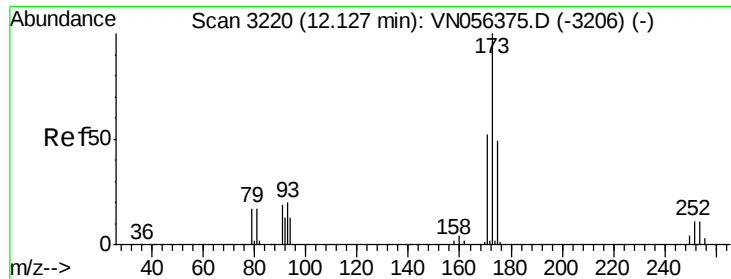
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#70
Styrene
Concen: 18.684 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion:104 Resp: 168287
Ion Ratio Lower Upper
104 100
78 49.1 38.6 57.8
103 56.0 43.9 65.9





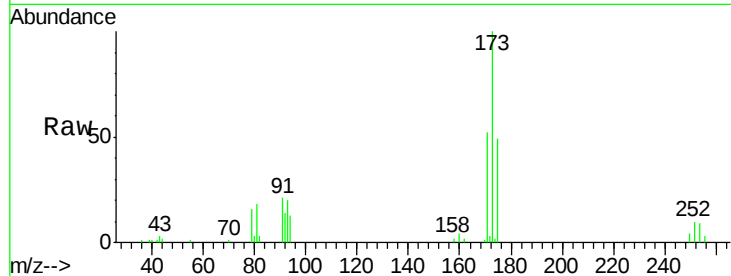
#71
Bromoform
Concen: 19.510 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.4	73.4
254	0.0	0.0	0.0

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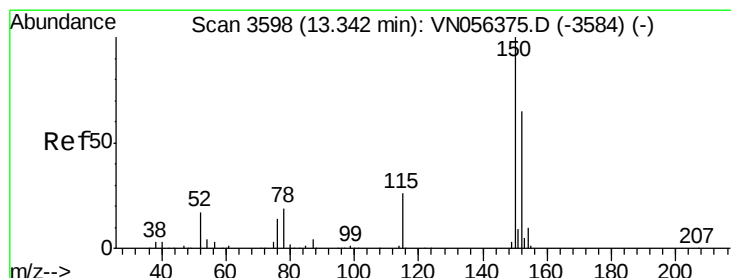
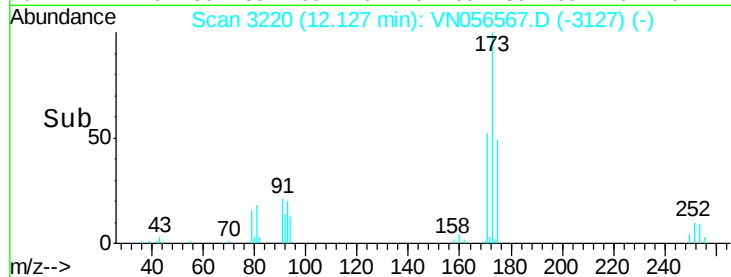
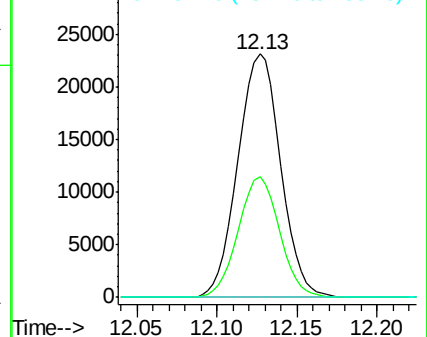


Abundance

Ion 172.70 (172.40 to 173.40): V

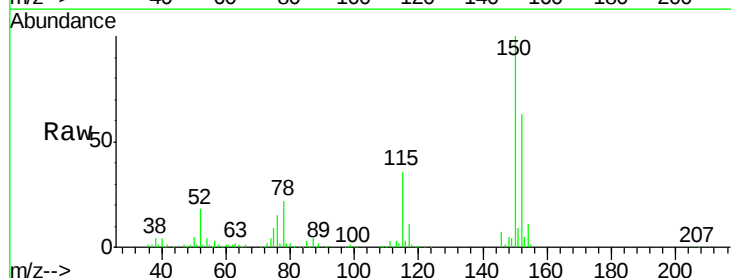
Ion 174.70 (174.40 to 175.40): V

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: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.1	84.4
150	166.2	0.0	348.4

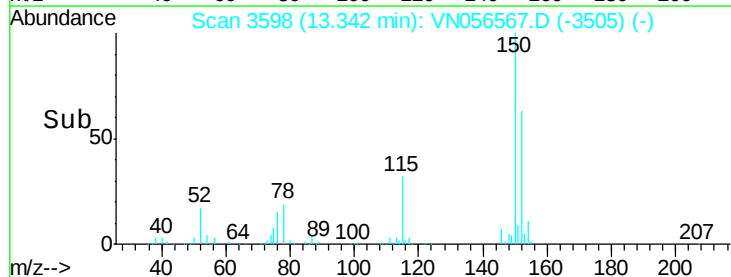
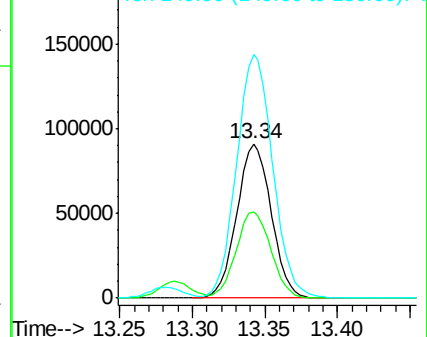


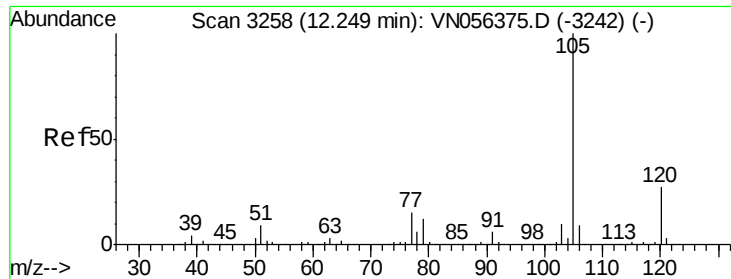
Abundance

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: 23.930 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS01

Tot Ion: 105 Resp: 285489

Ion Ratio Lower Upper

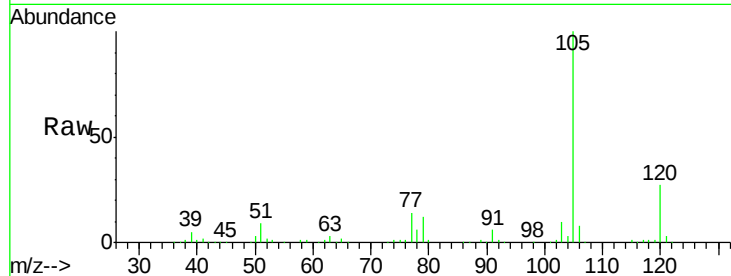
105 100

120 26.7 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

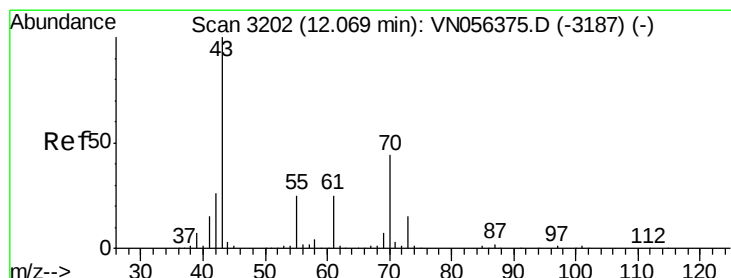
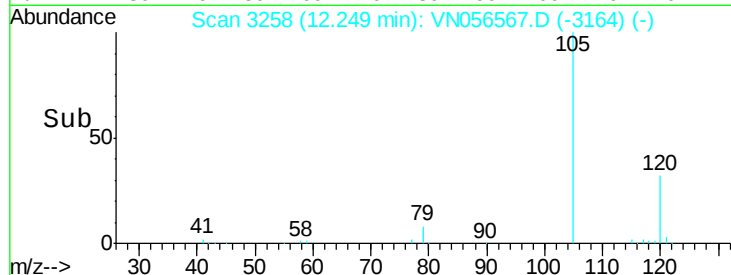
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.085 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Tgt Ion: 43 Resp: 105466

Ion Ratio Lower Upper

43 100

70 41.8 34.9 52.3

55 26.5 20.4 30.6

61 24.4 19.8 29.8

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

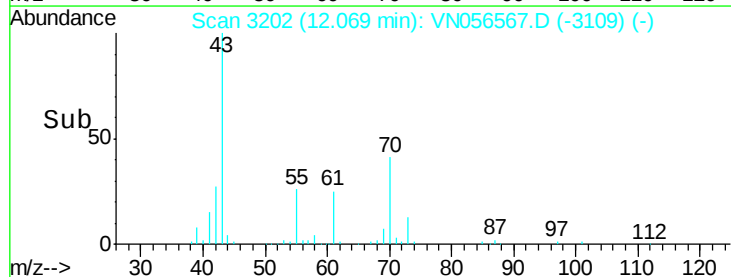
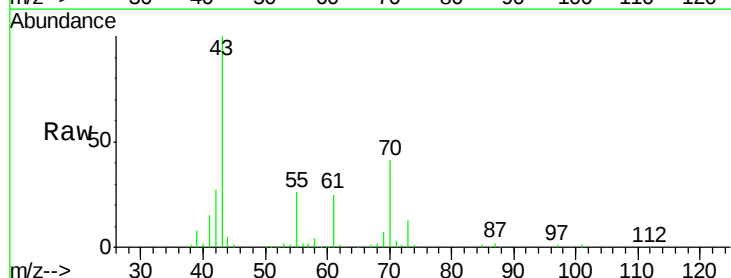
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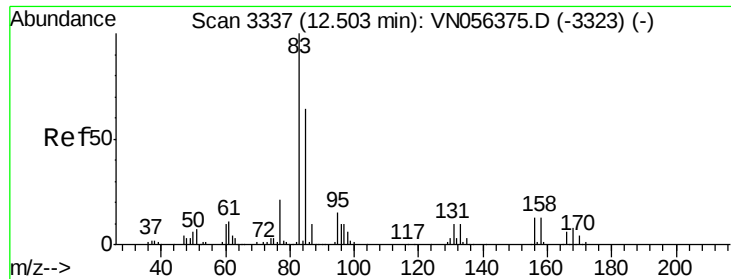
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 25.669 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

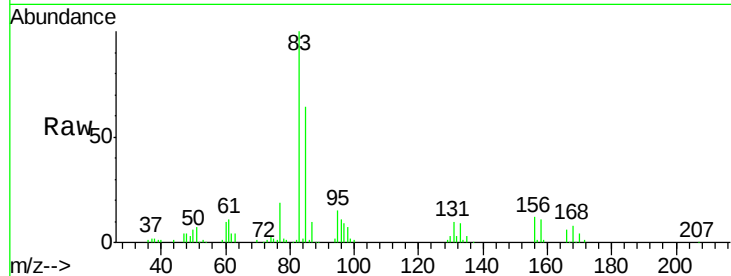
ClientSampleId :

VN0701WBS01

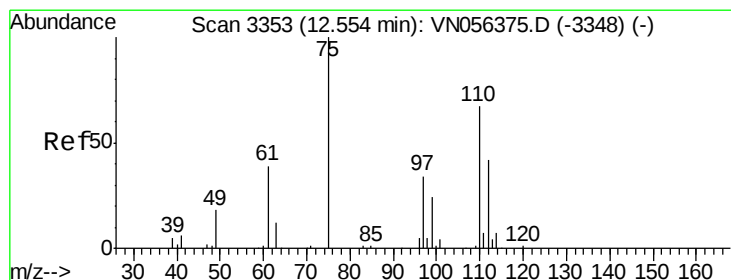
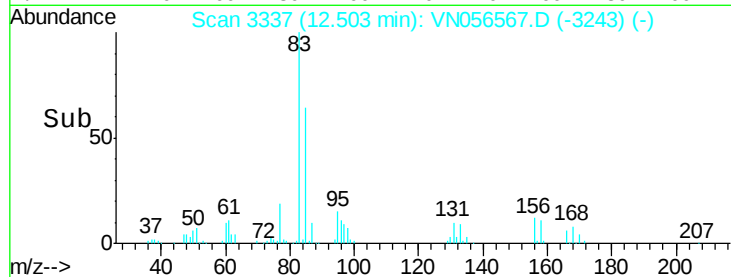
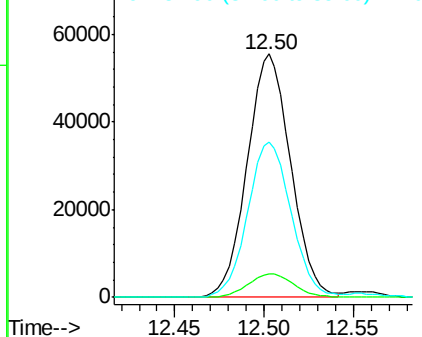
Tot Ion:	83	Resp:	94784
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.0	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN056567.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 24.443 ug/l m

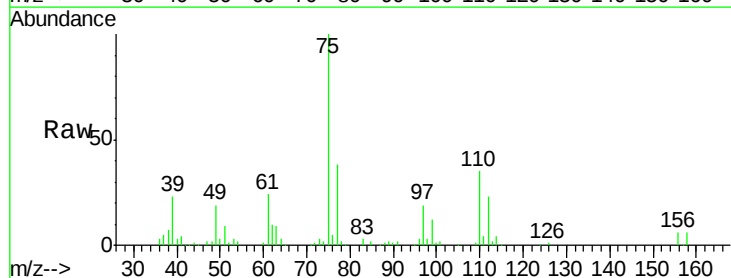
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

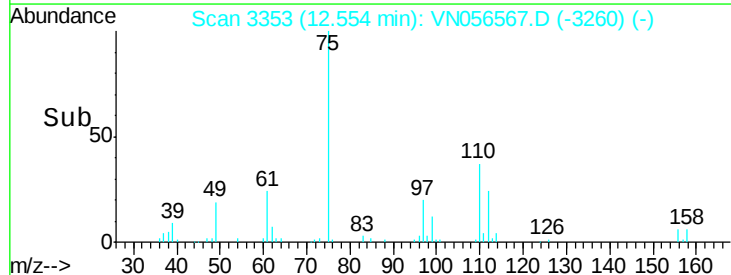
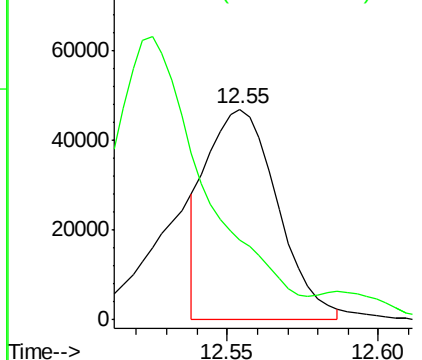
Lab File: VN056567.D

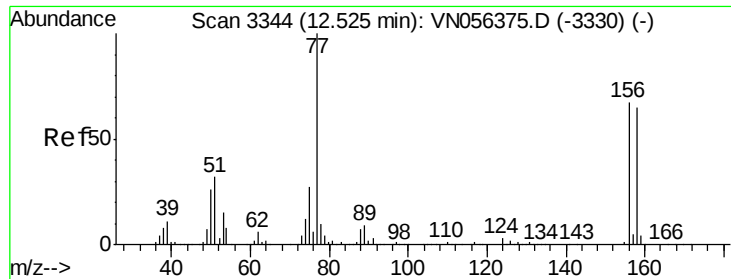
Acq: 1 Jul 2019 13:14

Tgt Ion:	75	Resp:	76052
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056567.D (-3348) (-)





#77

Bromobenzene

Concen: 21.317 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

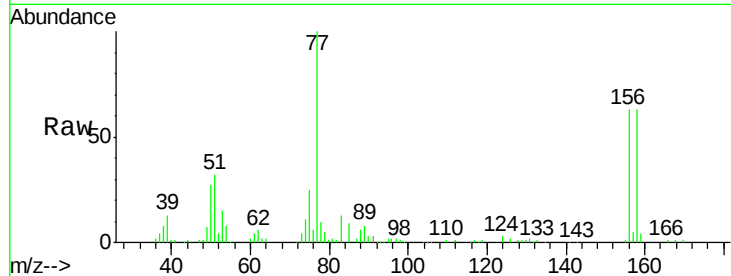
ClientSampleId :

VN0701WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.3	92.5	277.3
158	98.1	48.7	146.1

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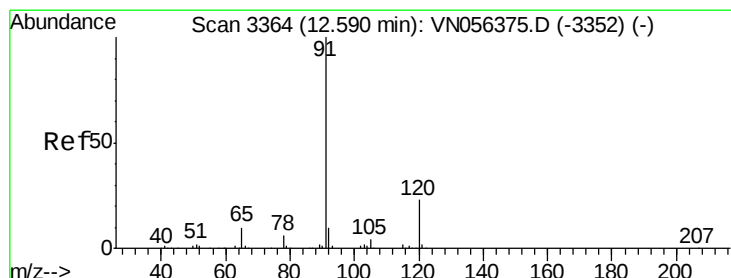
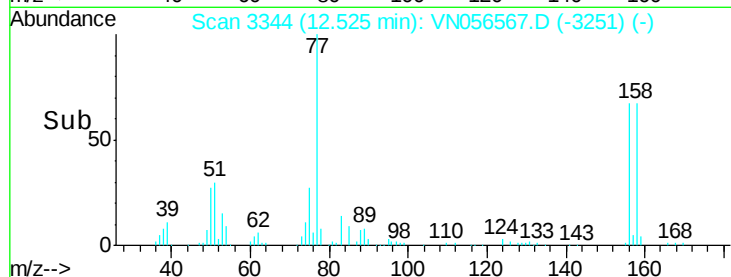
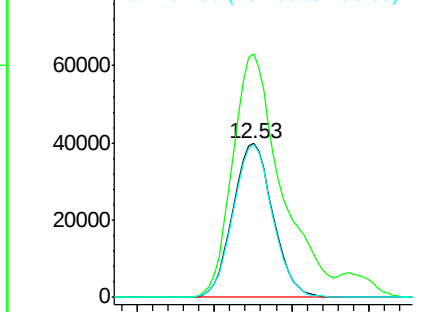
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.456 ug/l

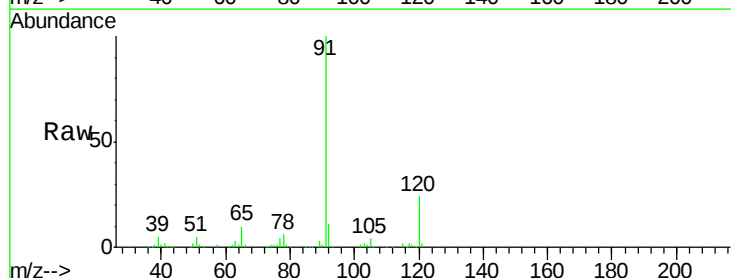
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056567.D

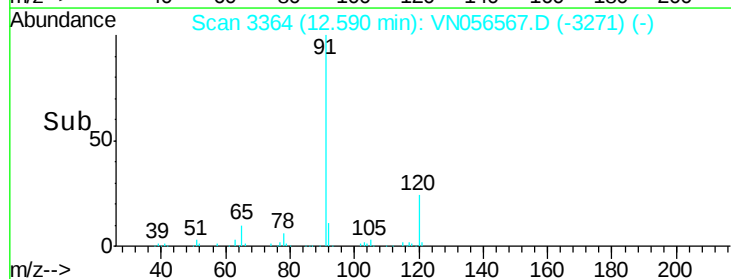
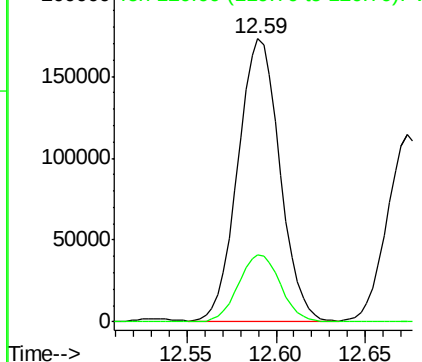
Acq: 1 Jul 2019 13:14

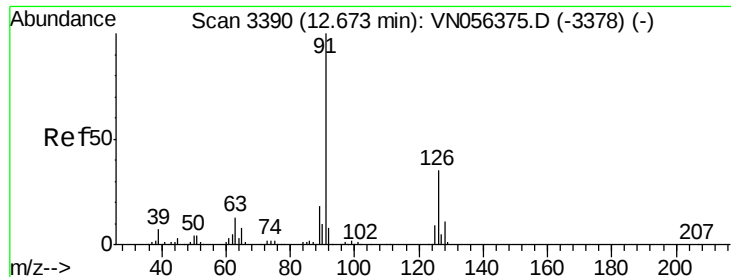
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.191 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0701WBS01

Tot Ion: 91 Resp: 184957

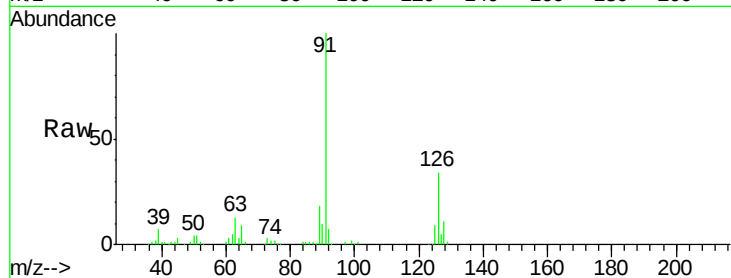
Ion Ratio Lower Upper

91 100

126 34.3 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) (-)

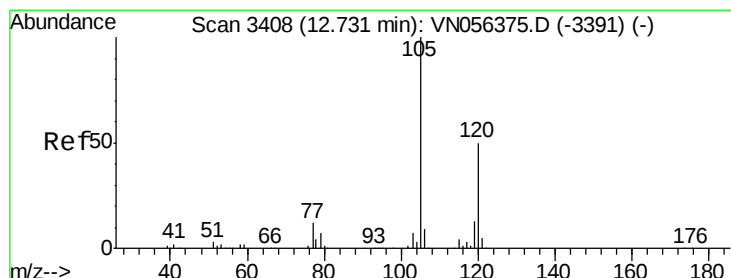
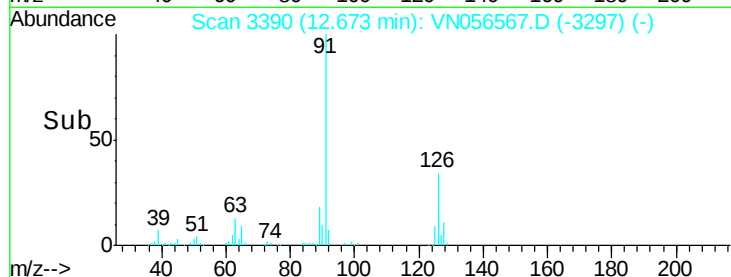
12.67

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 22.412 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056567.D

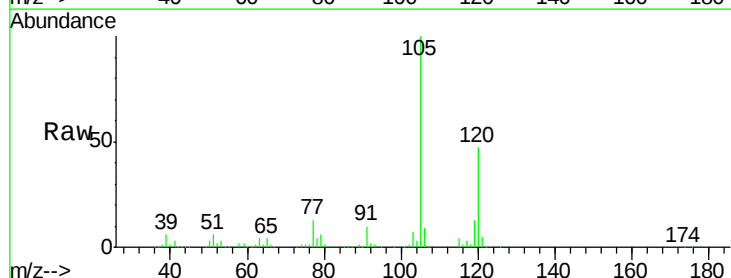
Acq: 1 Jul 2019 13:14

Tgt Ion: 105 Resp: 223415

Ion Ratio Lower Upper

105 100

120 48.2 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) (-)

12.73

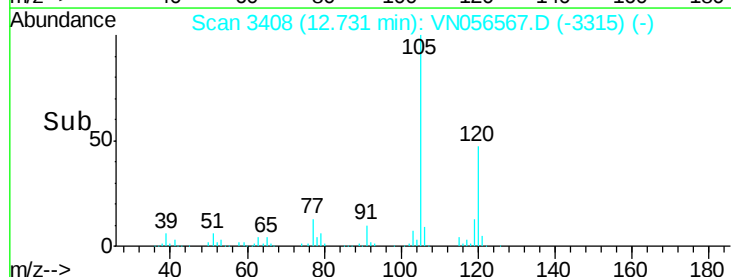
150000

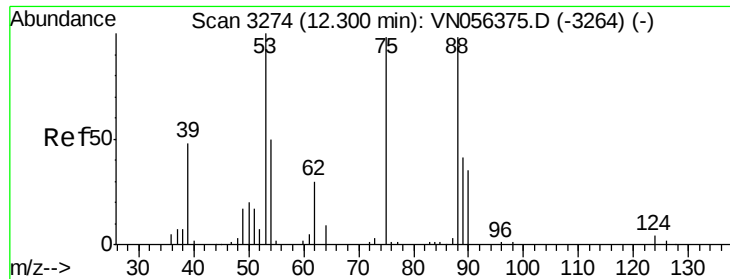
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





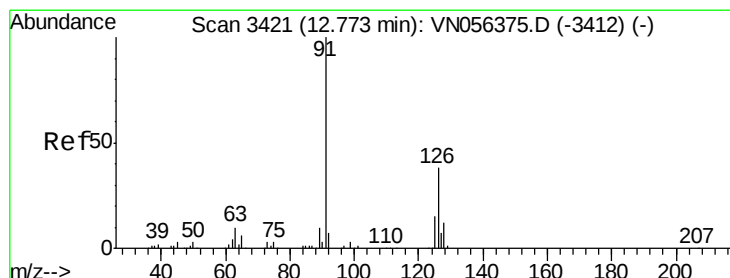
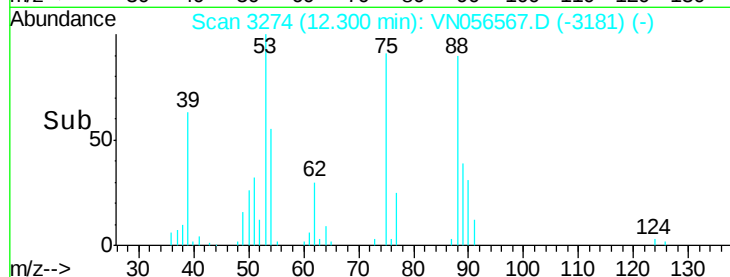
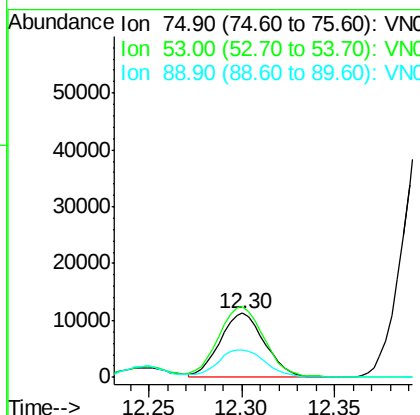
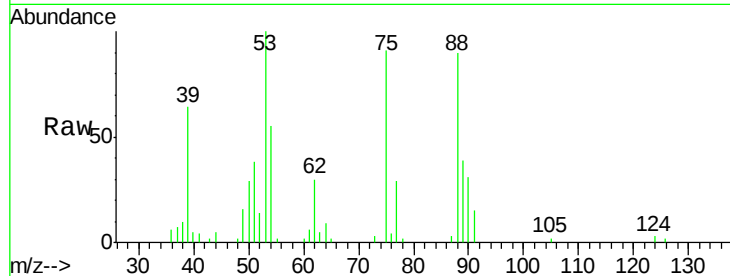
#81
trans-1,4-Dichloro-2-butene
Concen: 21.573 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.1	83.9	125.9
89	45.0	35.0	52.6

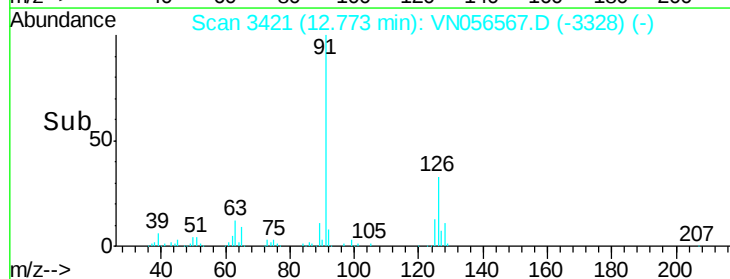
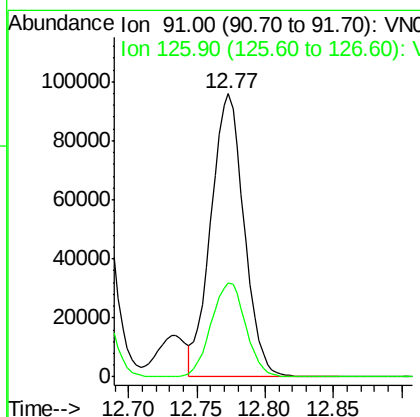
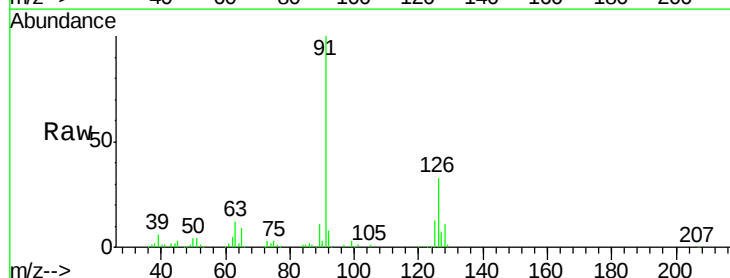
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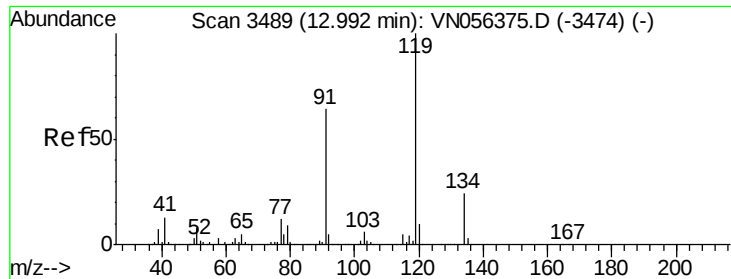
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#82
4-Chlorotoluene
Concen: 19.988 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056567.D
Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0





#83

tert-Butylbenzene

Concen: 23.196 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

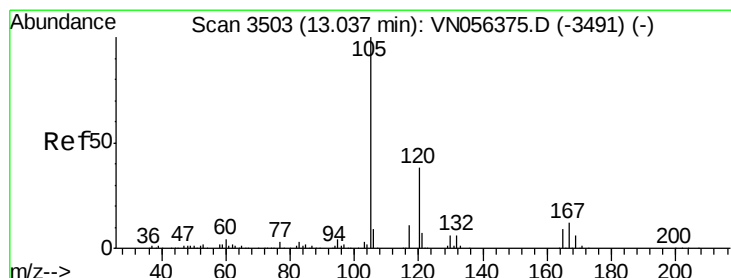
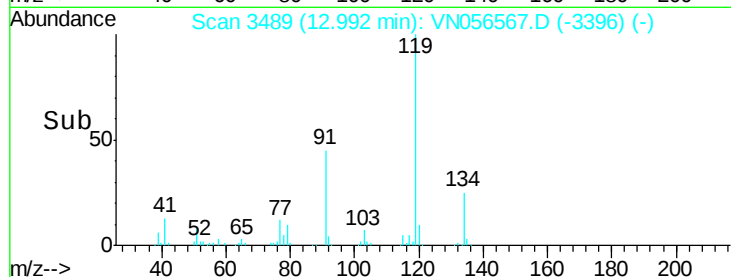
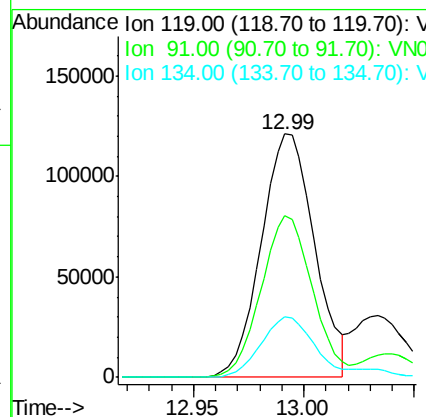
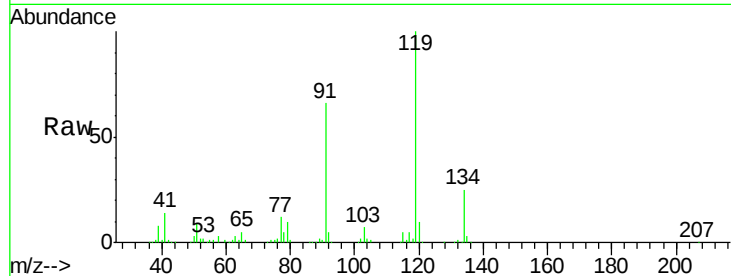
ClientSampleId :

VN0701WBS01

Tot Ion:	119	Resp:	203046
Ion Ratio	Lower	Upper	
119	100		
91	64.1	31.6	94.7
134	24.7	13.2	39.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.327 ug/l

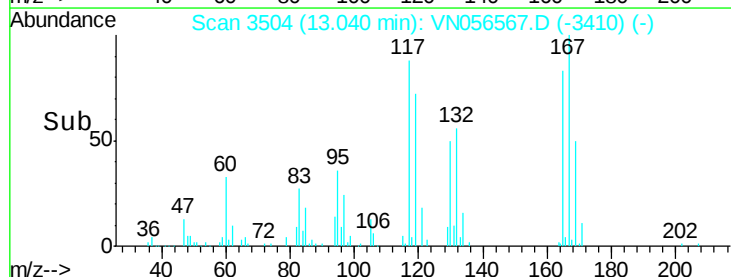
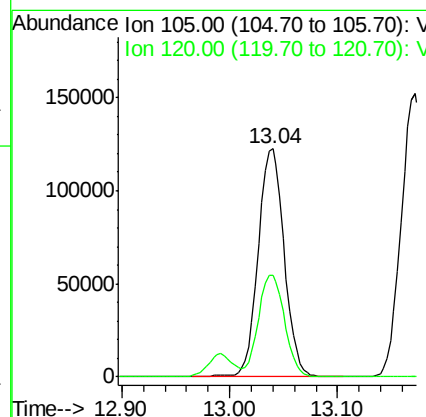
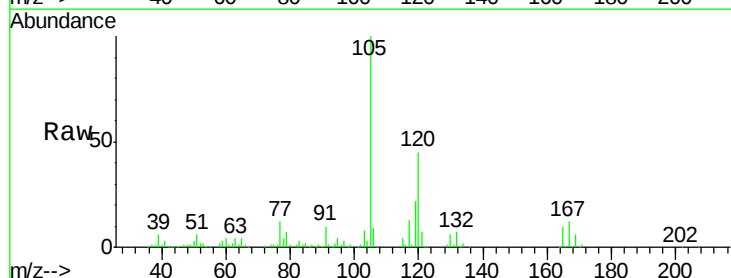
RT: 13.04 min Scan# 3504

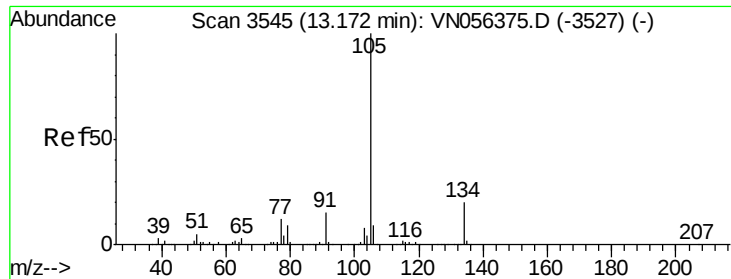
Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Tgt Ion:	105	Resp:	205329
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.9	68.8





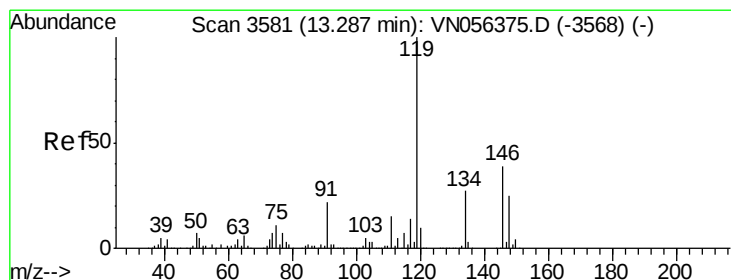
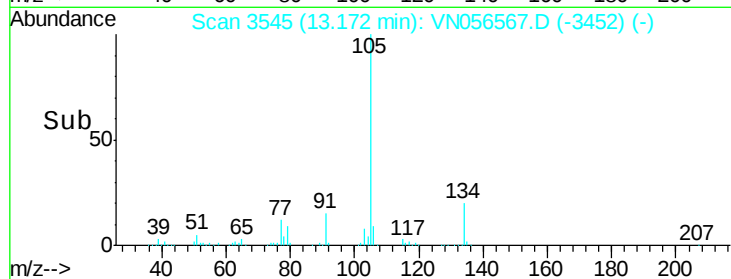
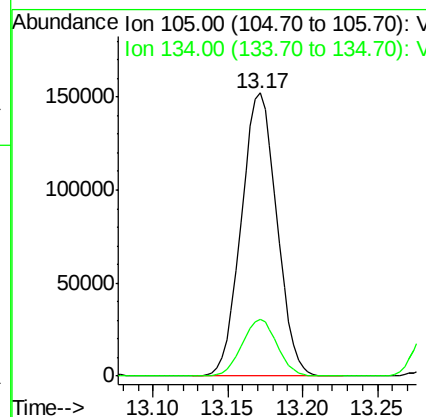
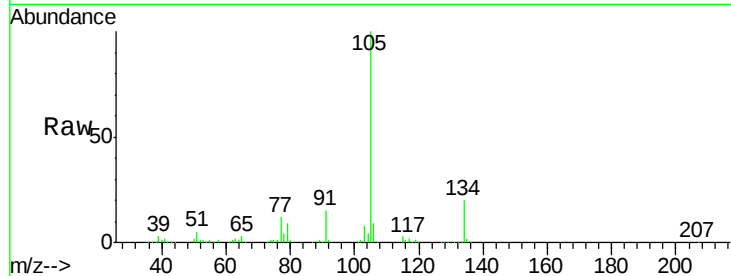
#85
 sec-Butylbenzene
 Concen: 20.834 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.4

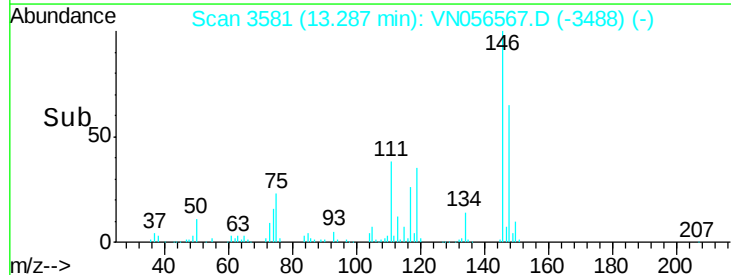
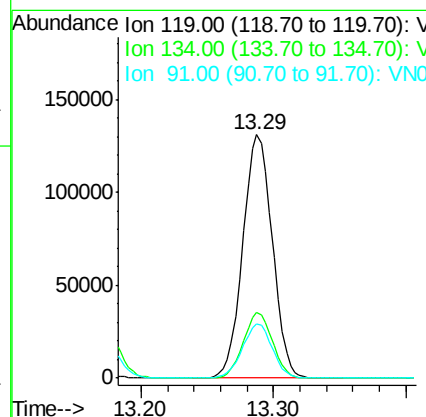
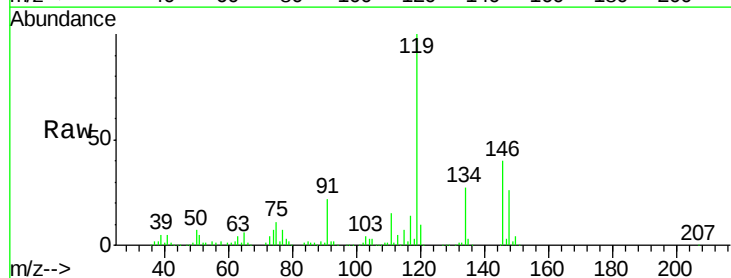
Manual Integrations
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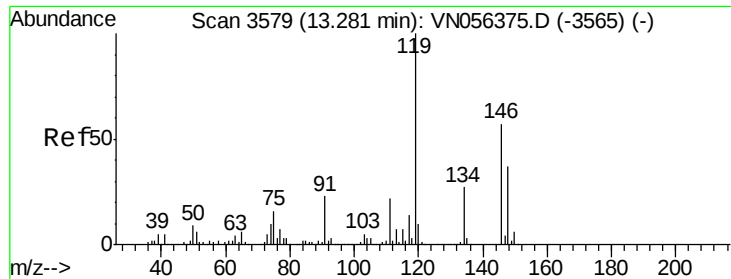
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#86
 p-Isopropyltoluene
 Concen: 19.564 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	22.5	11.2	33.5





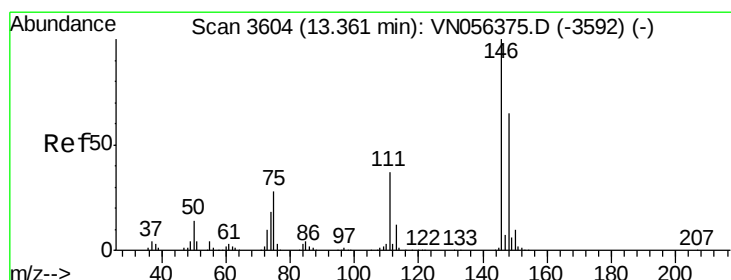
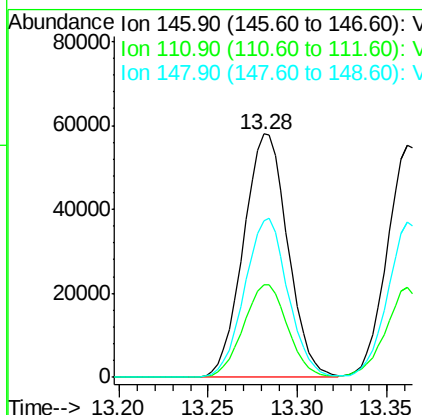
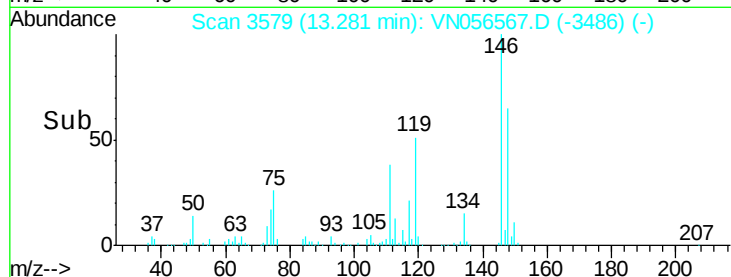
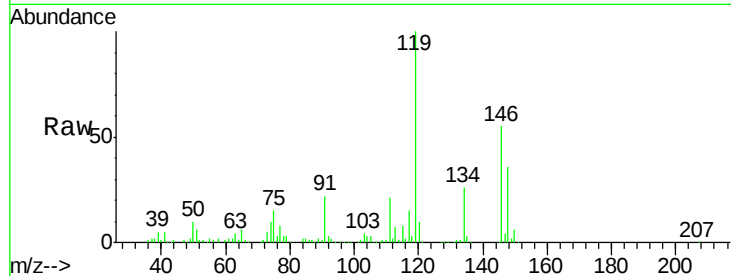
#87
 1,3-Dichlorobenzene
 Concen: 19.802 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	100685		
111	37.6		18.9	56.9
148	63.7		32.1	96.5

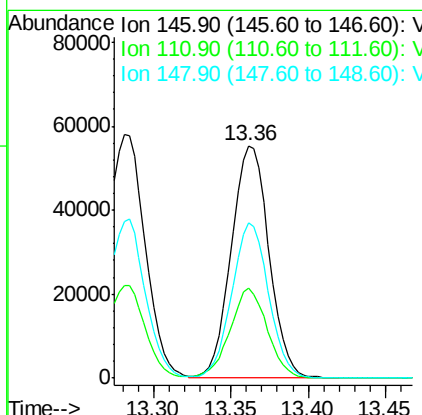
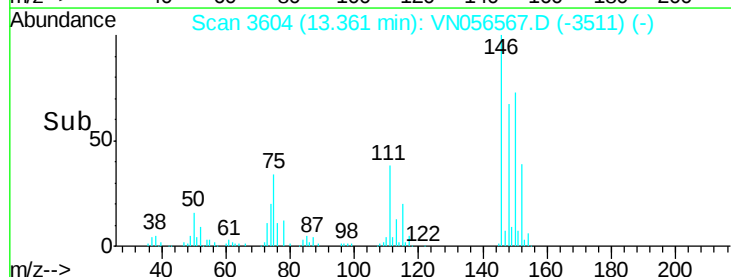
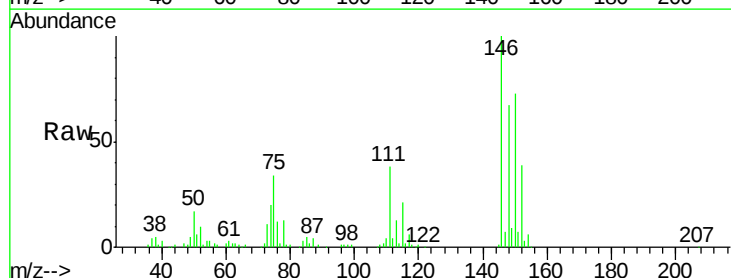
Manual Integrations
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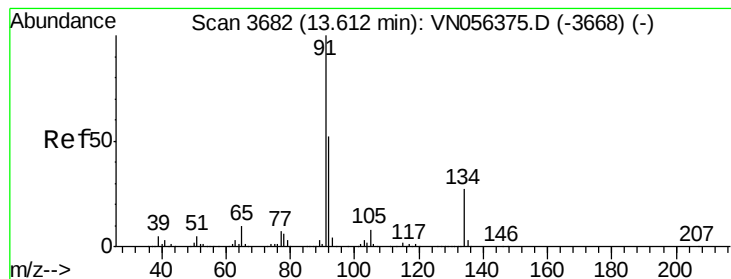
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#88
 1,4-Dichlorobenzene
 Concen: 19.006 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	93591		
111	38.4		18.4	55.4
148	65.4		32.4	97.0





#89

n-Butylbenzene

Concen: 16.402 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

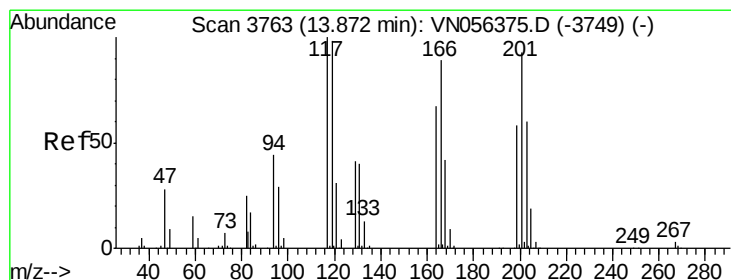
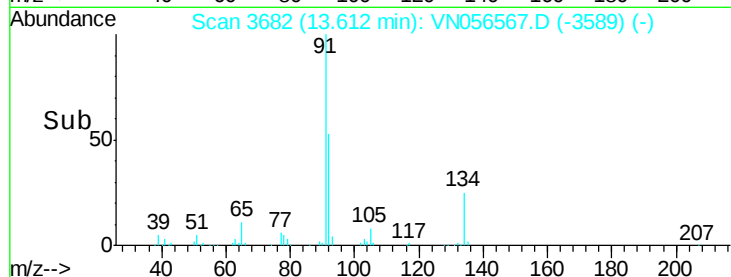
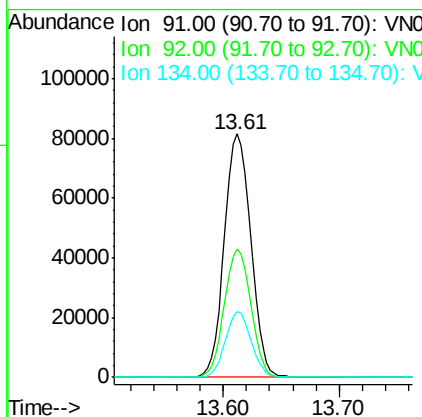
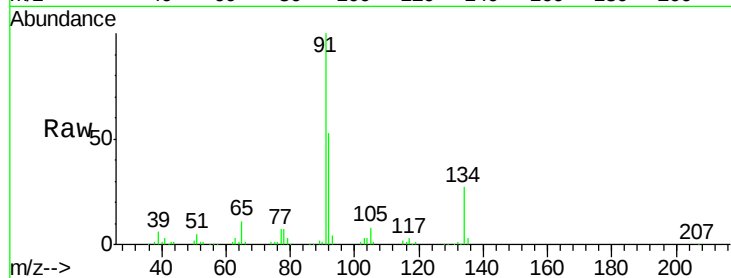
ClientSampled :

VN0701WBS01

Tot Ion:	91	Resp:	128704
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	26.2	13.4	40.2

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#90

Hexachloroethane

Concen: 22.980 ug/l

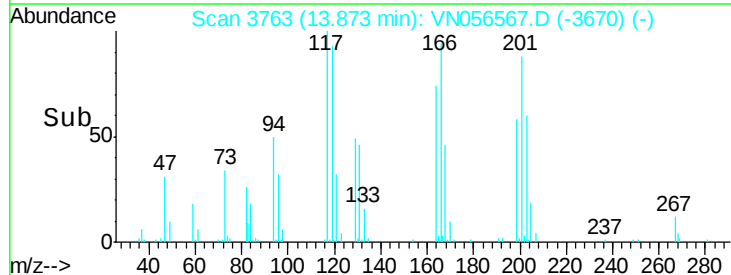
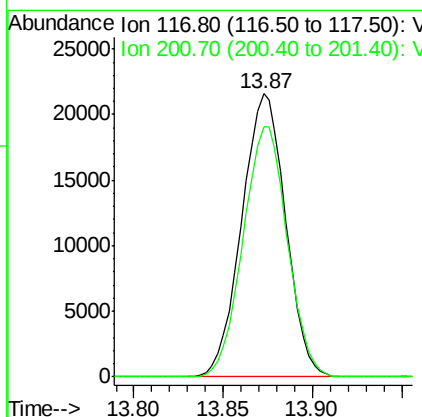
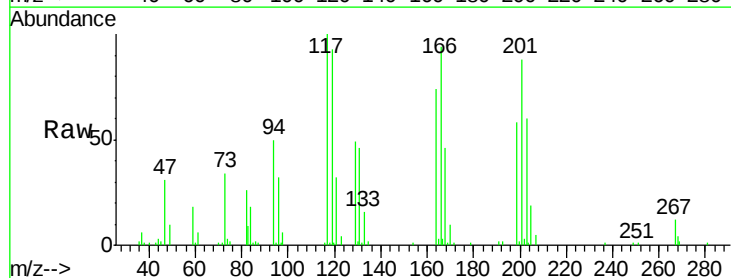
RT: 13.87 min Scan# 3763

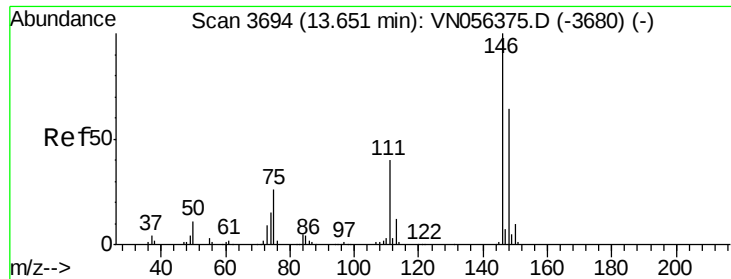
Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Tgt Ion:	117	Resp:	37134
Ion	Ratio	Lower	Upper
117	100		
201	88.9	45.9	137.6





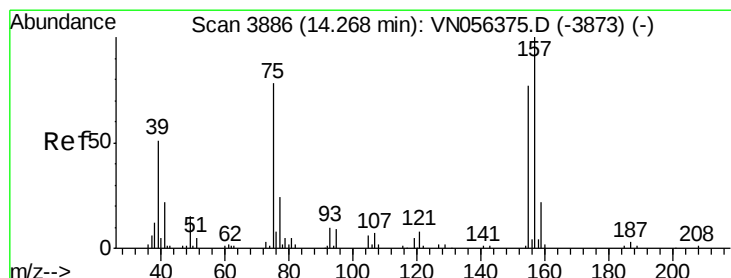
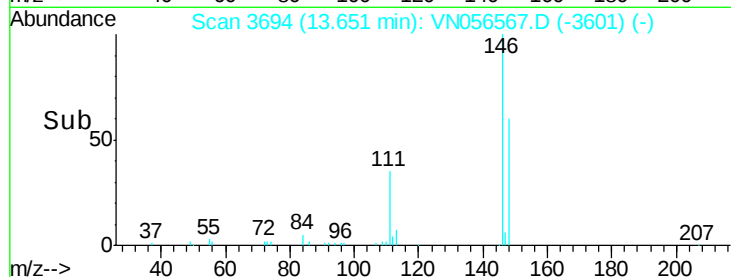
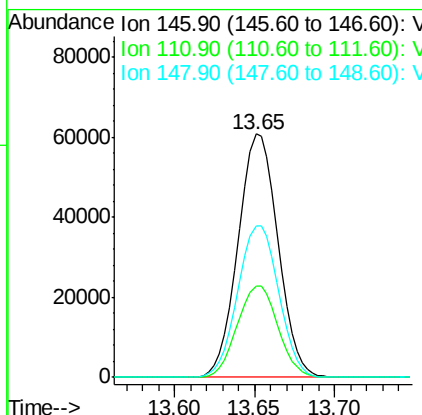
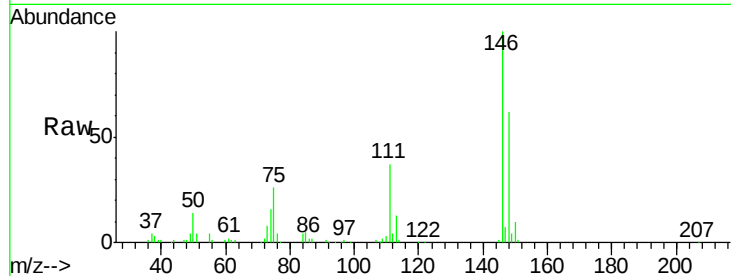
#91
 1,2-Dichlorobenzene
 Concen: 20.514 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.9
148	64.0	32.0	96.0

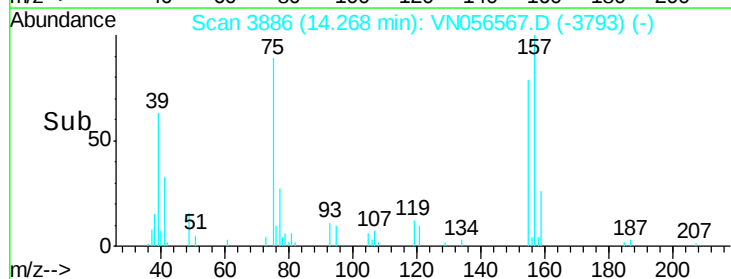
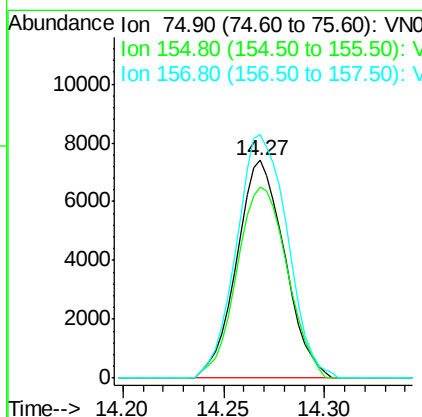
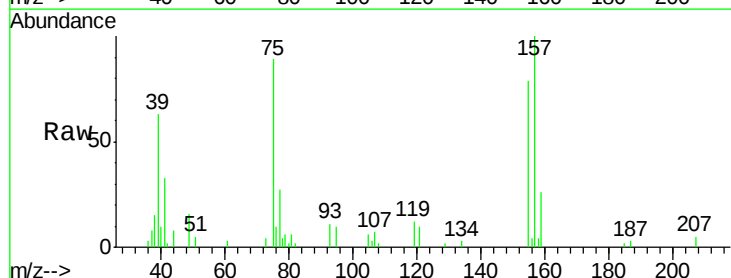
Manual Integrations
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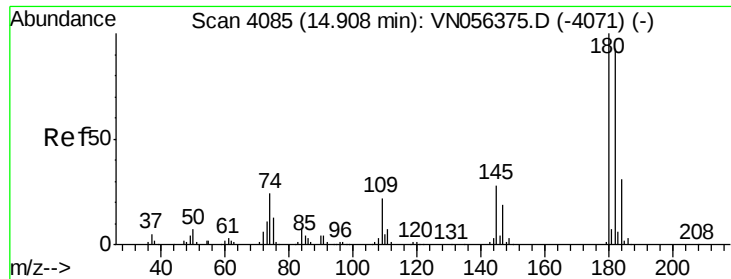
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.260 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	48.9	146.8
157	118.6	62.9	188.8





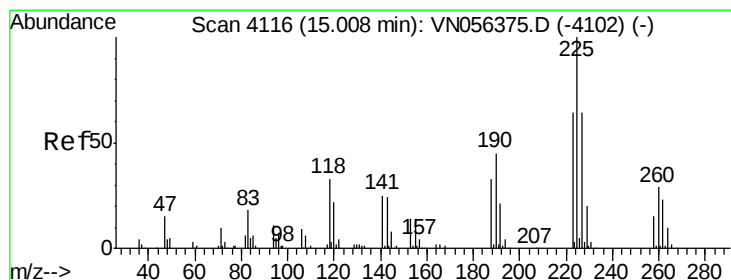
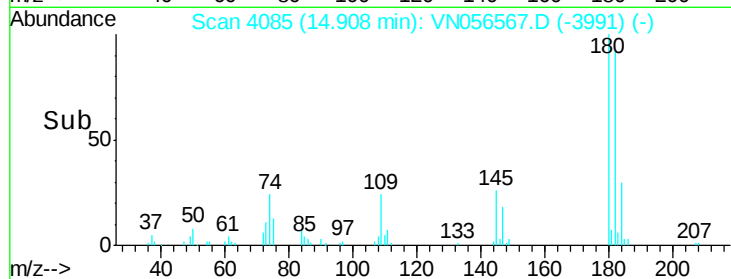
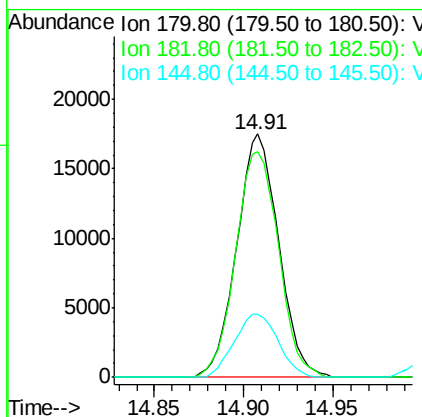
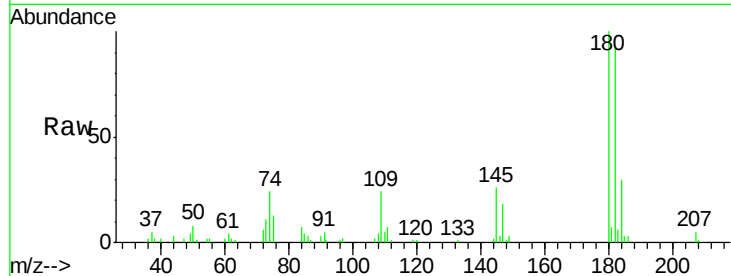
#93
 1,2,4-Trichlorobenzene
 Concen: 15.275 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.6
145	27.2	14.4	43.0

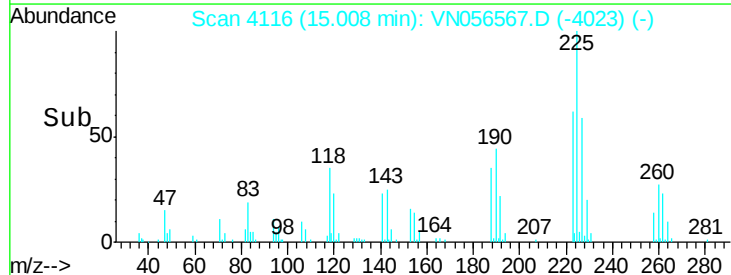
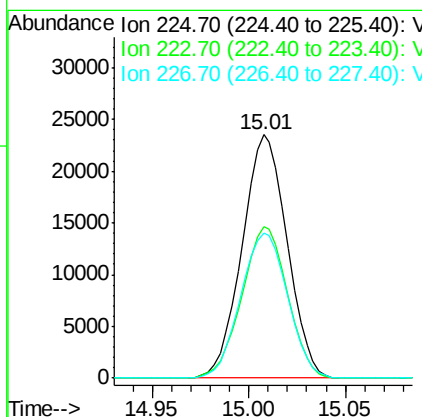
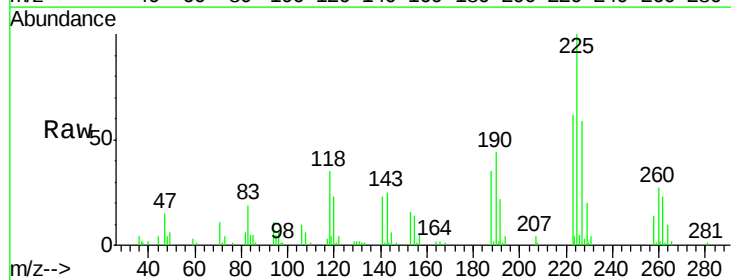
Manual Integrations
 APPROVED

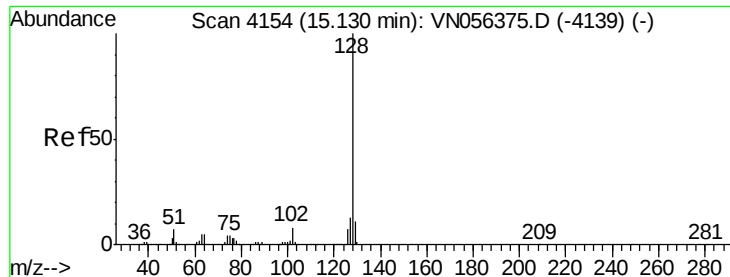
MMDadoda
 7/3/2019 9:16:08 AM



#94
 Hexachlorobutadiene
 Concen: 21.140 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056567.D
 Acq: 1 Jul 2019 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.3
227	62.1	32.1	96.3





#95

Naphthalene

Concen: 16.017 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Instrument :

MSVOA_N

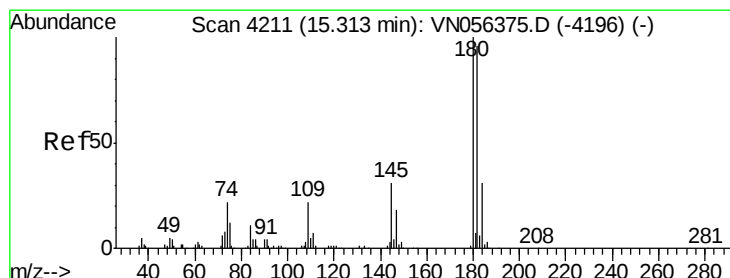
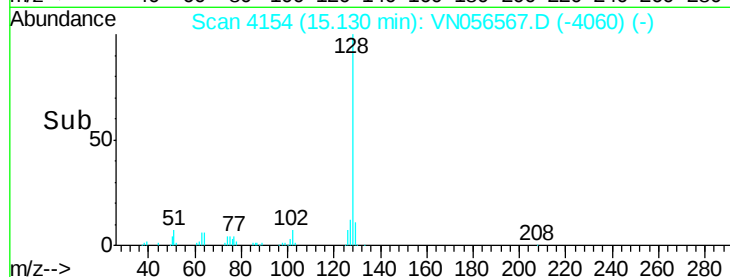
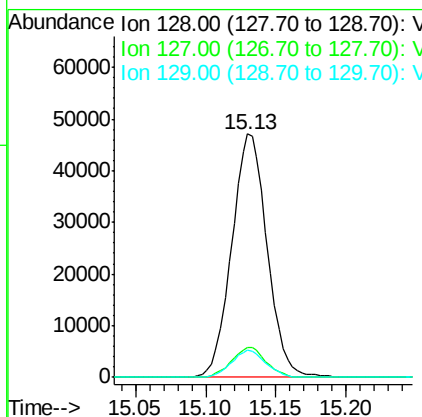
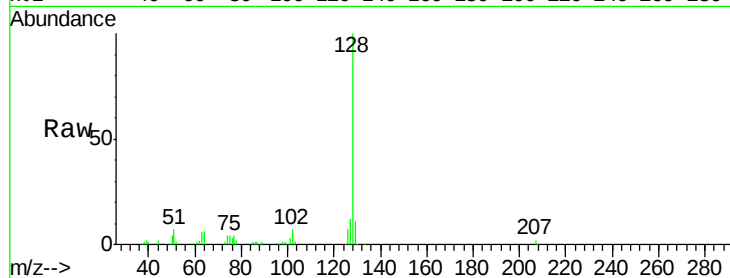
ClientSampleId :

VN0701WBS01

Tot Ion:	128	Resp:	82628
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 15.721 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056567.D

Acq: 1 Jul 2019 13:14

Tgt Ion:	180	Resp:	33606
Ion Ratio	Lower	Upper	
180	100		
182	99.1	48.3	144.8
145	31.0	15.4	46.1

