

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056923.D
 Acq On : 25 Jul 2019 15:25
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 7/26/2019 3:36:54 PM

Quant Time: Jul 26 03:58:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:51:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	644837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	583067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	244230	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	7.57	113	223764	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
50) Toluene-d8	10.08	98	846285	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
62) 4-Bromofluorobenzene	12.40	95	277813	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	272711	57.633	ug/l	100
3) Chloromethane	2.05	50	299941	53.016	ug/l	100
4) Vinyl Chloride	2.17	62	280816	52.713	ug/l	100
5) Bromomethane	2.54	94	165015	51.211	ug/l	100
6) Chloroethane	2.68	64	154563	52.269	ug/l	100
7) Trichlorofluoromethane	3.00	101	368265	53.040	ug/l	100
8) Diethyl Ether	3.39	74	138836	53.395	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	221606	51.944	ug/l	100
10) Methyl Iodide	3.93	142	339058	54.087	ug/l	100
11) Tert butyl alcohol	4.77	59	164146	250.499	ug/l	100
12) 1,1-Dichloroethene	3.72	96	217779	52.867	ug/l	100
13) Acrolein	3.59	56	87332	237.820	ug/l	100
14) Allyl chloride	4.30	41	356721	53.370	ug/l	100
15) Acrylonitrile	4.96	53	515071	273.142	ug/l	100
16) Acetone	3.80	43	432462	278.799	ug/l	100
17) Carbon Disulfide	4.03	76	583808	52.618	ug/l	100
18) Methyl Acetate	4.30	43	273620	50.385	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	648817	53.564	ug/l	100
20) Methylene Chloride	4.53	84	247359	50.357	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	230860	52.371	ug/l	100
22) Diisopropyl ether	5.93	45	733093	53.857	ug/l	100
23) Vinyl Acetate	5.87	43	2605542	277.882	ug/l	100
24) 1,1-Dichloroethane	5.83	63	422343	52.812	ug/l	100
25) 2-Butanone	6.82	43	652149	273.132	ug/l	100
26) 2,2-Dichloropropane	6.81	77	317611	54.117	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	268167	53.310	ug/l	100
28) Bromochloromethane	7.18	49	195381	52.940	ug/l	100
29) Tetrahydrofuran	7.19	42	425858	272.192	ug/l	100
30) Chloroform	7.36	83	417694	50.716	ug/l	100
31) Cyclohexane	7.64	56	396531	50.953	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	348829	52.886	ug/l	100
36) 1,1-Dichloropropene	7.78	75	311776	52.884	ug/l	100
37) Ethyl Acetate	6.91	43	257789	53.962	ug/l	100
38) Carbon Tetrachloride	7.76	117	300557	53.598	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	399608	55.616	ug/l	100
40) Benzene	8.03	78	976776	53.132	ug/l	100
41) Methacrylonitrile	7.15	41	98579m	46.925	ug/l	
42) 1,2-Dichloroethane	8.11	62	302719	53.313	ug/l	100
43) Isopropyl Acetate	8.15	43	423619	53.898	ug/l	100
44) Trichloroethene	8.82	130	270160	53.868	ug/l	100
45) 1,2-Dichloropropane	9.11	63	262724	53.177	ug/l	100
46) Dibromomethane	9.20	93	162403	54.526	ug/l	100
47) Bromodichloromethane	9.39	83	316680	54.447	ug/l	100
48) Methyl methacrylate	9.19	41	211989	56.187	ug/l	100
49) 1,4-Dioxane	9.19	88	88480	1119.956	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1276789	273.228	ug/l	100
52) Toluene	10.15	92	605810	54.944	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	328101	55.952	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	386344	55.964	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	233555	52.854	ug/l	100
56) Ethyl methacrylate	10.42	69	333194	56.082	ug/l	100
57) 1,3-Dichloropropane	10.70	76	390887	54.048	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	689948	294.617	ug/l	100
59) 2-Hexanone	10.74	43	912484	284.827	ug/l	100
60) Dibromochloromethane	10.89	129	245964	54.786	ug/l	100
61) 1,2-Dibromoethane	11.00	107	241128	54.975	ug/l	100
64) Tetrachloroethene	10.62	164	278310	52.255	ug/l	100
65) Chlorobenzene	11.43	112	644401	52.824	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	240752	53.066	ug/l	100
67) Ethyl Benzene	11.50	91	1145055	54.518	ug/l	100
68) m/p-Xylenes	11.61	106	864134	110.335	ug/l	100
69) o-Xylene	11.94	106	416172	54.304	ug/l	100
70) Styrene	11.96	104	694386	57.199	ug/l	100
71) Bromoform	12.12	173	170625	54.148	ug/l	# 100
73) Isopropylbenzene	12.24	105	1112605	48.601	ug/l	100
74) N-amyl acetate	12.06	43	343823	51.168	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	302468	45.857	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	277079m	56.194	ug/l	
77) Bromobenzene	12.52	156	286338	48.955	ug/l	100
78) n-propylbenzene	12.59	91	1228705	50.827	ug/l	100
79) 2-Chlorotoluene	12.67	91	728552	48.406	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	929997	49.202	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	85527	53.570	ug/l	100
82) 4-Chlorotoluene	12.77	91	718462	51.961	ug/l	100
83) tert-Butylbenzene	12.99	119	795627	47.775	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	914706	51.104	ug/l	100
85) sec-Butylbenzene	13.17	105	1061586	50.409	ug/l	100
86) p-Isopropyltoluene	13.28	119	961804	51.685	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	465225	53.160	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	441359	52.668	ug/l	100
89) n-Butylbenzene	13.61	91	770065	53.577	ug/l	100
90) Hexachloroethane	13.87	117	154559	46.915	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	458957	51.775	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47016	52.237	ug/l	100

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VSTDICCC050

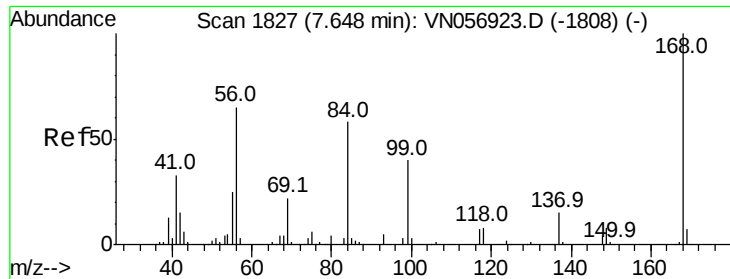
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217314	59.341	ug/l	100
94) Hexachlorobutadiene	15.00	225	168554	47.104	ug/l	100
95) Naphthalene	15.12	128	561133	60.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	234230	58.879	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 438966

Ion Ratio Lower Upper

168 100

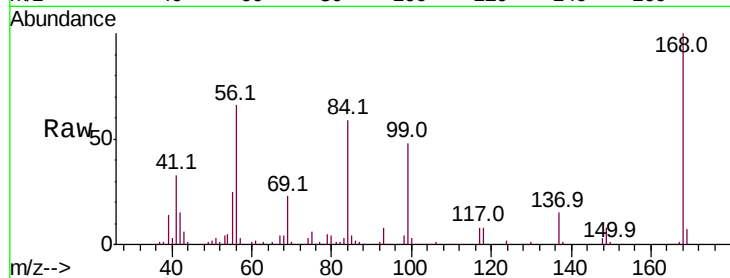
99 48.3 38.6 58.0

Manual Integrations

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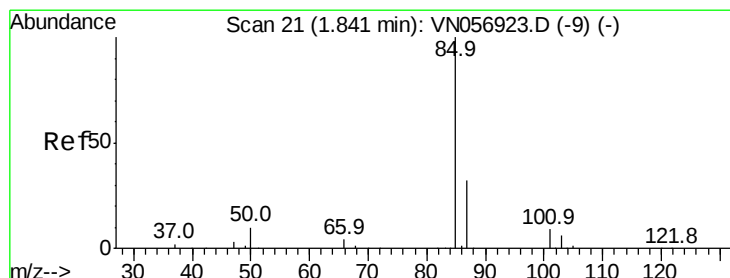
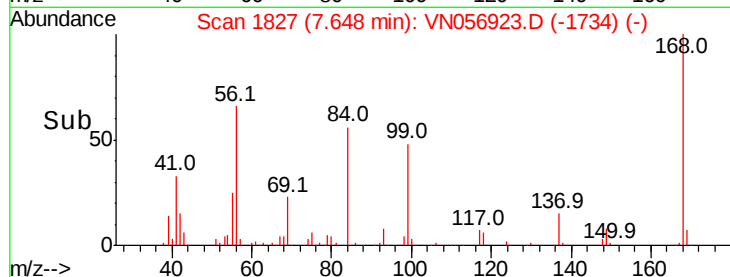
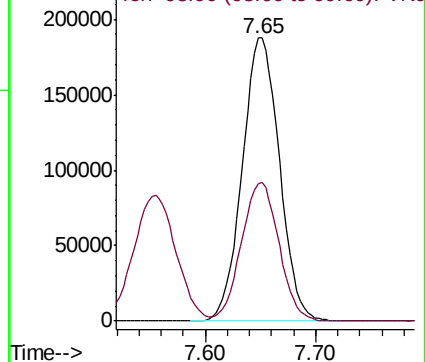
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 57.633 ug/l

RT: 1.84 min Scan# 21

Delta R.T. 0.00 min

Lab File: VN056923.D

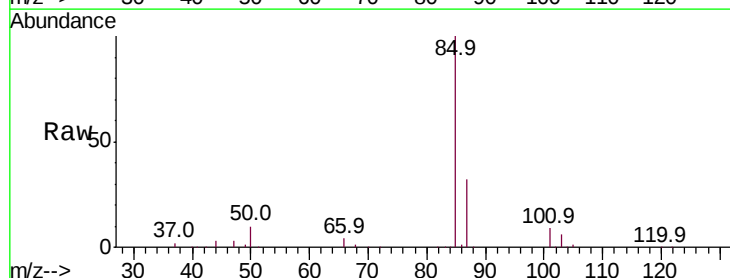
Acq: 25 Jul 2019 15:25

Tgt Ion: 85 Resp: 272711

Ion Ratio Lower Upper

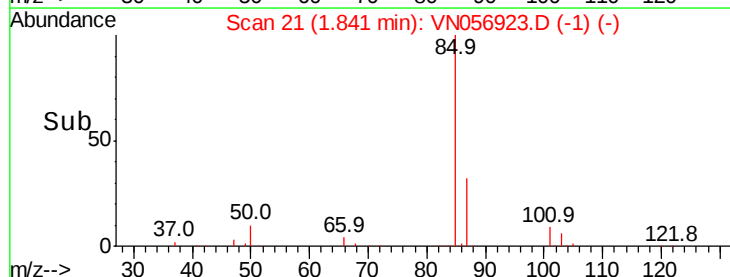
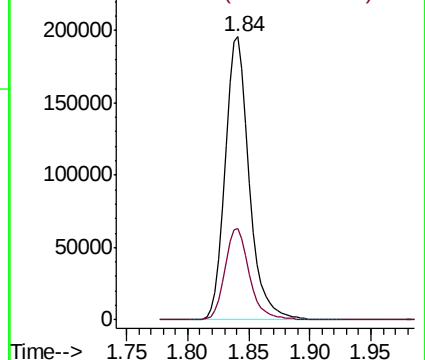
85 100

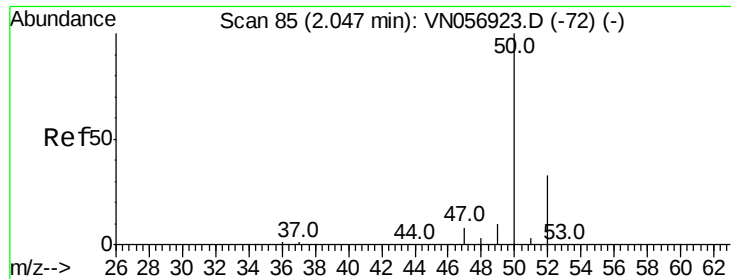
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





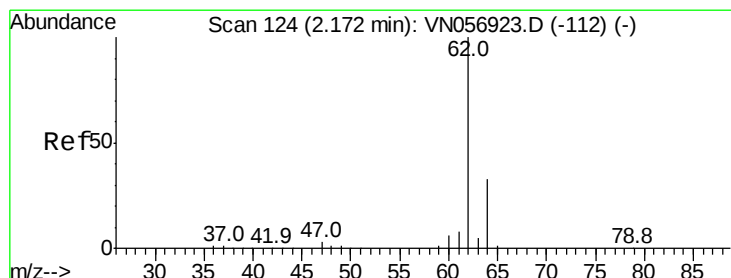
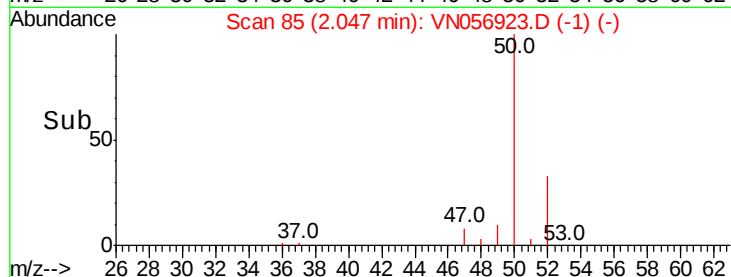
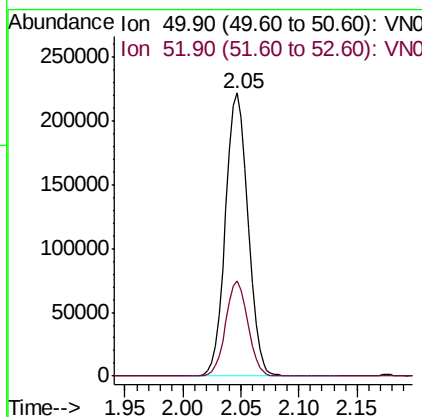
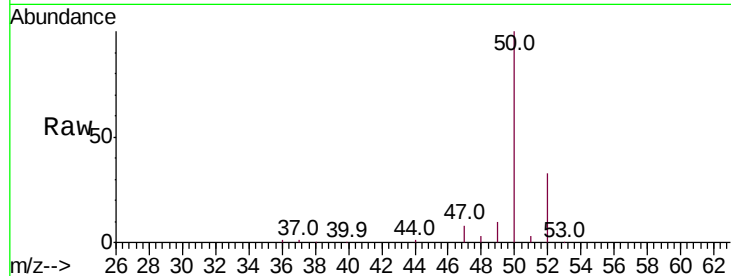
#3
Chloromethane
Concen: 53.016 ug/l
RT: 2.05 min Scan# 85
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2

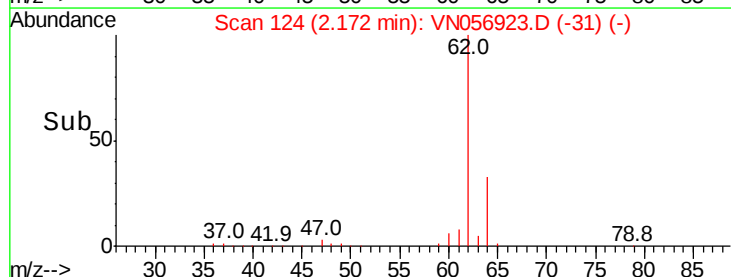
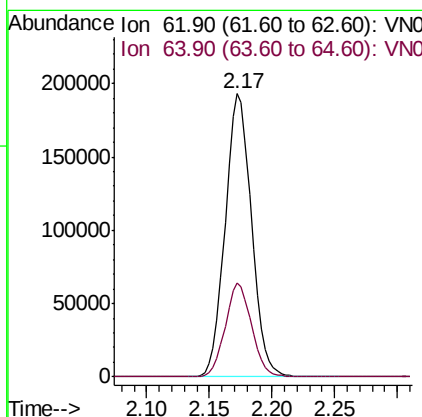
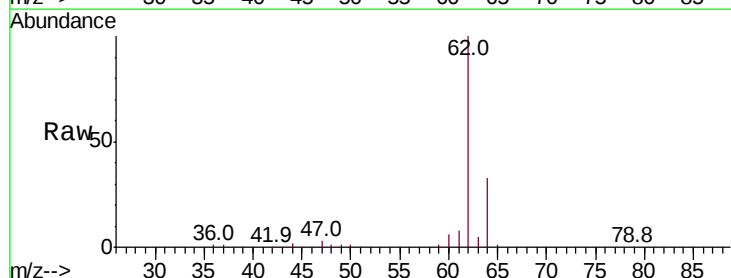
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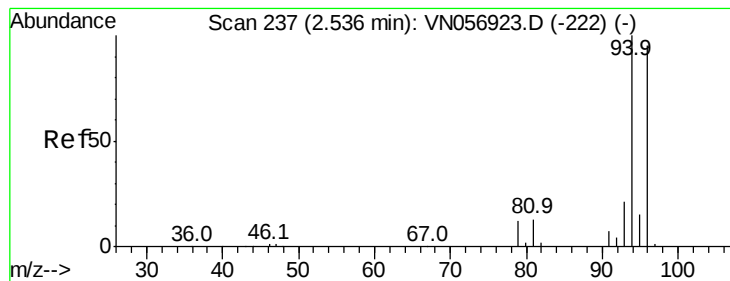
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#4
Vinyl Chloride
Concen: 52.713 ug/l
RT: 2.17 min Scan# 124
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.0	26.4	39.6





#5

Bromomethane

Concen: 51.211 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 165015

Ion Ratio Lower Upper

94 100

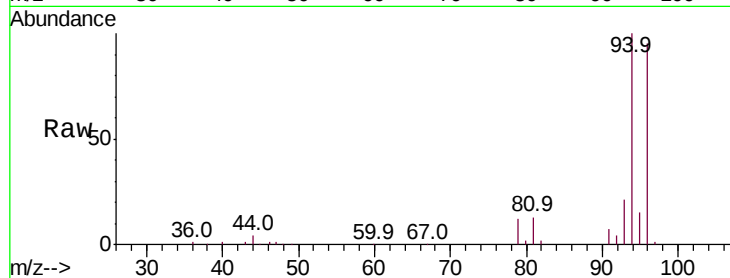
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Manual Integrations

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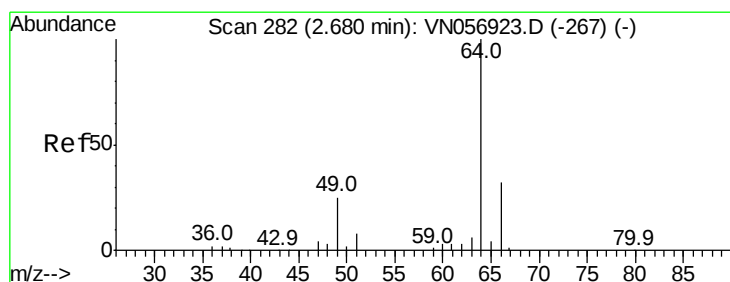
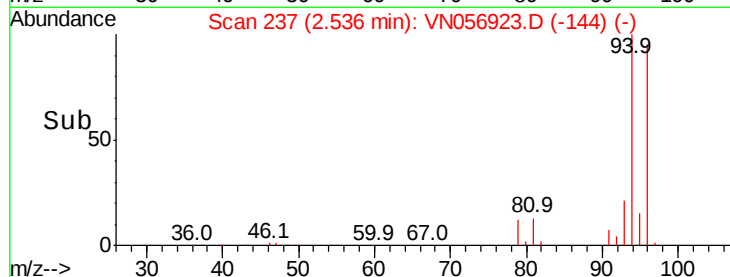
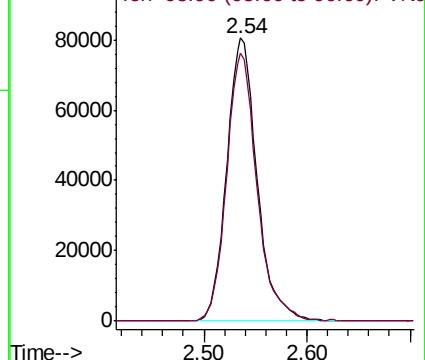
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.269 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN056923.D

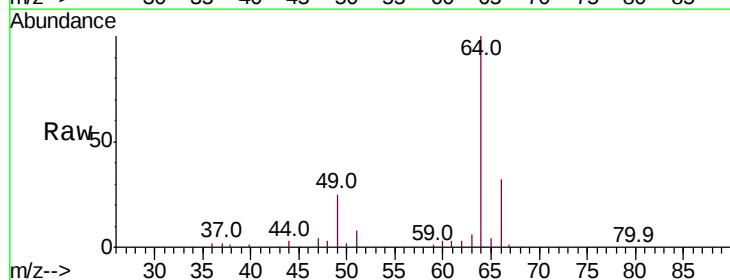
Acq: 25 Jul 2019 15:25

Tgt Ion: 64 Resp: 154563

Ion Ratio Lower Upper

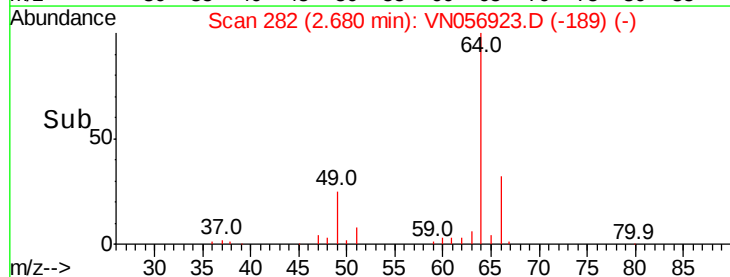
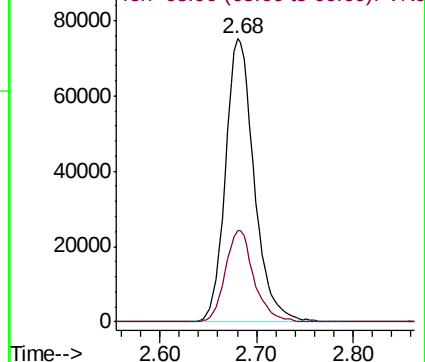
64 100

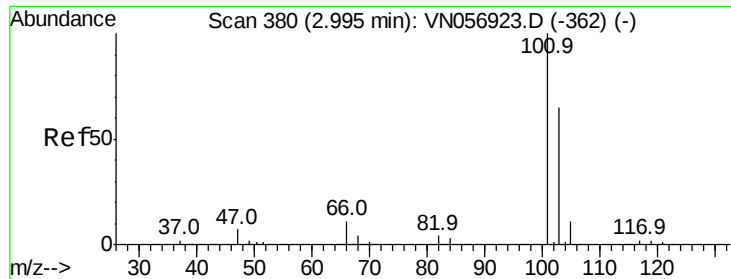
66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

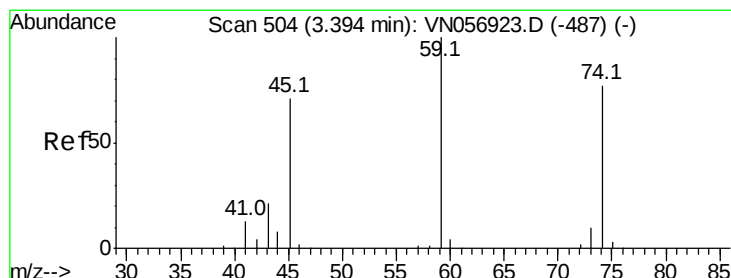
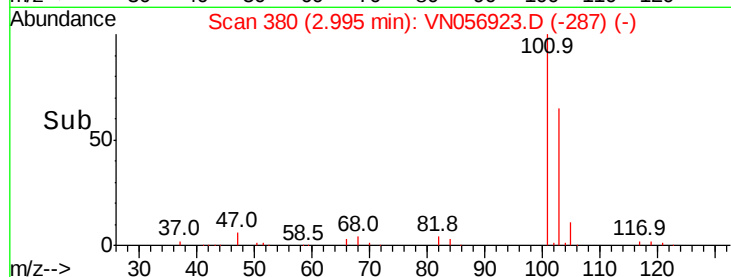
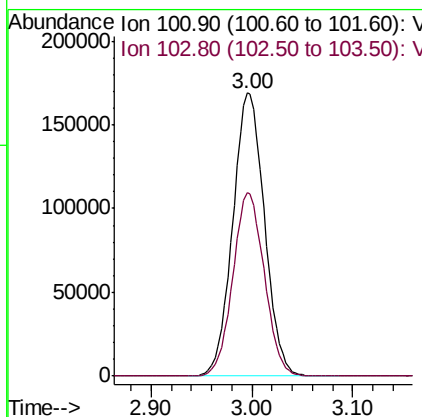
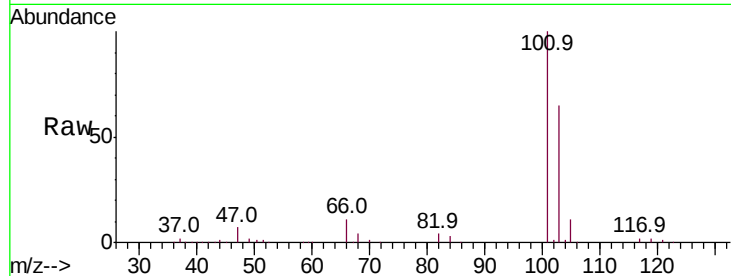
Trichlorofluoromethane
Concen: 53.040 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.0	78.0

Manual Integrations
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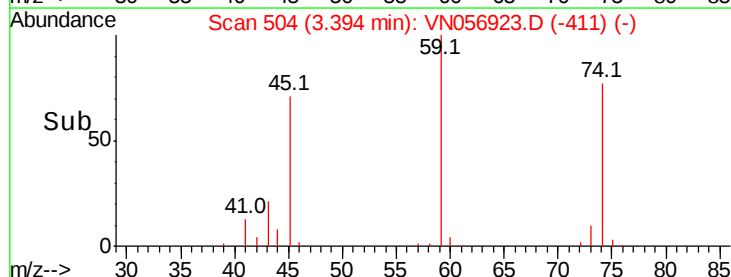
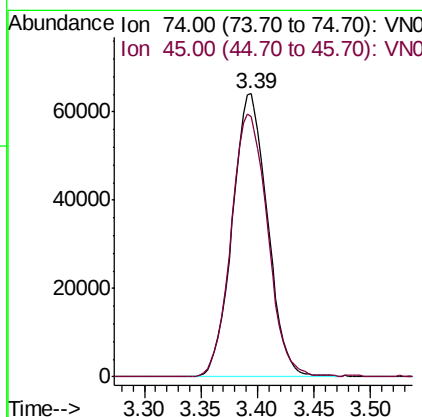
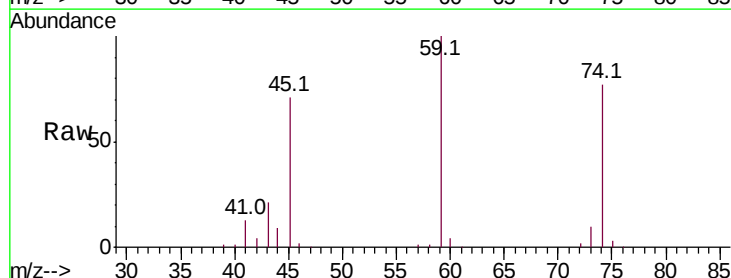
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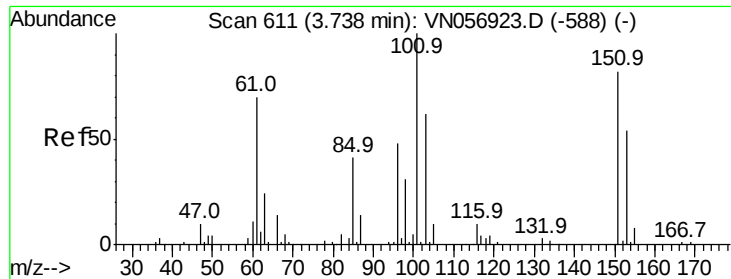


#8

Diethyl Ether
Concen: 53.395 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.1	144.4





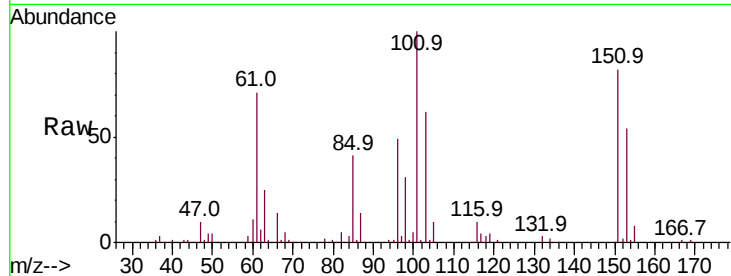
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.944 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	221606		
85	40.9	32.7	49.1	
151	84.2	67.4	101.0	

Manual Integrations
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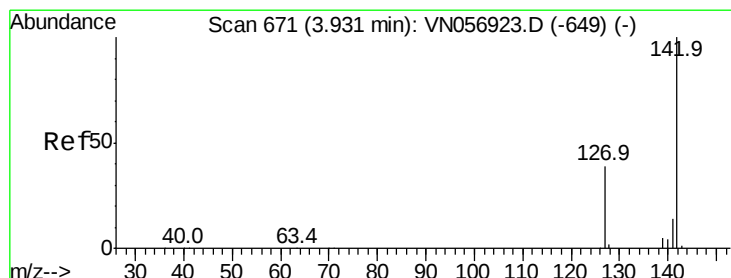
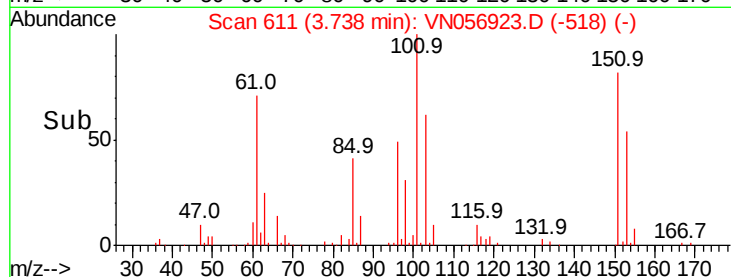
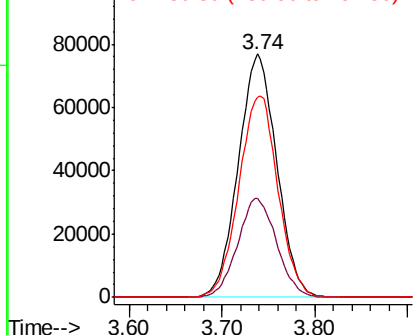


Abundance

Ion 100.90 (100.60 to 101.60): V

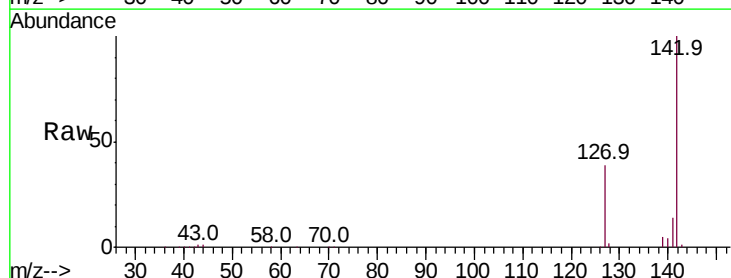
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 54.087 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	339058		
127	38.1	30.5	45.7	
141	13.9	11.1	16.7	

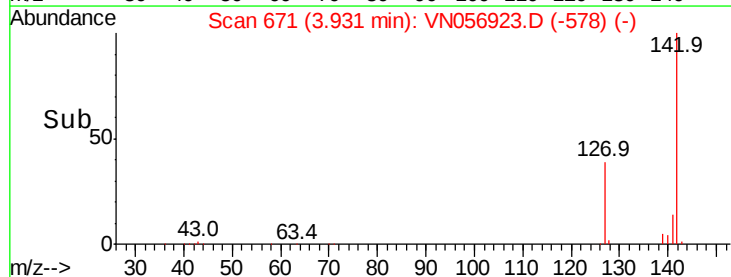
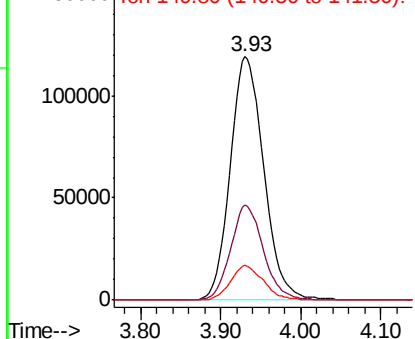


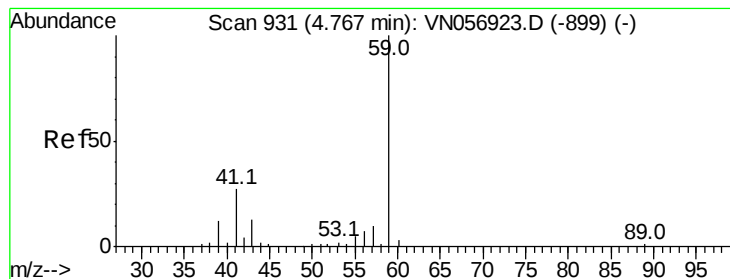
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

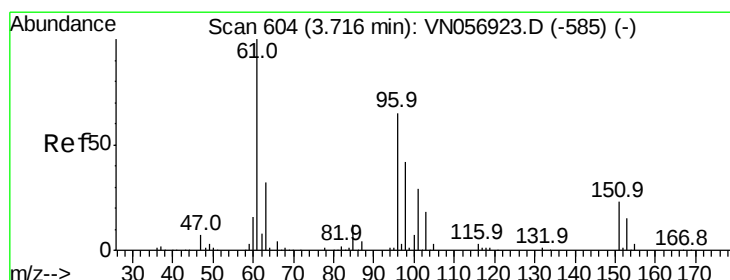
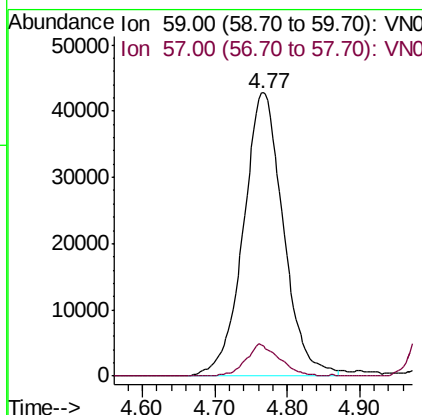
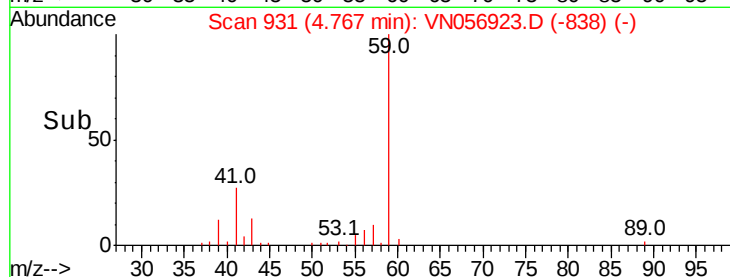
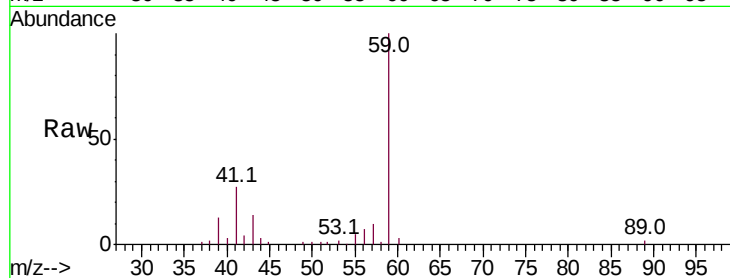
Tert butyl alcohol
 Concen: 250.499 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.6	11.4

Manual Integrations
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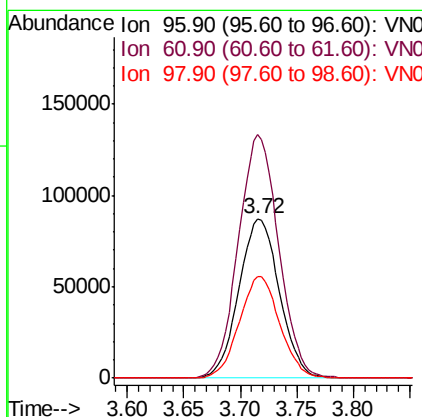
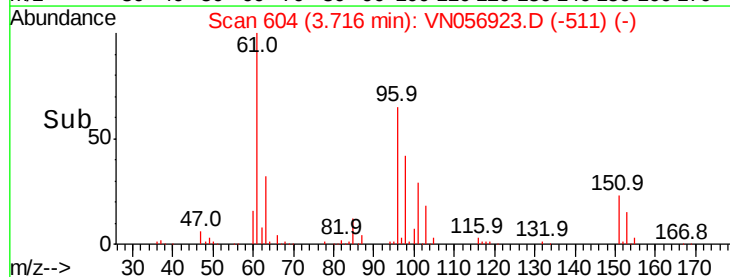
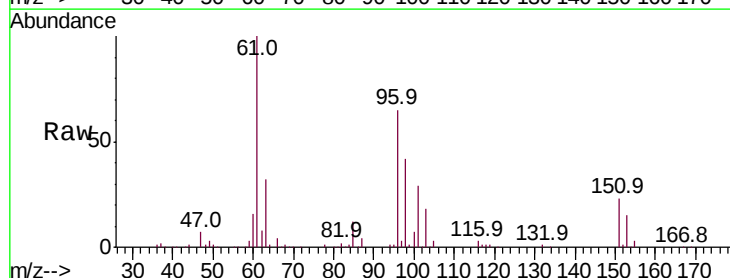
MMDadoda
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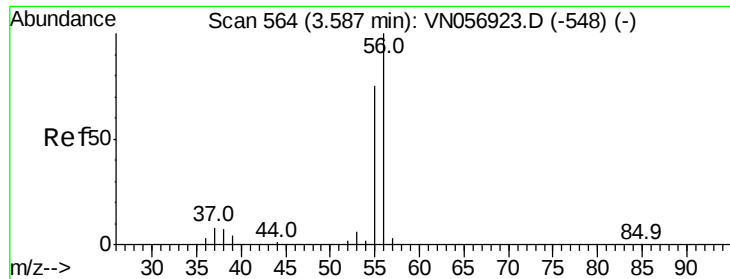


#12

1,1-Dichloroethene
 Concen: 52.867 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	122.4	183.6
98	64.1	51.3	76.9





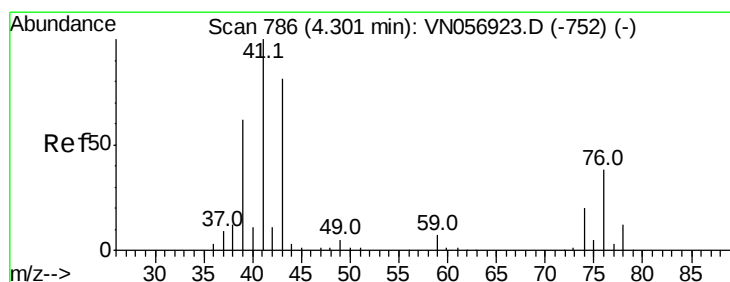
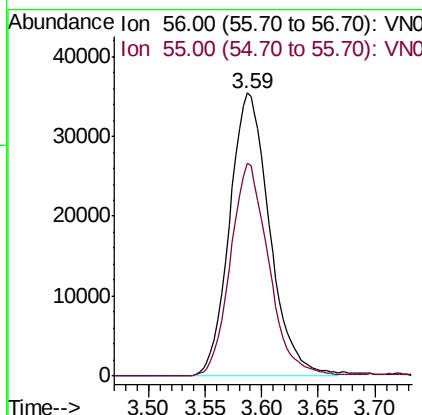
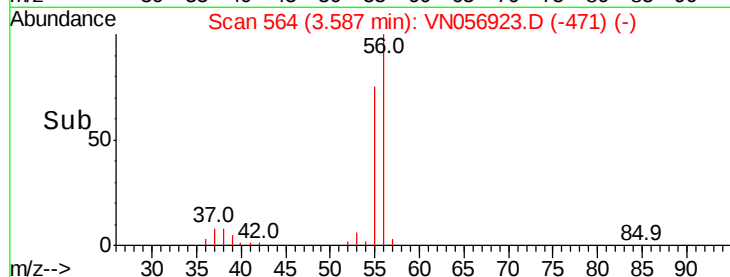
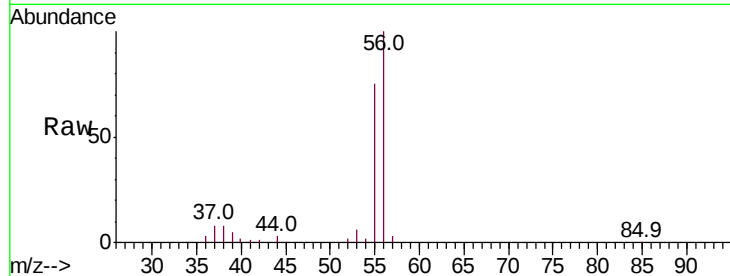
#13
Acrolein
Concen: 237.820 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	87332
Ion Ratio	100	Lower	Upper
56	100		
55	71.9	57.5	86.3

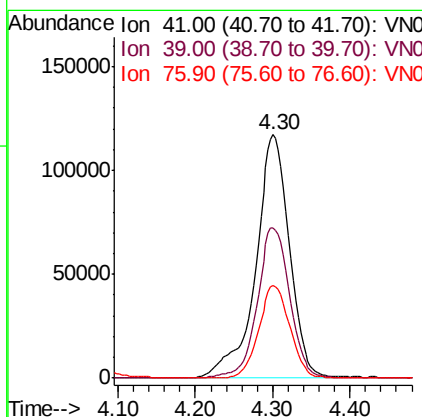
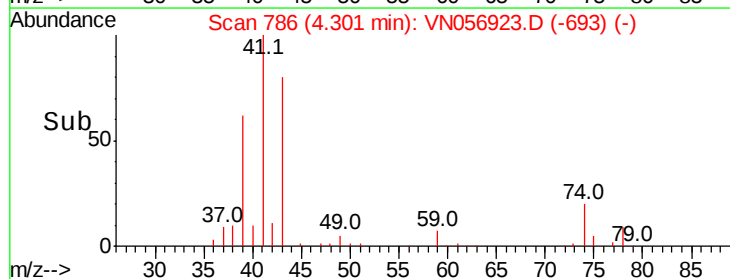
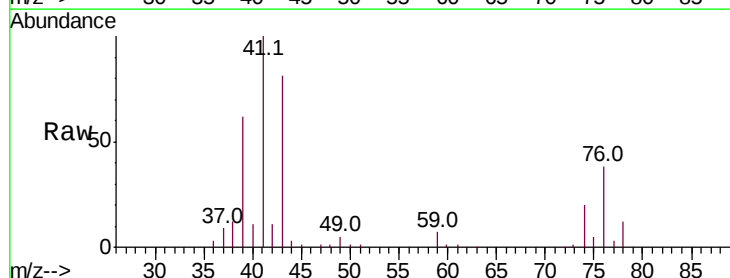
Manual Integrations
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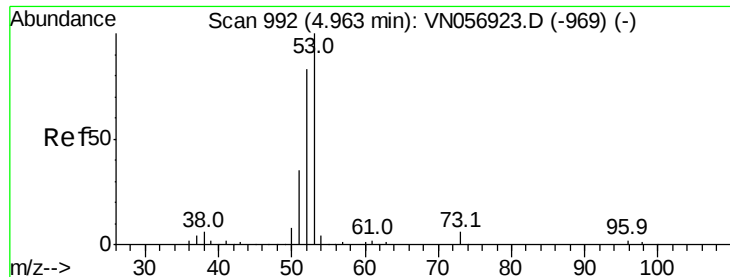
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#14
Allyl chloride
Concen: 53.370 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	41	Resp	356721
Ion Ratio	100	Lower	Upper
41	100		
39	59.4	47.5	71.3
76	35.0	28.0	42.0





#15

Acrylonitrile

Concen: 273.142 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

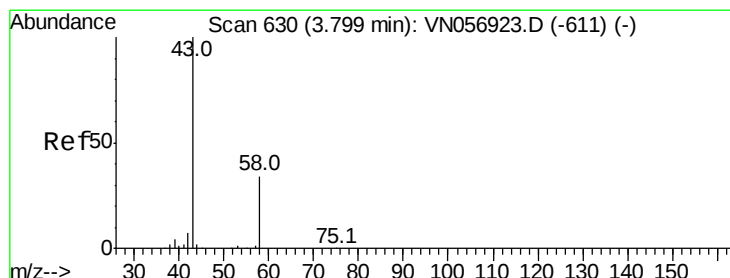
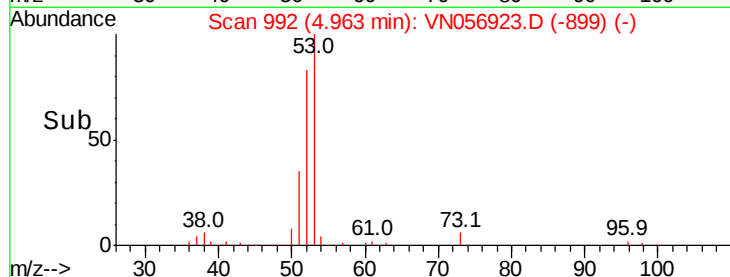
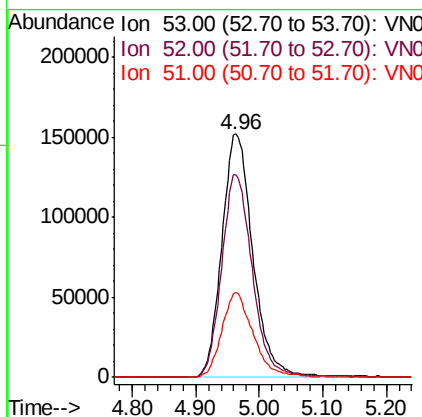
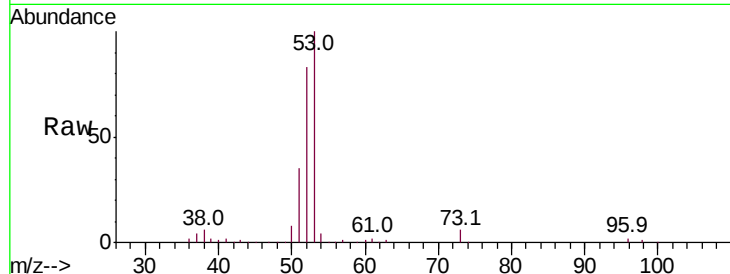
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	515071
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 278.799 ug/l

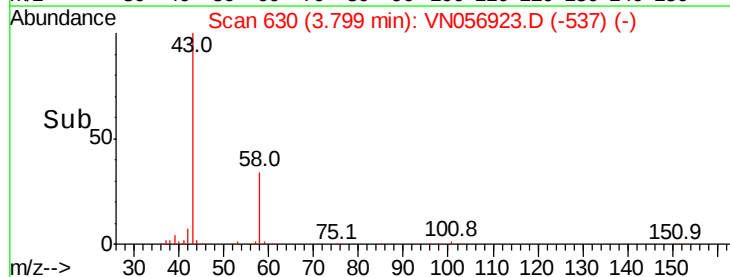
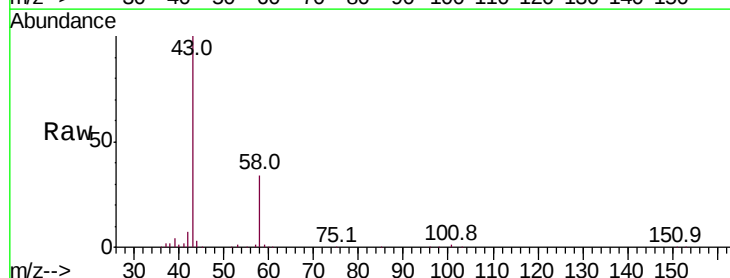
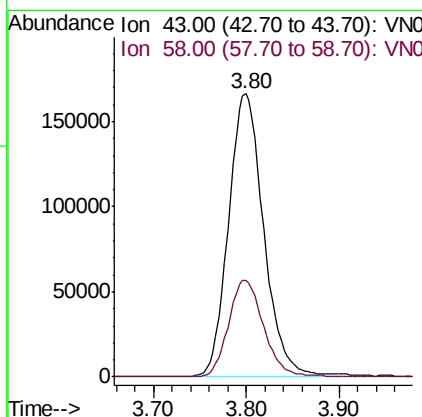
RT: 3.80 min Scan# 630

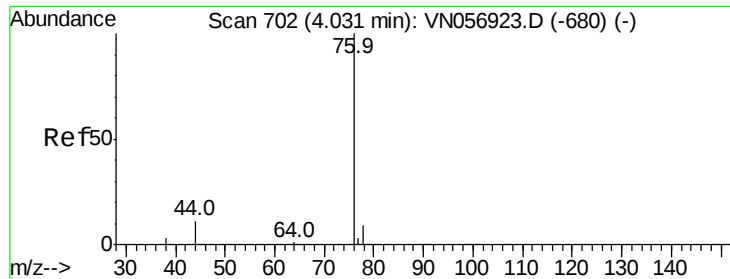
Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Tgt Ion:	43	Resp:	432462
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.3	40.9





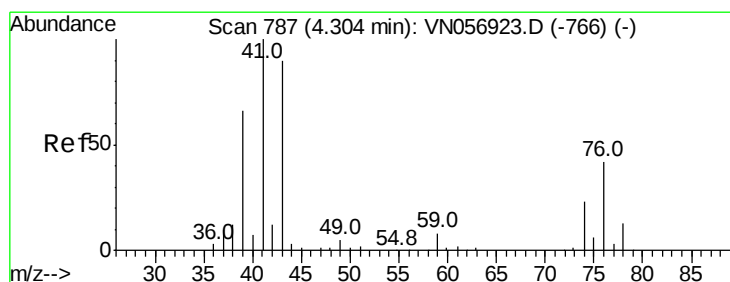
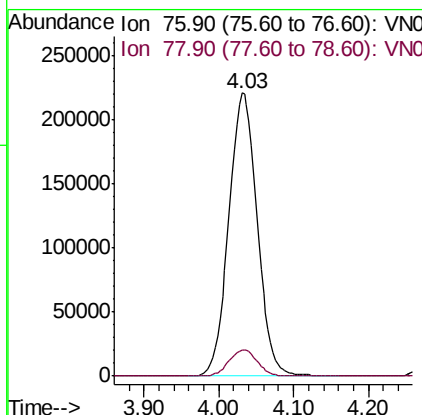
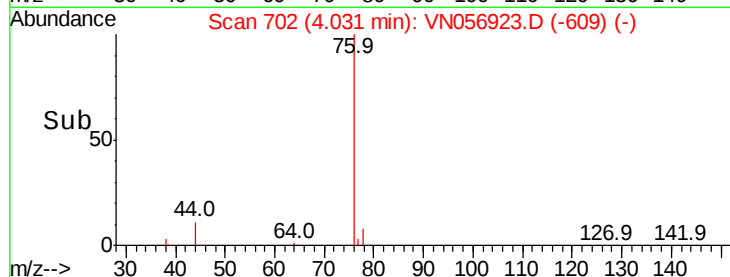
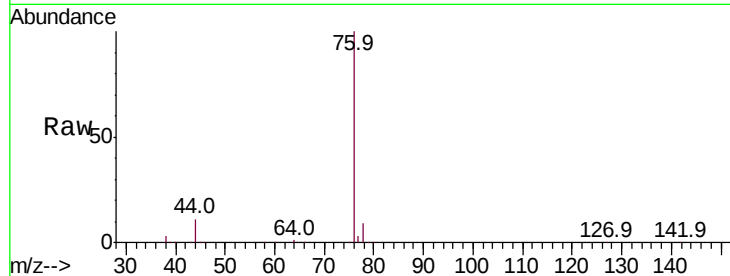
#17
Carbon Disulfide
Concen: 52.618 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

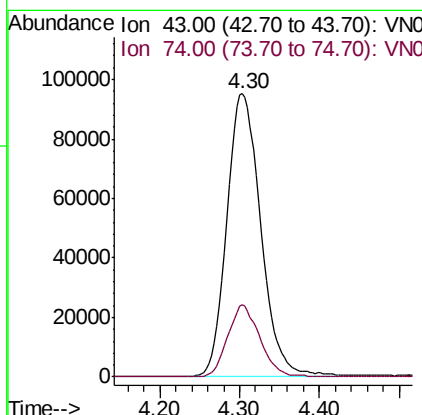
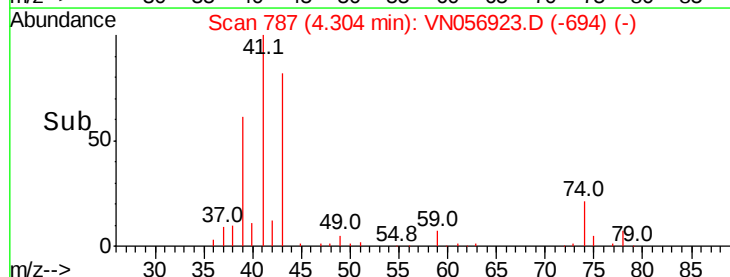
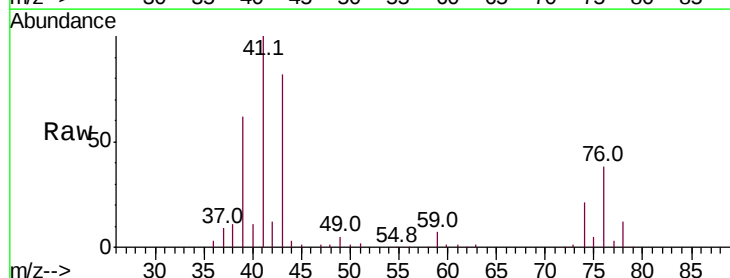
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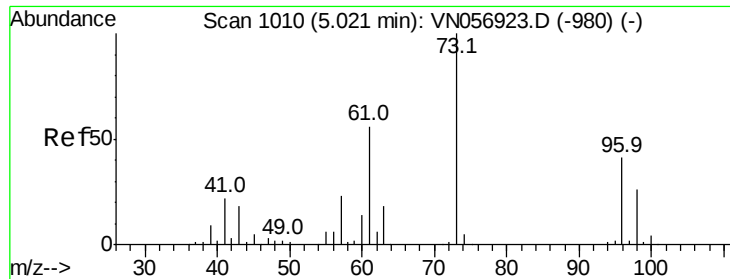
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#18
Methyl Acetate
Concen: 50.385 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.0





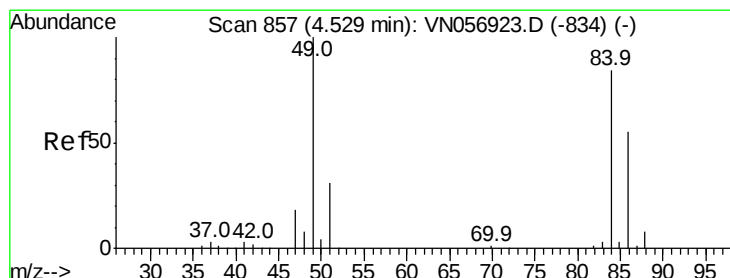
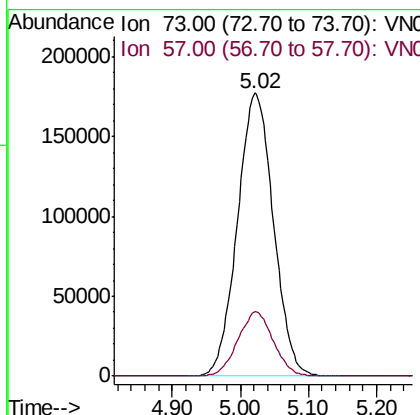
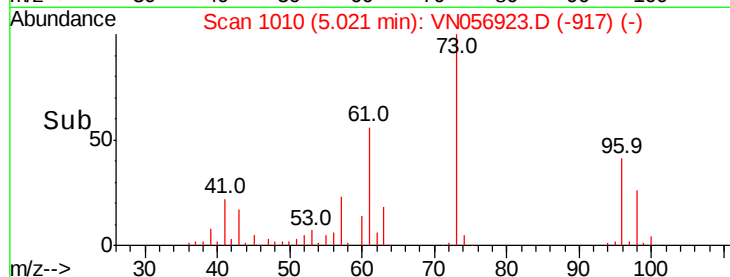
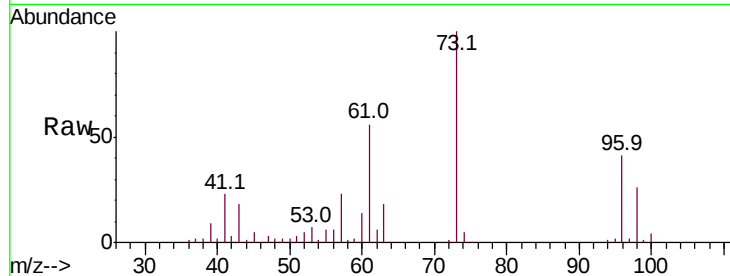
#19
Methvl tert-butvl Ether
Concen: 53.564 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 648817
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

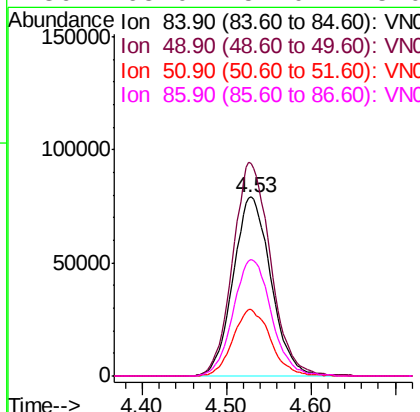
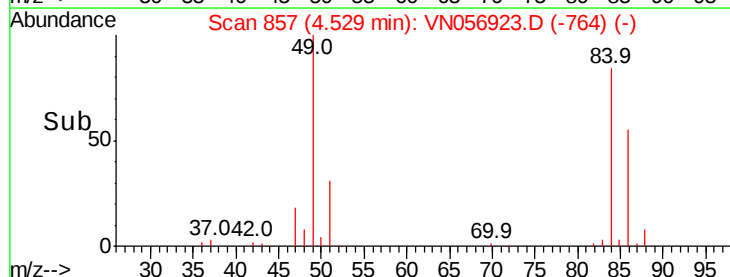
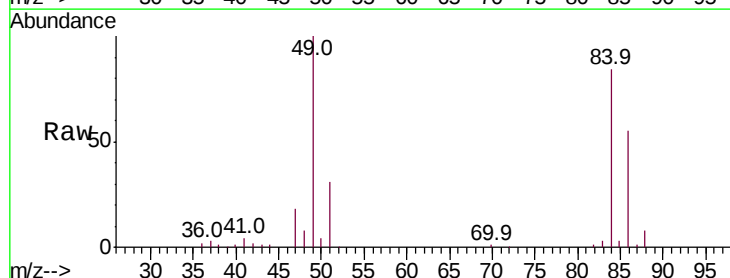
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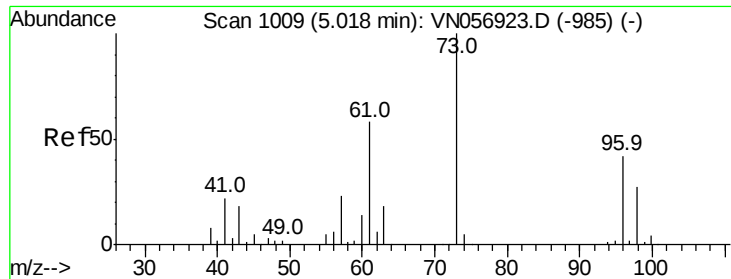
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#20
Methylene Chloride
Concen: 50.357 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion: 84 Resp: 247359
Ion Ratio Lower Upper
84 100
49 118.8 95.0 142.6
51 37.3 29.8 44.8
86 65.0 52.0 78.0





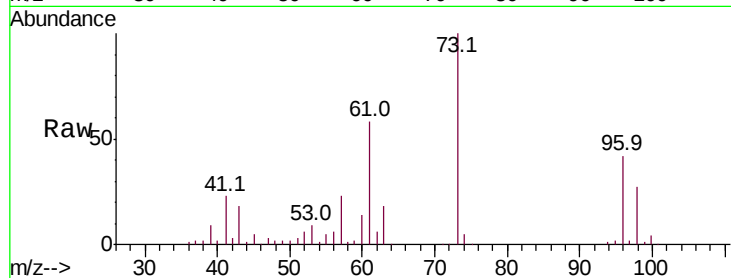
#21
trans-1,2-Dichloroethene
Concen: 52.371 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	109.9	164.9
98	63.7	51.0	76.4

Manual Integrations
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7/26/2019 3:36:54 PM

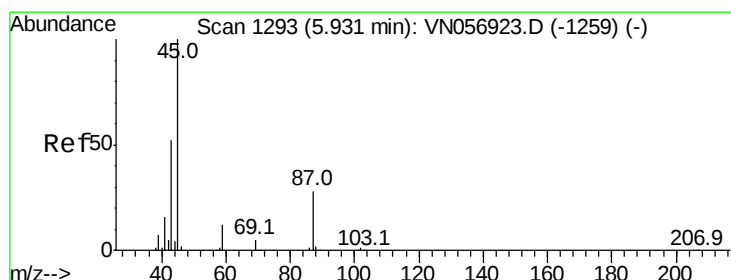
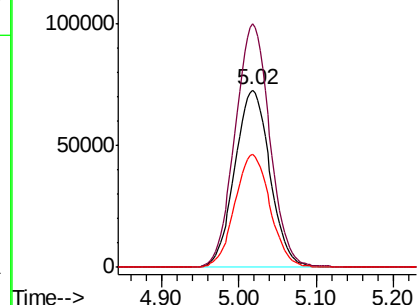
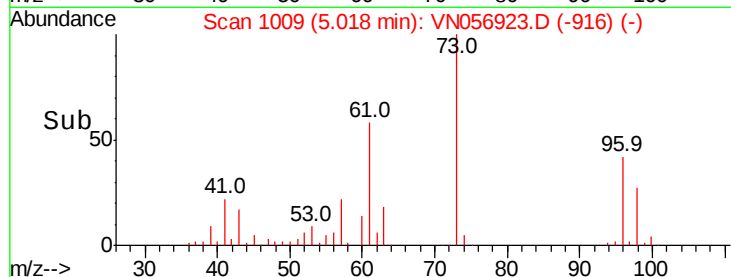


Abundance

Ion 95.90 (95.60 to 96.60): VNC

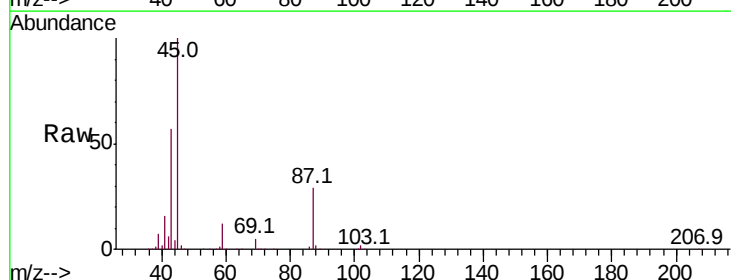
Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 53.857 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.7	67.1
87	28.9	23.1	34.7
59	12.1	9.7	14.5



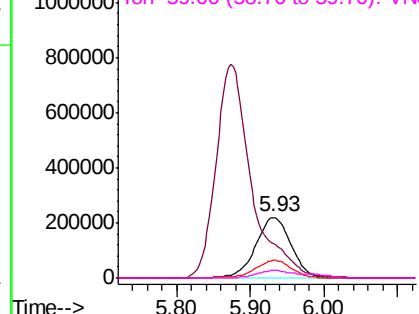
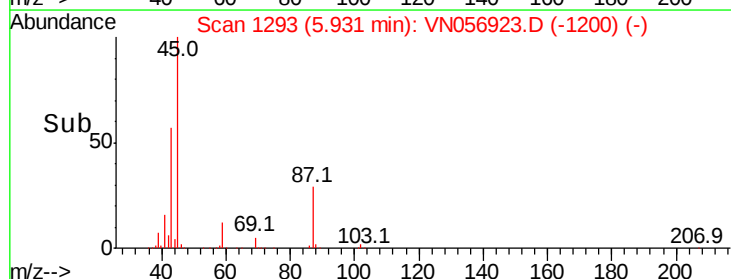
Abundance

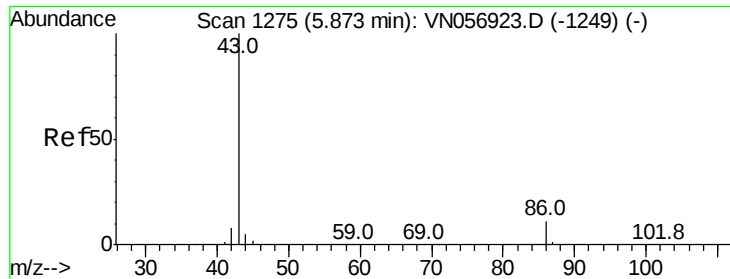
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





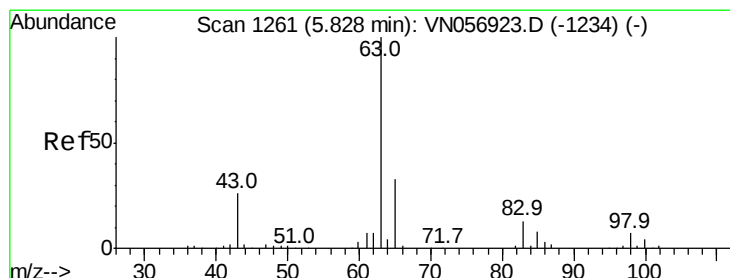
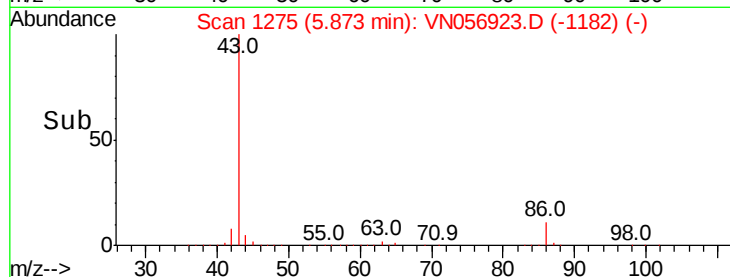
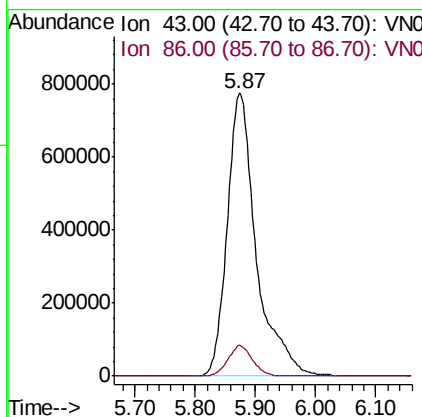
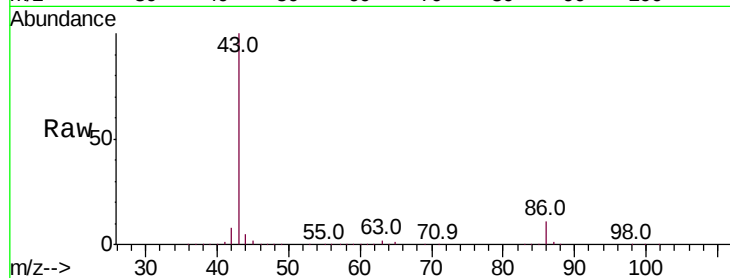
#23
 Vinyl Acetate
 Concen: 277.882 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2605542
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

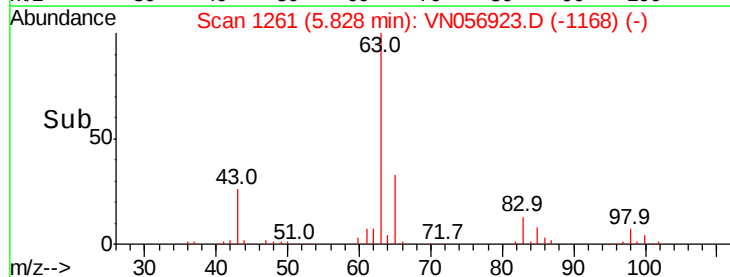
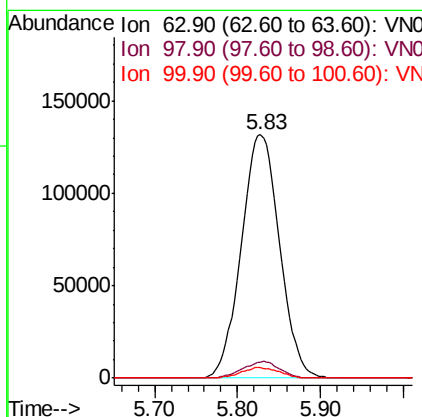
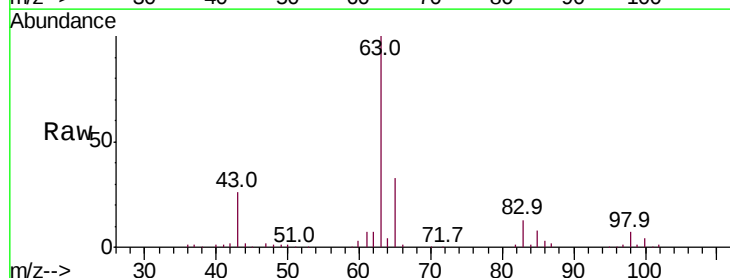
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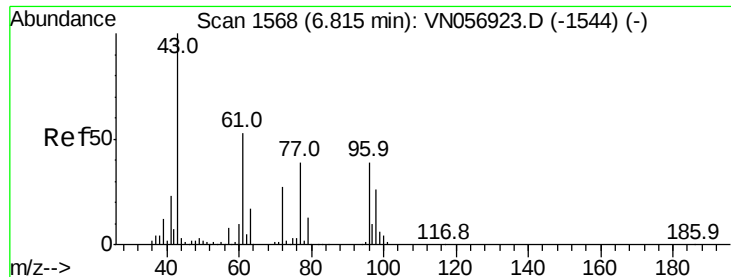
MMDadoda
 7/26/2019 3:36:54 PM



#24
 1,1-Dichloroethane
 Concen: 52.812 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion: 63 Resp: 422343
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 273.132 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 652149

Ion Ratio Lower Upper

43 100

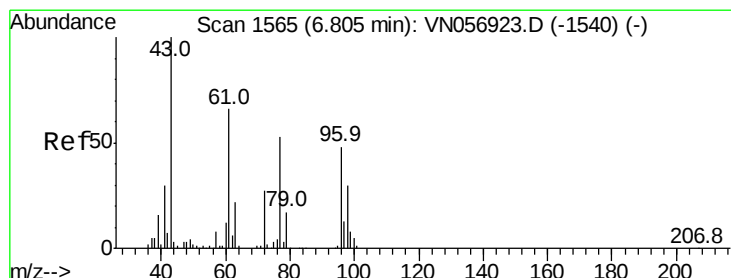
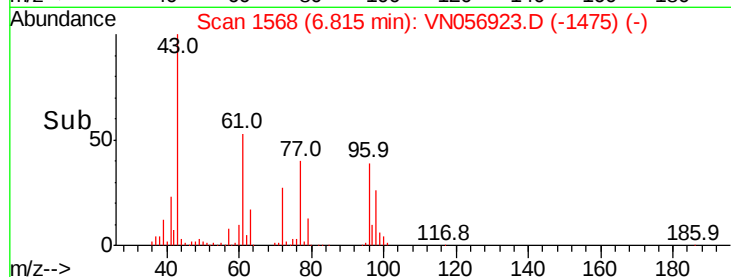
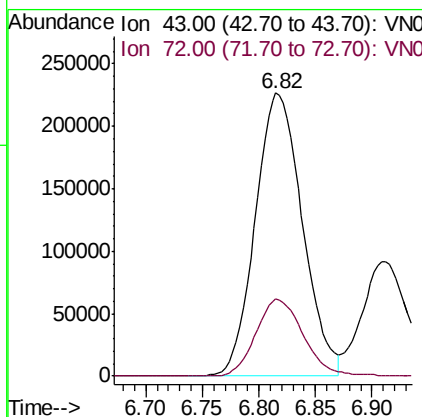
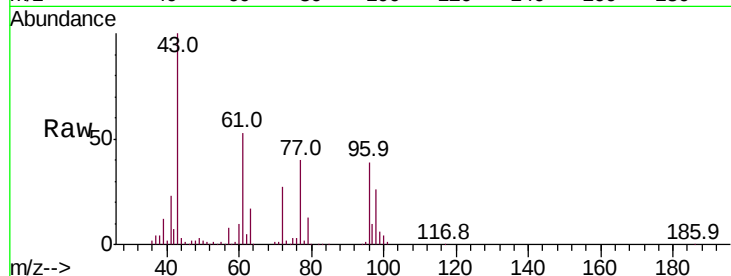
72 27.4 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.117 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN056923.D

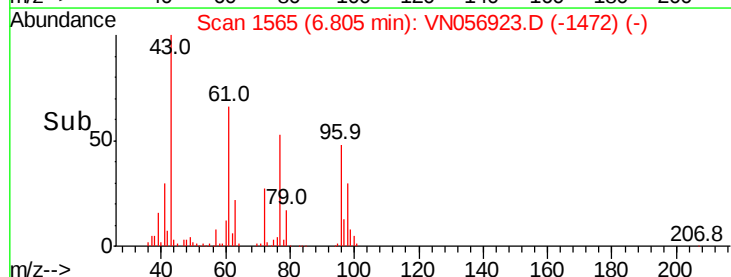
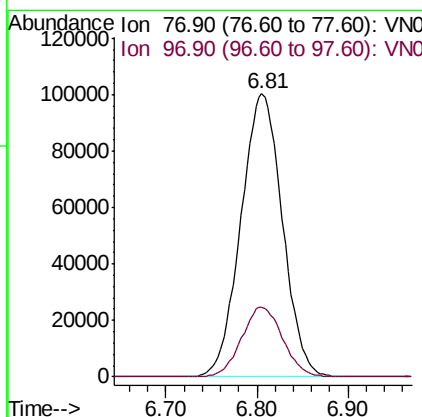
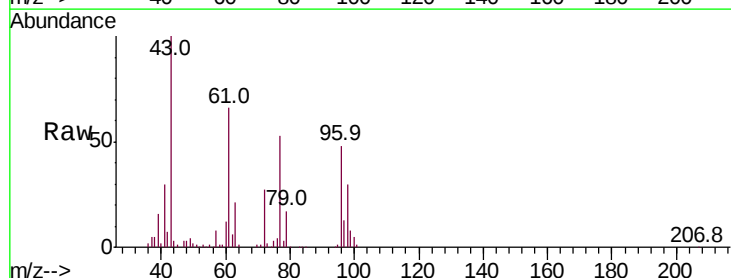
Acq: 25 Jul 2019 15:25

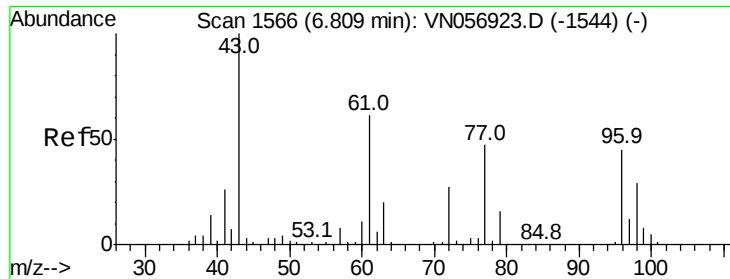
Tgt Ion: 77 Resp: 317611

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 53.310 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

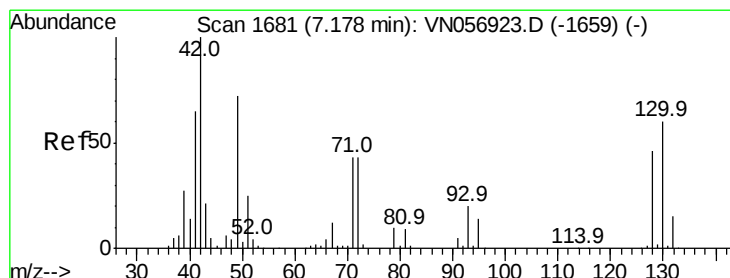
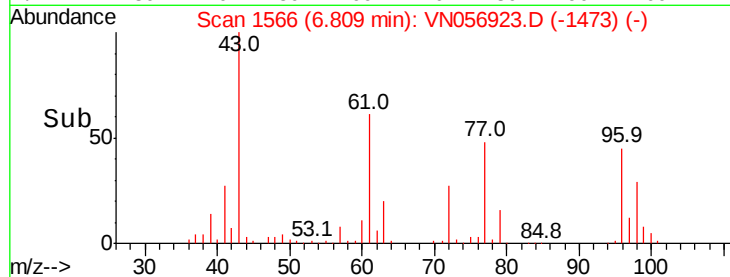
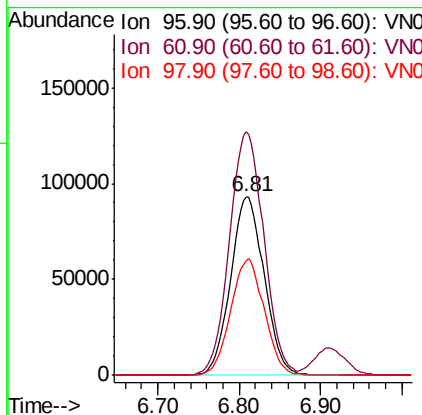
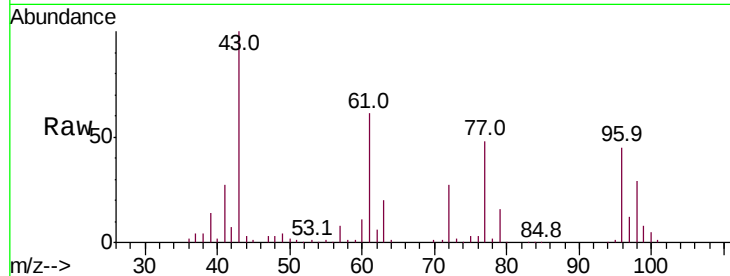
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	268167
Ion Ratio	Lower	Upper	
96	100		
61	139.4	0.0	278.8
98	65.0	0.0	130.0

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#28

Bromochloromethane

Concen: 52.940 ug/l

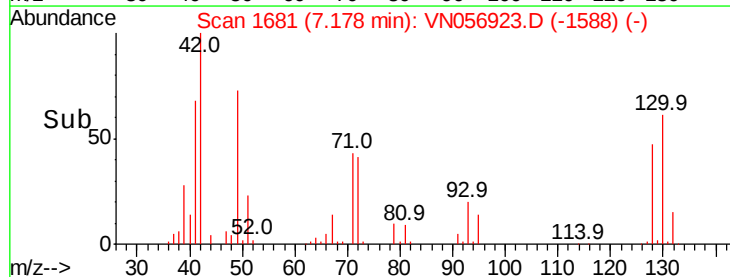
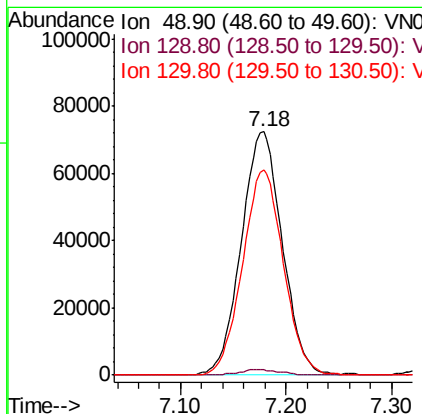
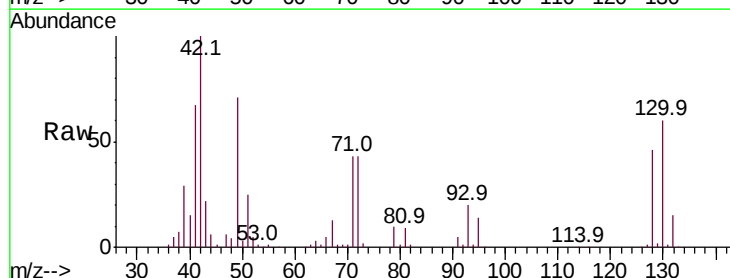
RT: 7.18 min Scan# 1681

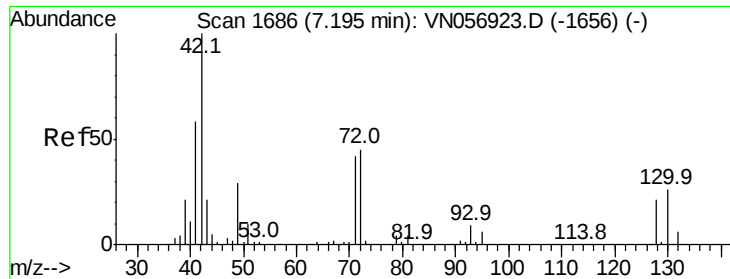
Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Tgt Ion:	49	Resp:	195381
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	84.1	67.3	100.9





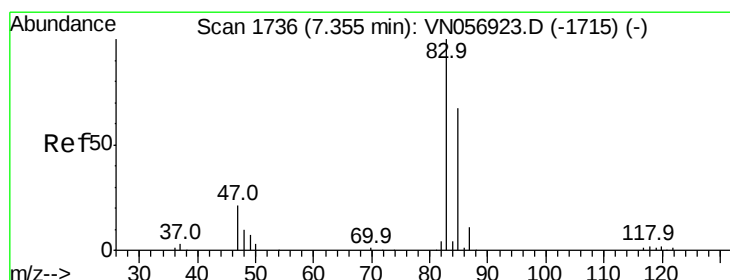
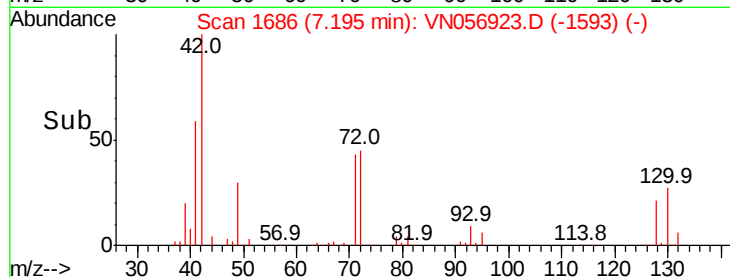
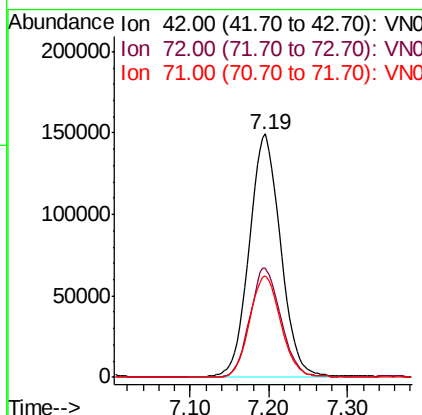
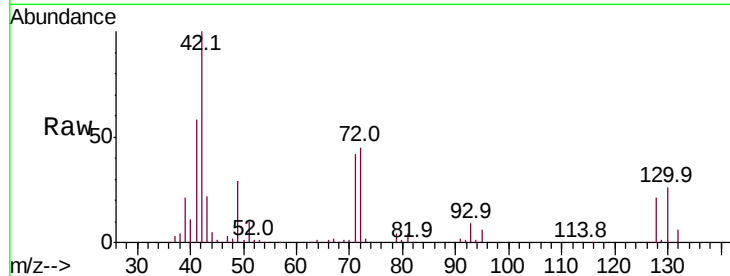
#29
Tetrahydrofuran
Concen: 272.192 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.5	53.3
71	41.3	33.0	49.6

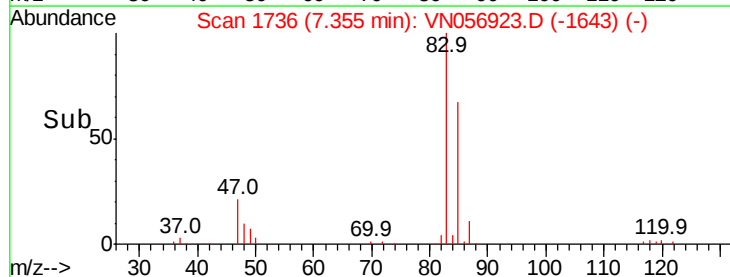
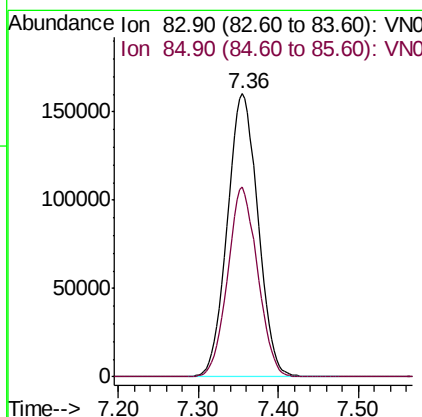
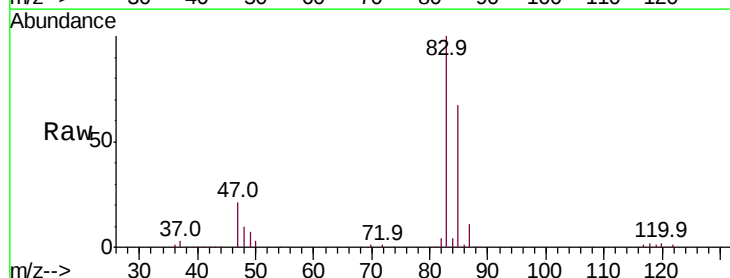
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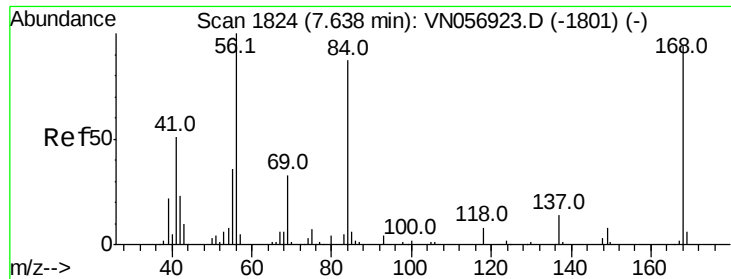
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#30
Chloroform
Concen: 50.716 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.5	80.3





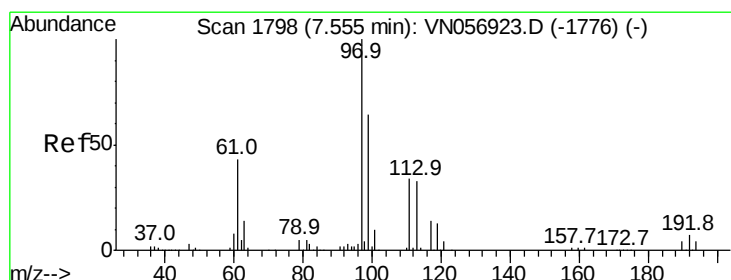
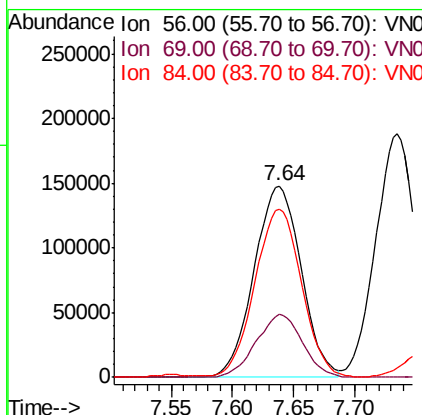
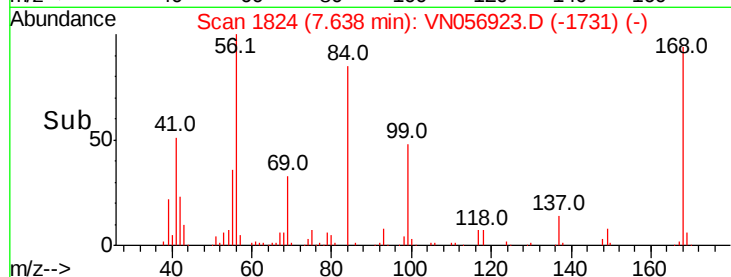
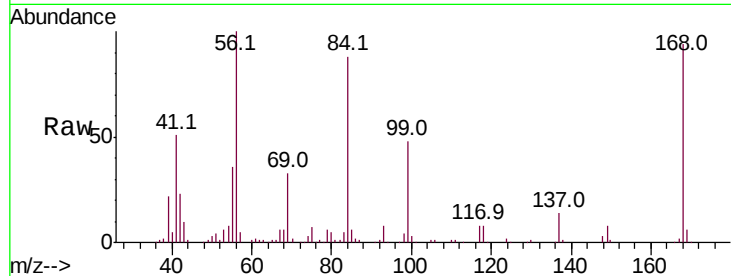
#31
Cyclohexane
Concen: 50.953 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.3	39.5
84	87.0	69.6	104.4

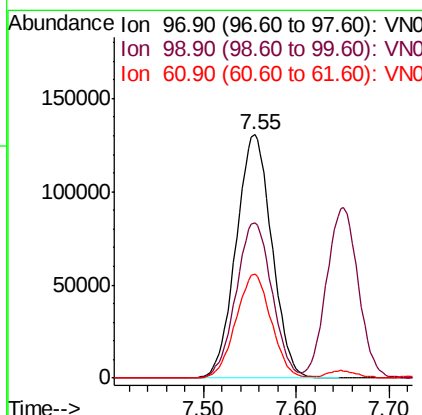
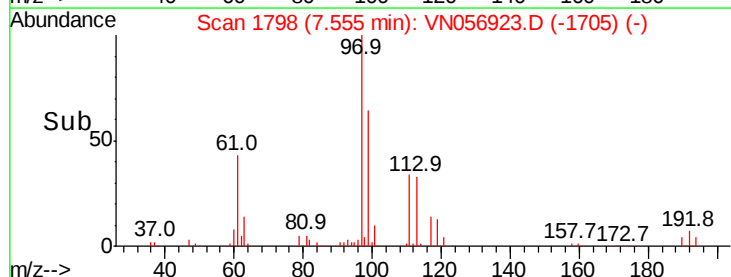
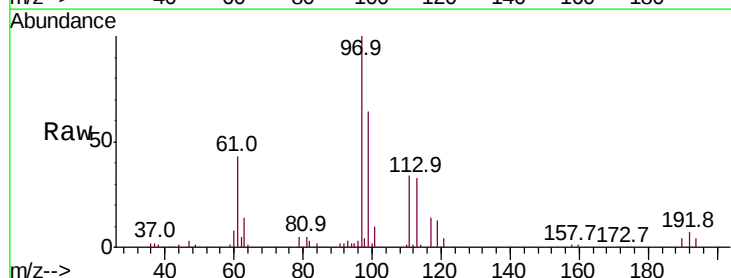
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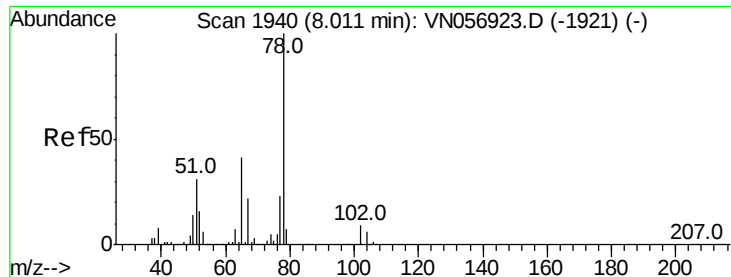
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#32
1,1,1-Trichloroethane
Concen: 52.886 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.2	33.8	50.6





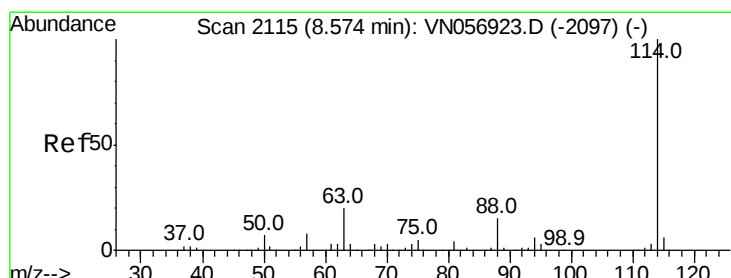
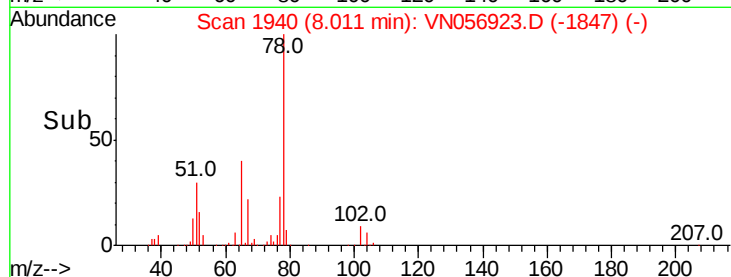
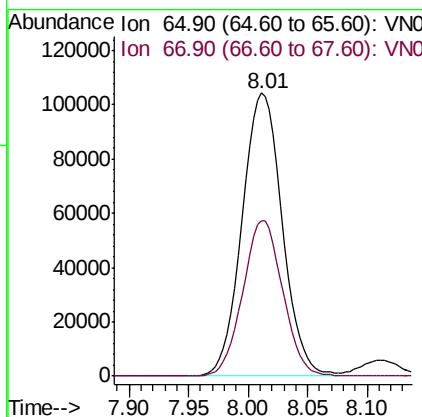
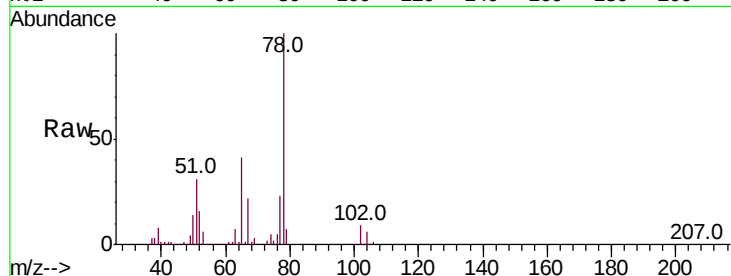
#33
 1,2-Dichloroethane-d4
 Concen: 53.767 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	109.2

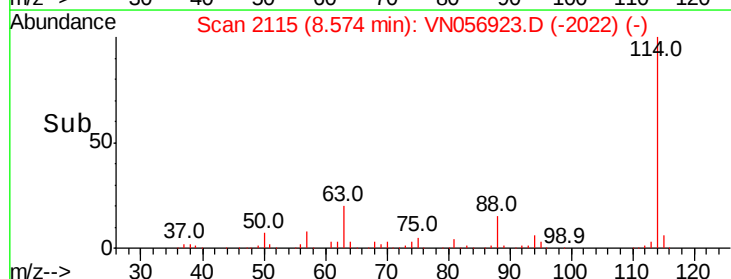
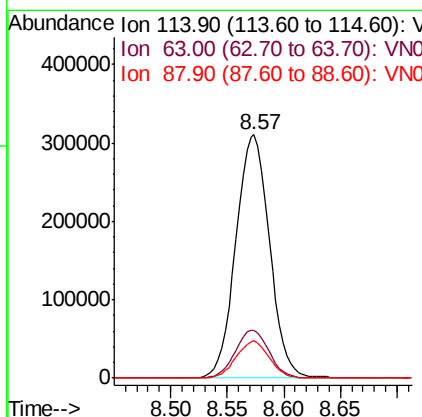
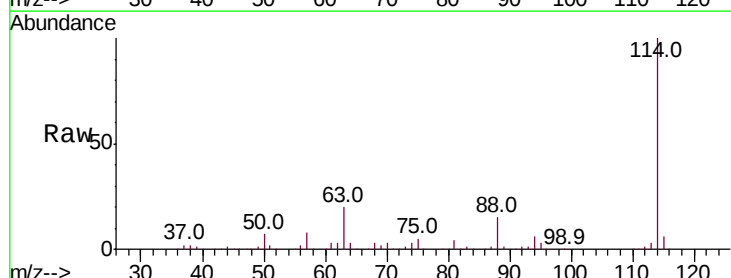
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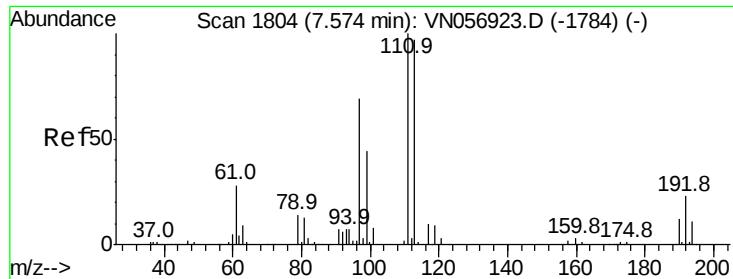
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	15.2	0.0	30.4





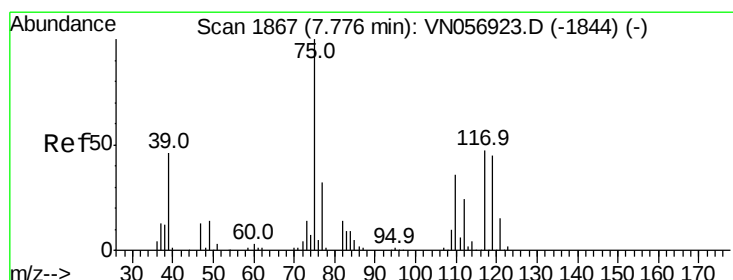
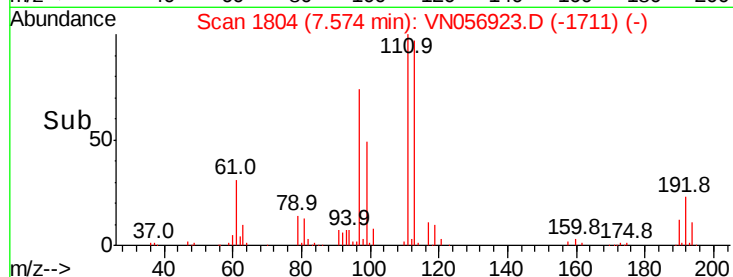
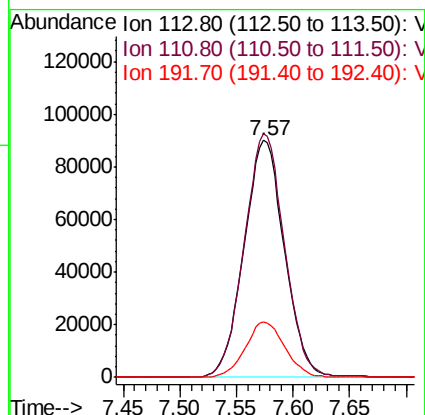
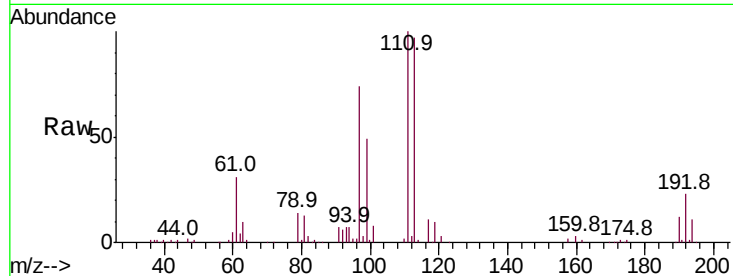
#35
 Dibromofluoromethane
 Concen: 54.387 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	22.9	18.3	27.5

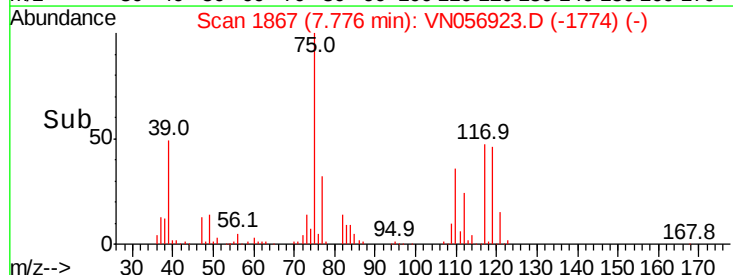
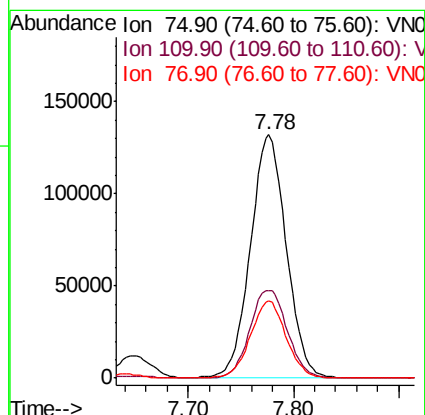
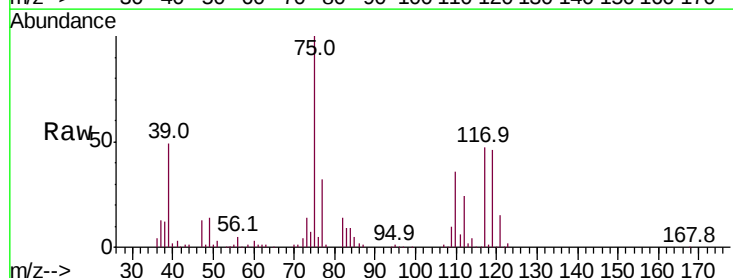
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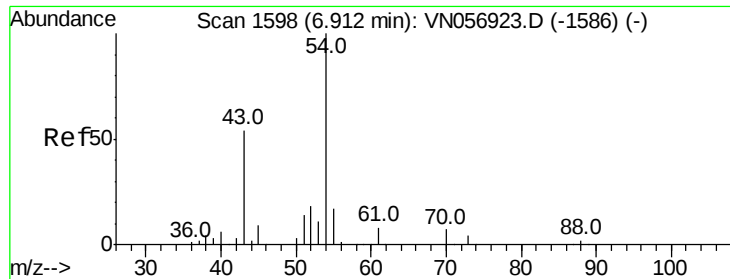
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#36
 1,1-Dichloropropene
 Concen: 52.884 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.9	56.9
77	31.7	25.4	38.0





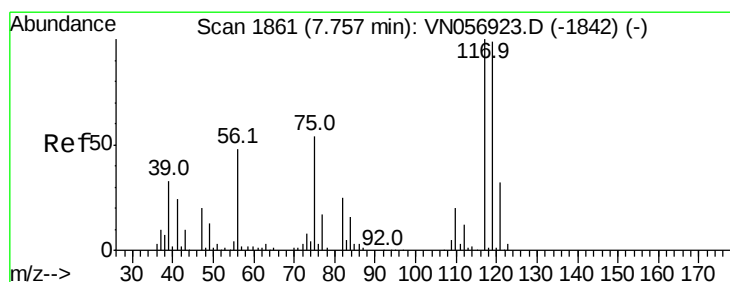
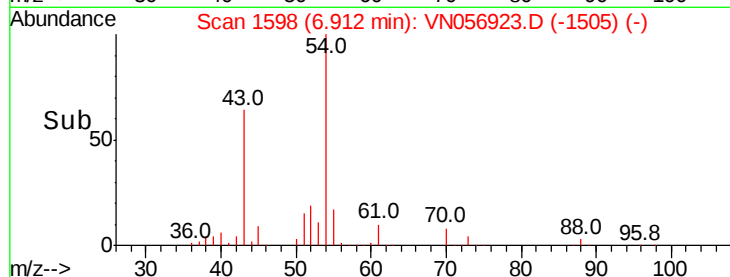
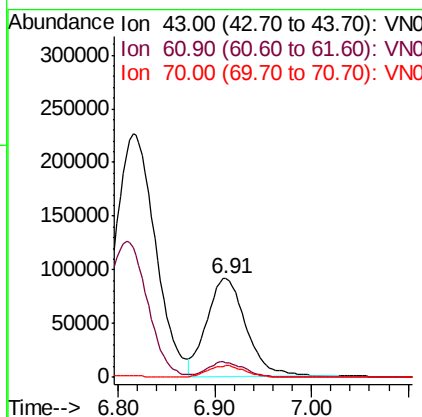
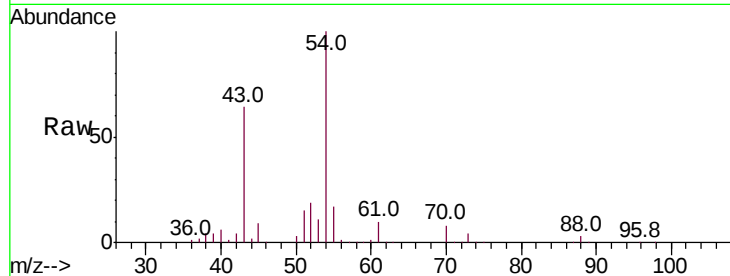
#37
Ethyl Acetate
Concen: 53.962 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	11.0	8.8	13.2

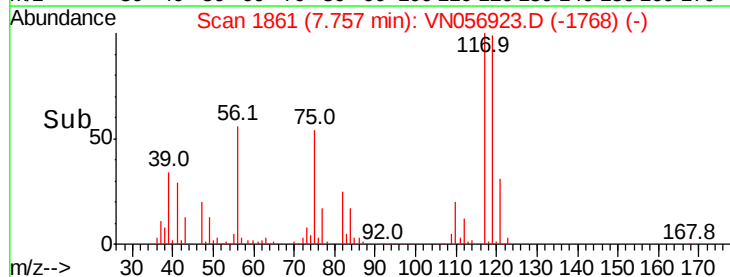
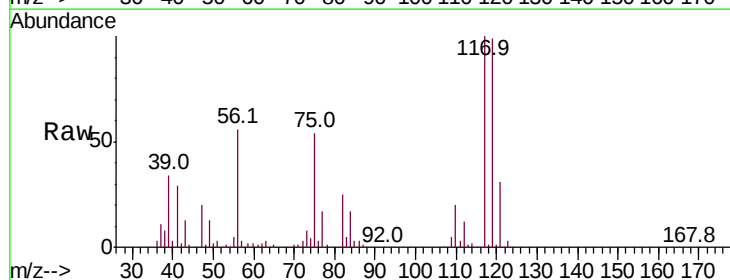
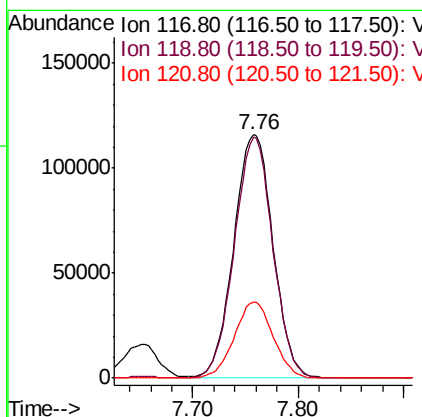
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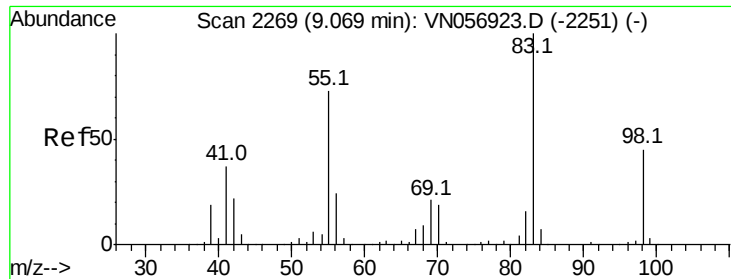
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#38
Carbon Tetrachloride
Concen: 53.598 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	79.0	118.6
121	31.4	25.1	37.7





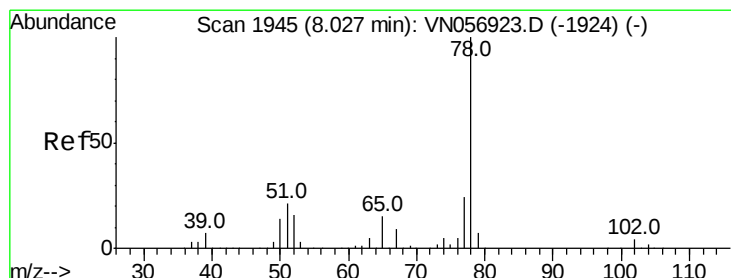
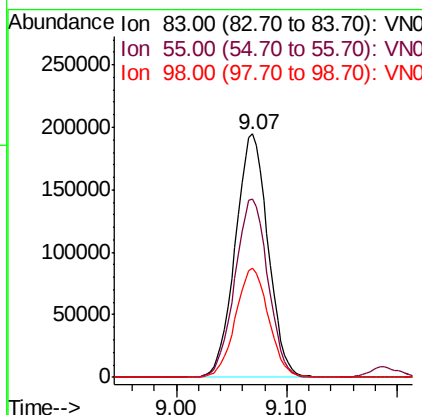
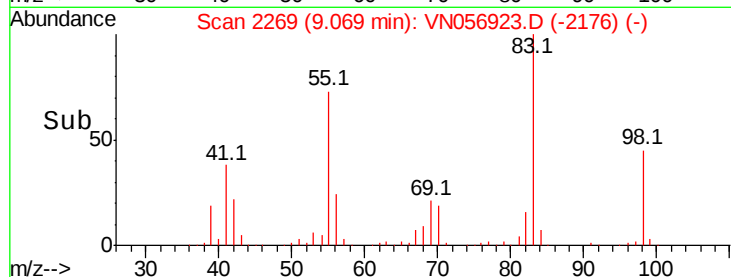
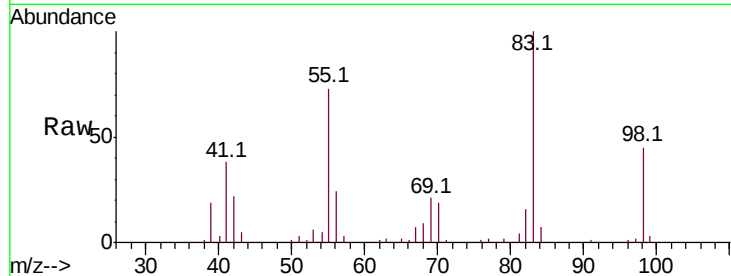
#39
Methvlcvclohexane
Concen: 55.616 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	58.8	88.2
98	44.7	35.8	53.6

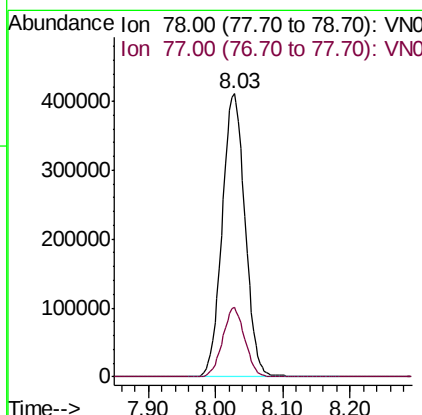
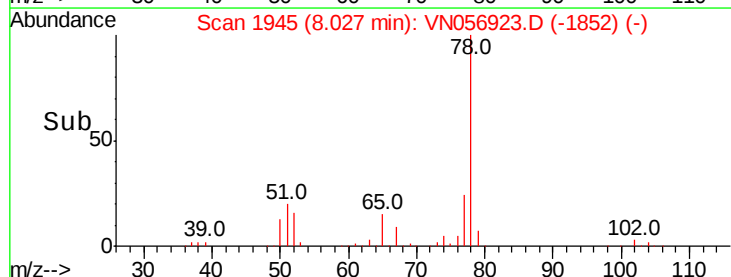
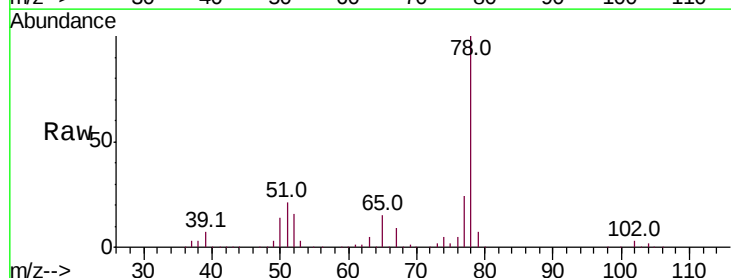
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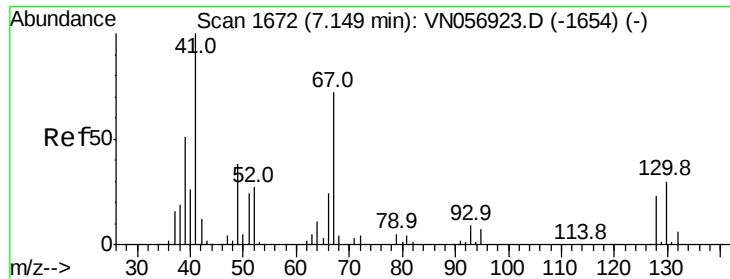
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#40
Benzene
Concen: 53.132 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





#41

Methacrylonitrile

Concen: 46.925 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 98579

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

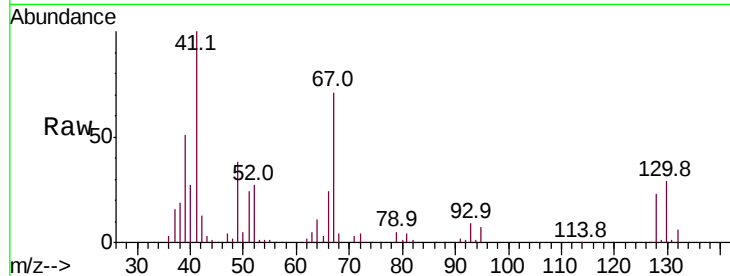
52 0.0 0.0 0.0

Manual Integrations

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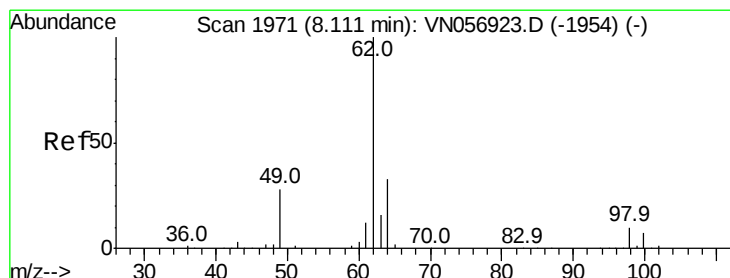
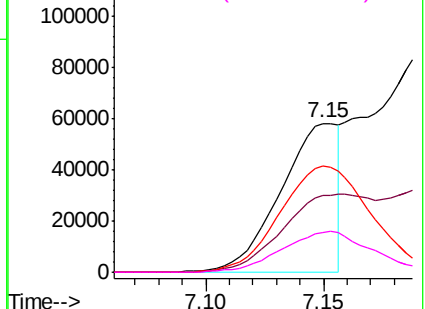
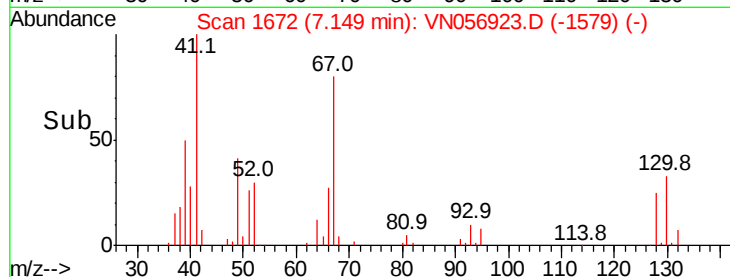


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 53.313 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN056923.D

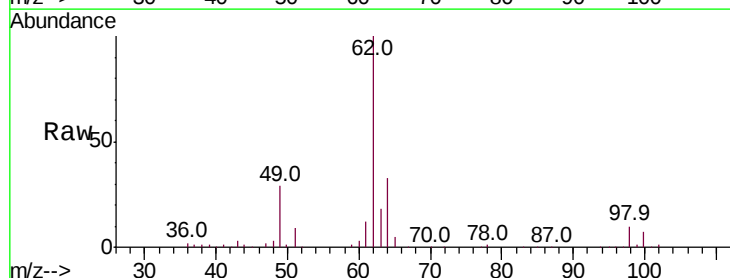
Acq: 25 Jul 2019 15:25

Tgt Ion: 62 Resp: 302719

Ion Ratio Lower Upper

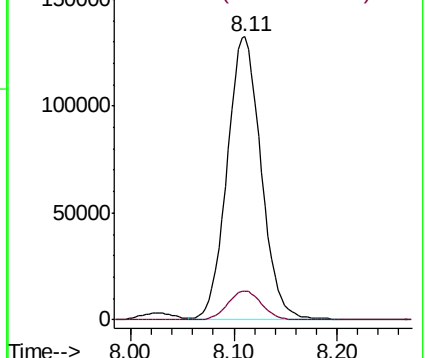
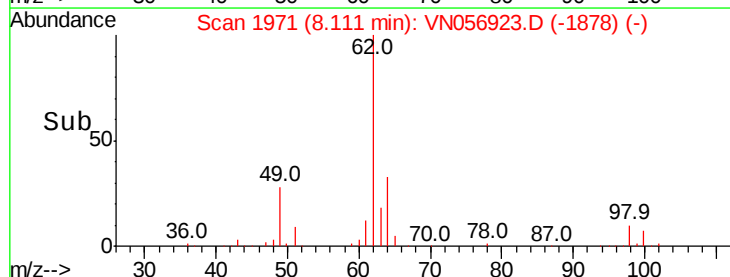
62 100

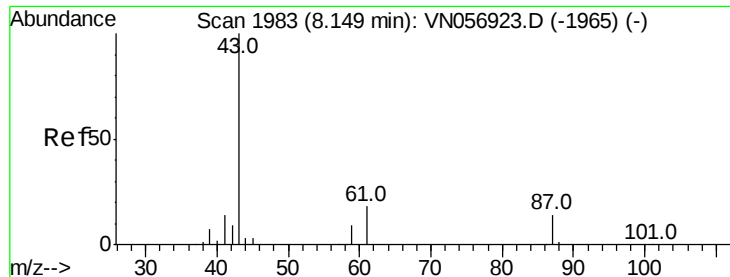
98 10.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 53.898 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

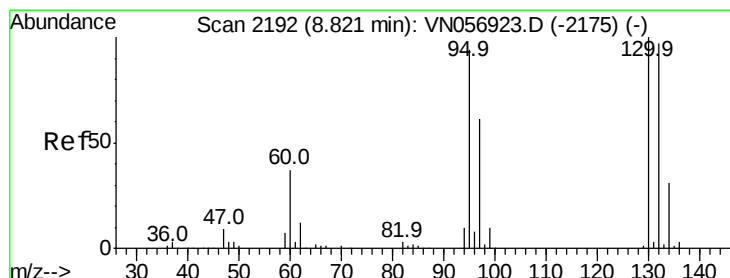
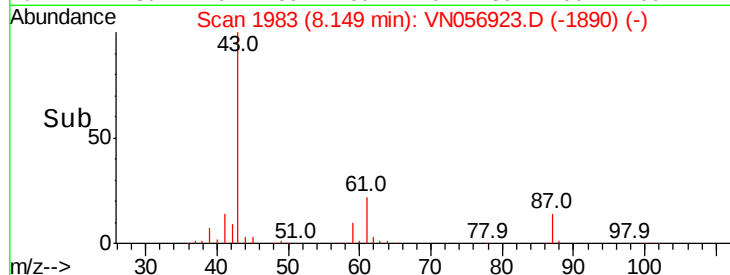
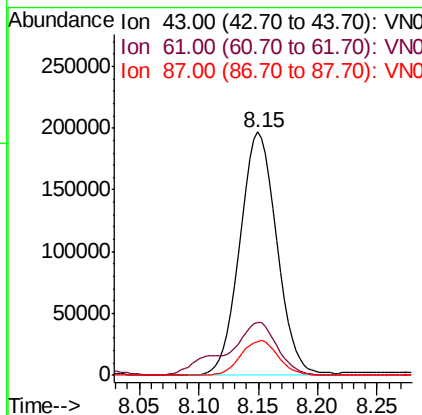
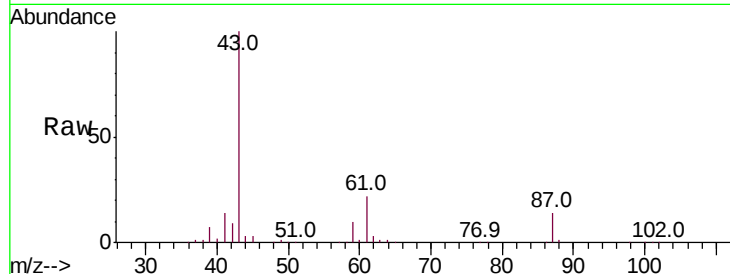
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	423619
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	14.7	11.8	17.6

Manual Integrations
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#44

Trichloroethene

Concen: 53.868 ug/l

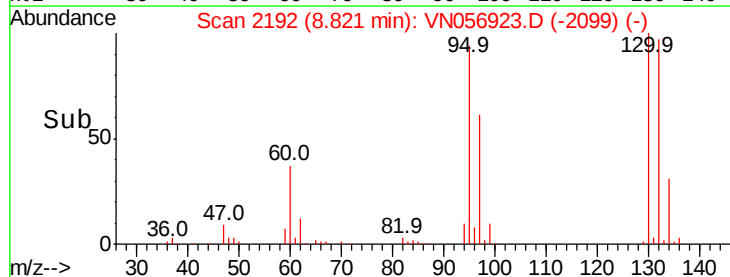
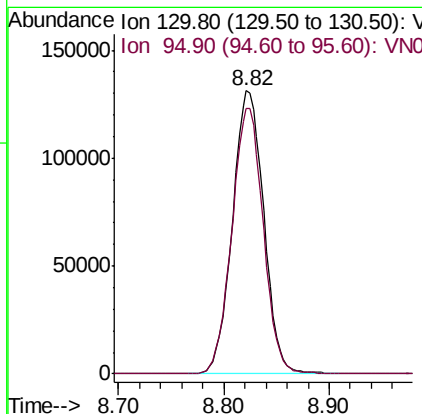
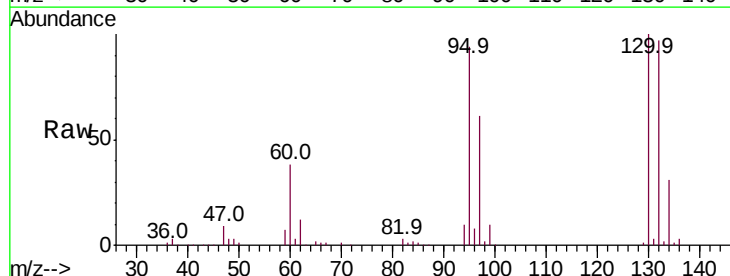
RT: 8.82 min Scan# 2192

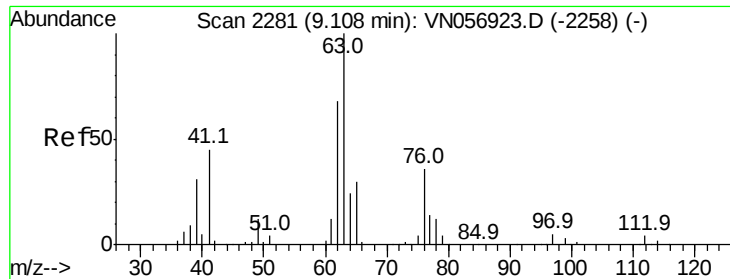
Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Tgt Ion:	130	Resp:	270160
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	187.6





#45

1,2-Dichloropropane

Concen: 53.177 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 262724

Ion Ratio Lower Upper

63 100

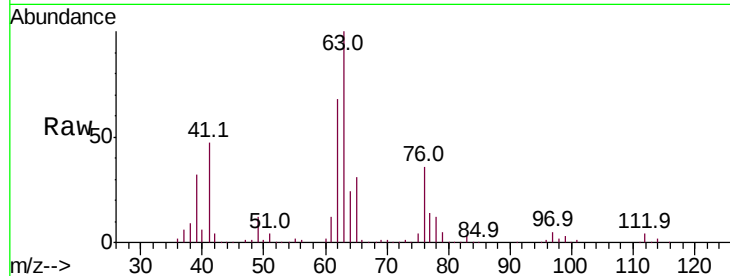
65 30.6 24.5 36.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN056923.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN056923.D (-2258) (-)

9.11

150000

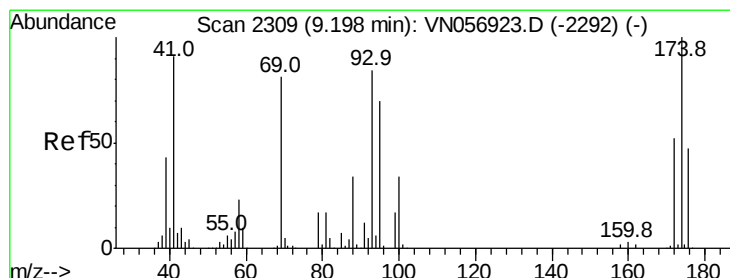
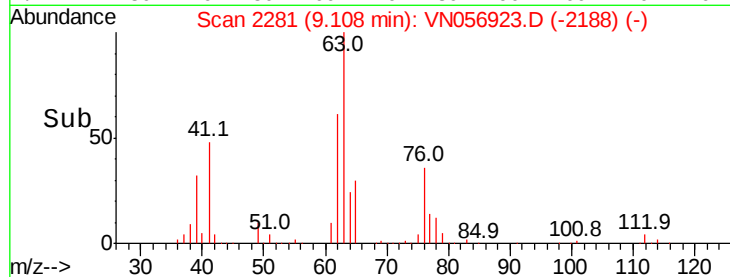
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 54.526 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

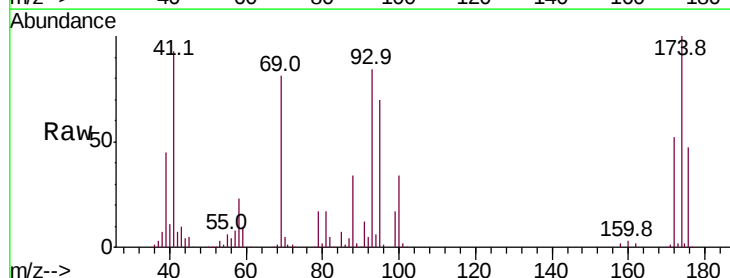
Tgt Ion: 93 Resp: 162403

Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 116.1 92.9 139.3



Abundance Ion 92.80 (92.50 to 93.50): VN056923.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN056923.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN056923.D (-2292) (-)

9.20

120000

100000

80000

60000

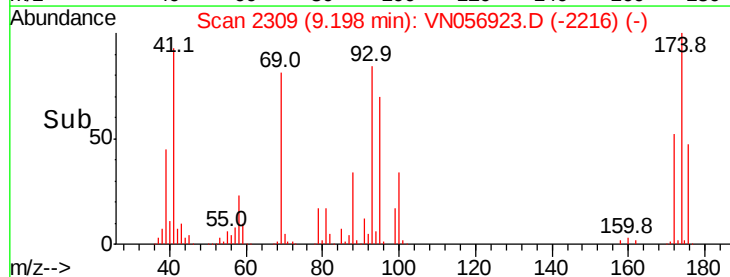
40000

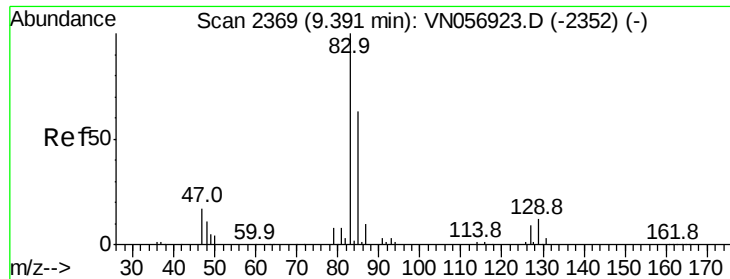
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





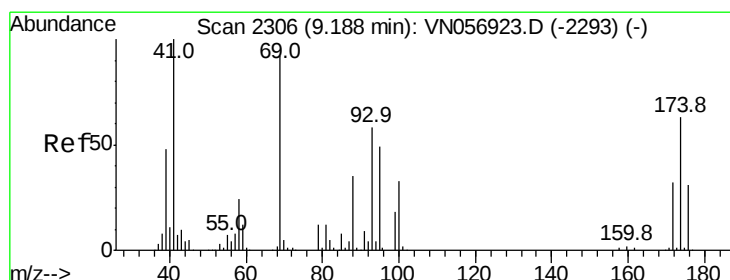
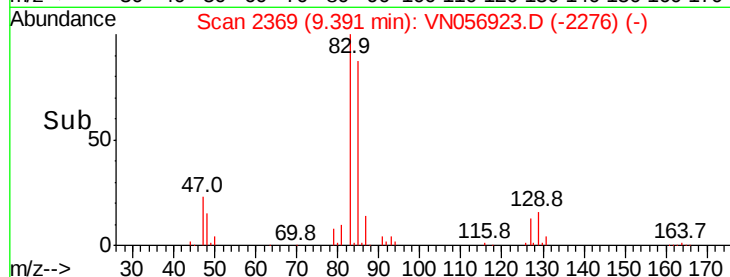
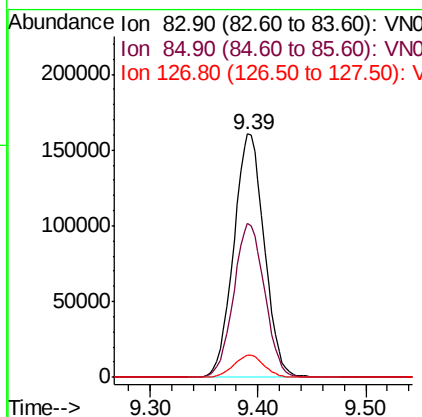
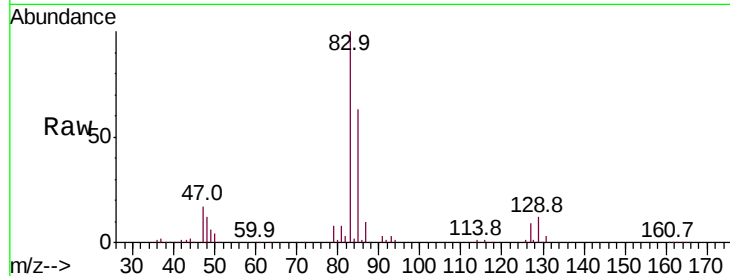
#47
Bromodichloromethane
Concen: 54.447 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	9.2	7.4	11.0

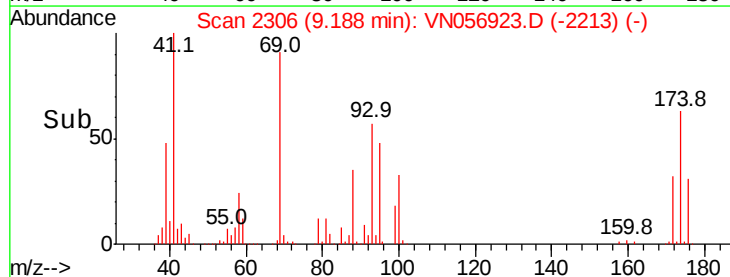
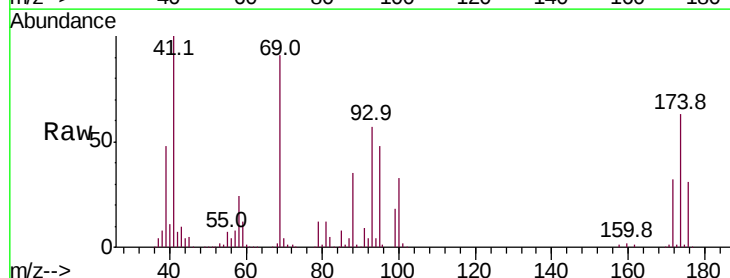
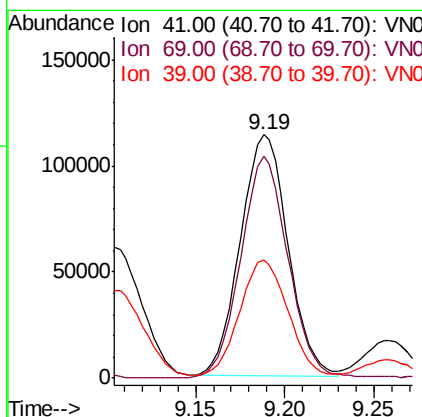
Manual Integrations
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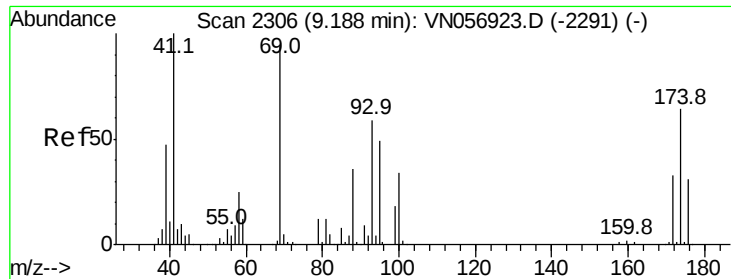
MMDadoda
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#48
Methyl methacrylate
Concen: 56.187 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.7	73.4	110.0
39	50.1	40.1	60.1





#49

1,4-Dioxane

Concen: 1119.956 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

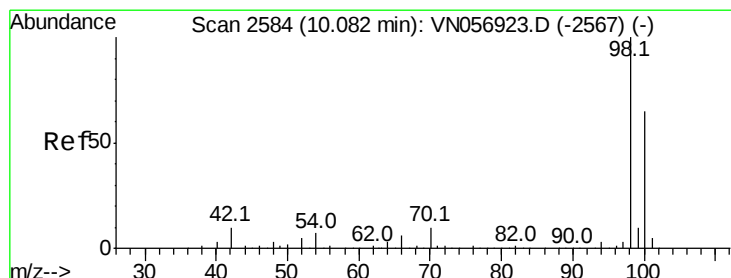
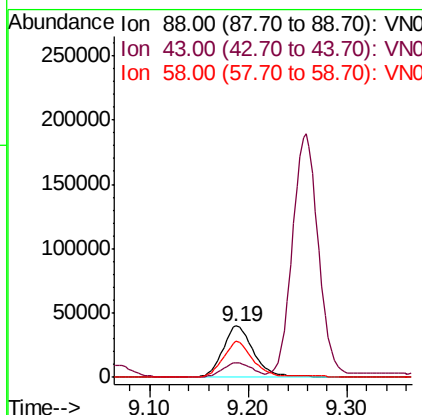
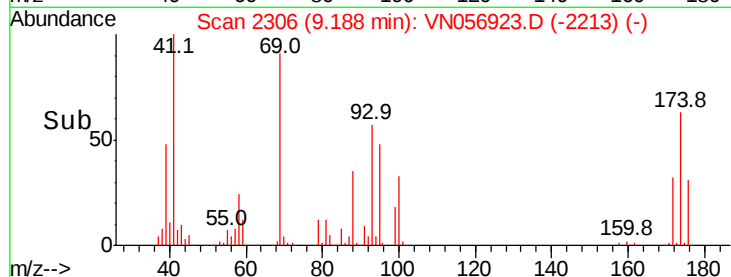
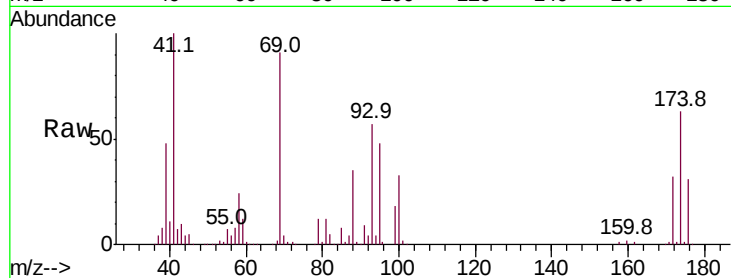
ClientSampleId :

VSTDICCC050

Tot Ion:	88	Resp:	88480
Ion	Ratio	Lower	Upper
88	100		
43	26.4	21.1	31.7
58	65.6	52.5	78.7

Manual Integrations
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#50

Toluene-d8

Concen: 54.170 ug/l

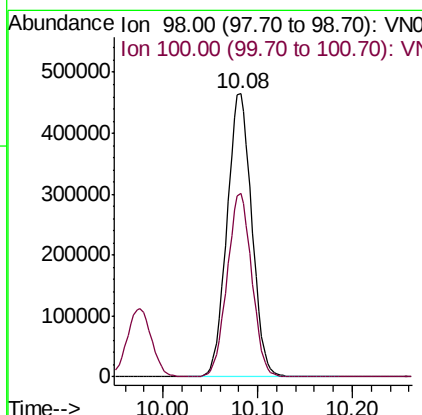
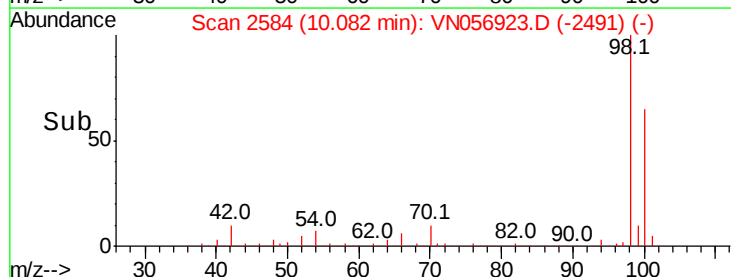
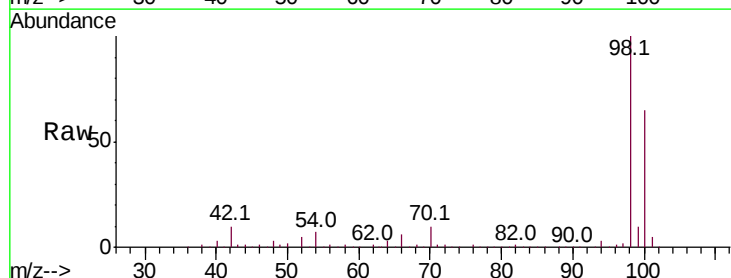
RT: 10.08 min Scan# 2584

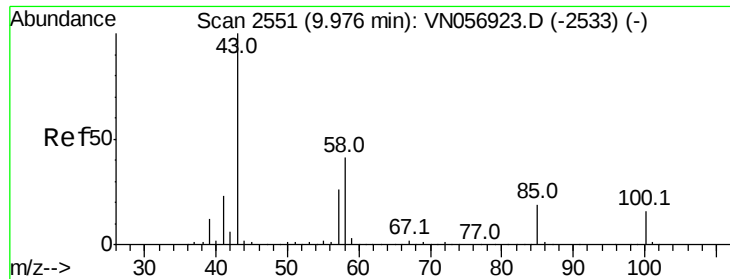
Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Tgt Ion:	98	Resp:	846285
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 273.228 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1276789

Ion Ratio Lower Upper

43 100

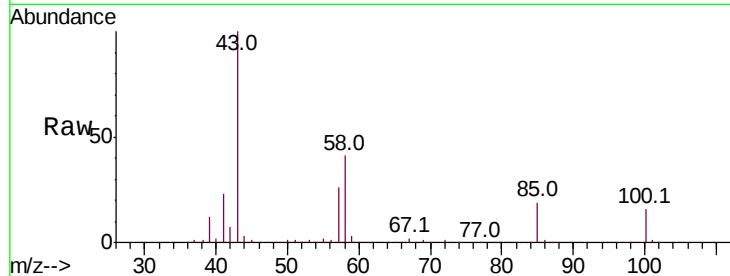
58 41.0 32.8 49.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

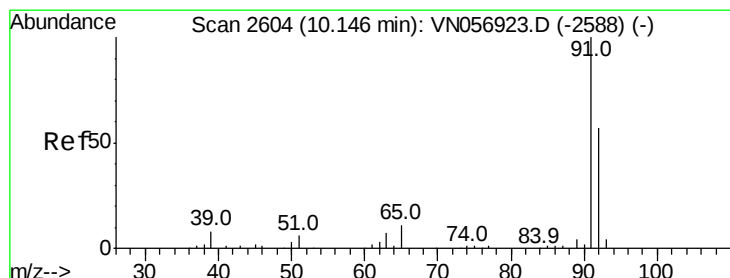
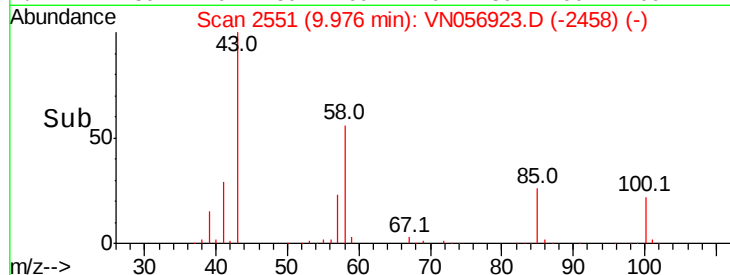
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 54.944 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN056923.D

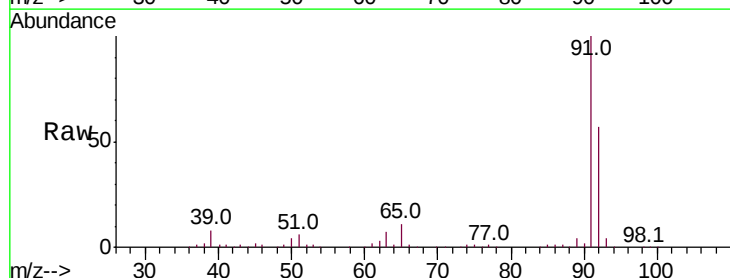
Acq: 25 Jul 2019 15:25

Tgt Ion: 92 Resp: 605810

Ion Ratio Lower Upper

92 100

91 174.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

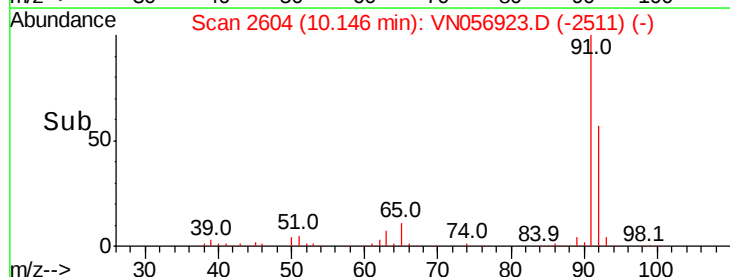
600000

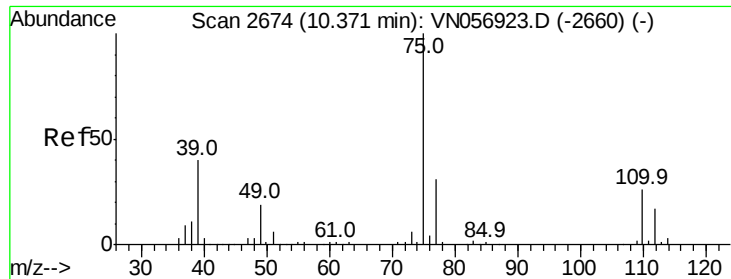
400000

200000

0

Time-->





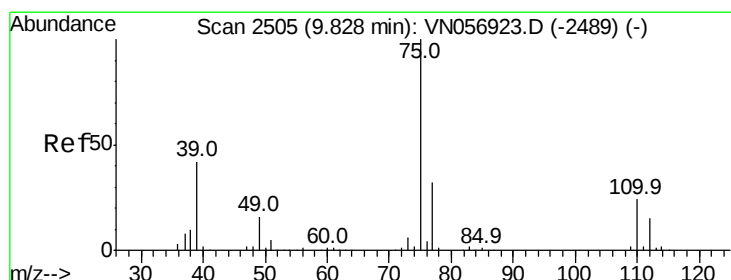
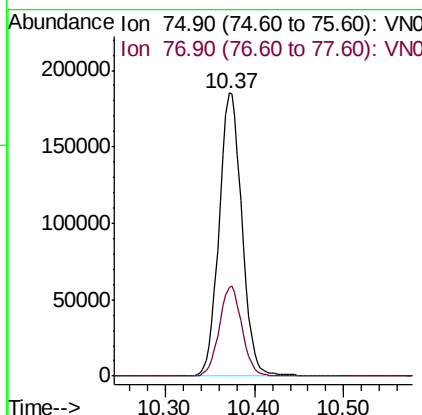
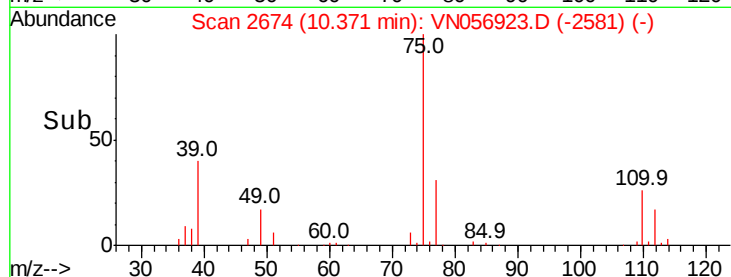
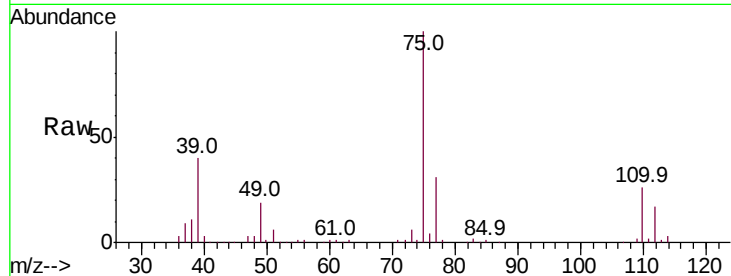
#53
t-1,3-Dichloropropene
Concen: 55.952 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 328101
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

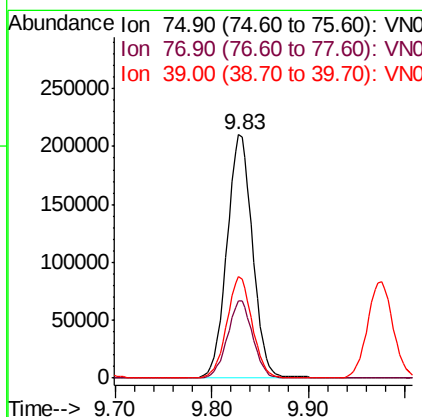
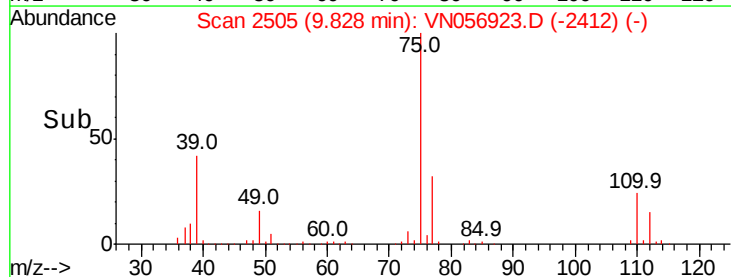
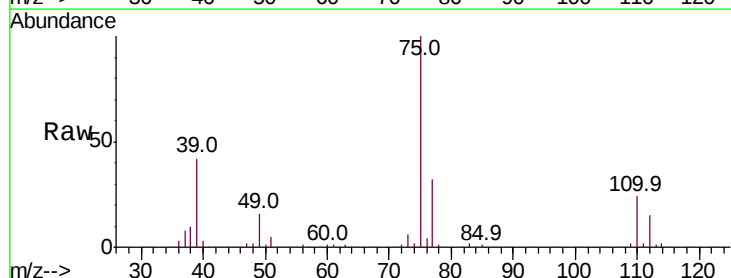
Manual Integrations
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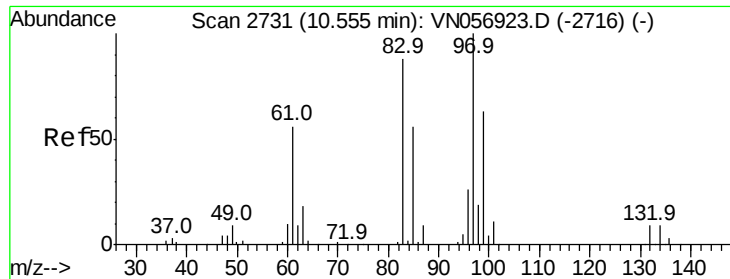
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#54
cis-1,3-Dichloropropene
Concen: 55.964 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion: 75 Resp: 386344
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 41.7 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 52.854 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

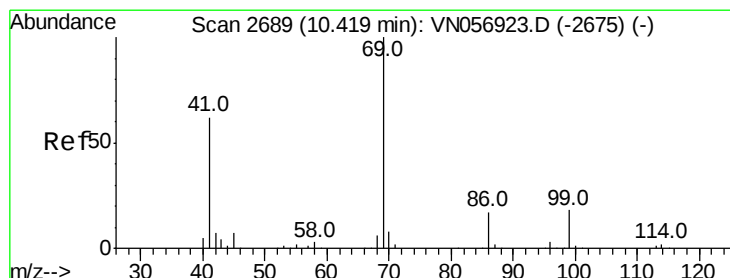
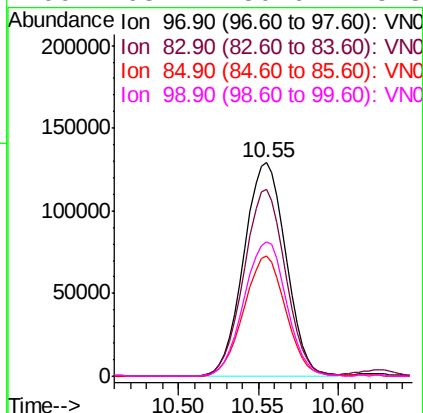
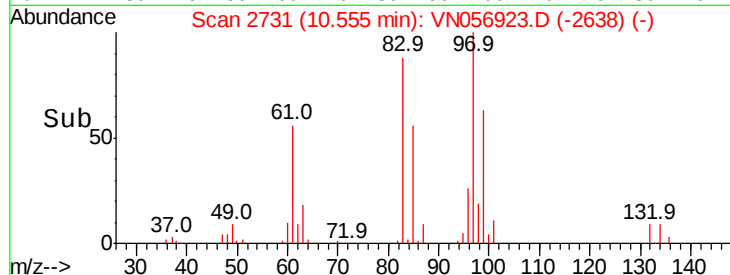
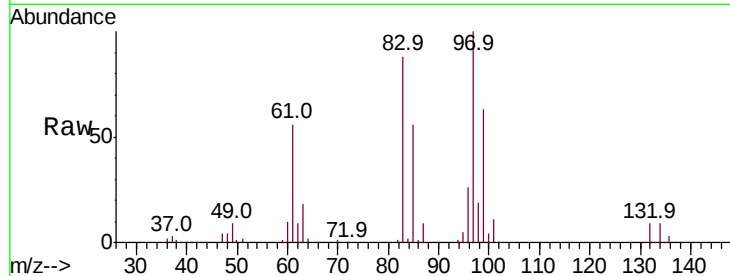
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	233555
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	56.4	45.1	67.7
99	63.2	50.6	75.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.082 ug/l

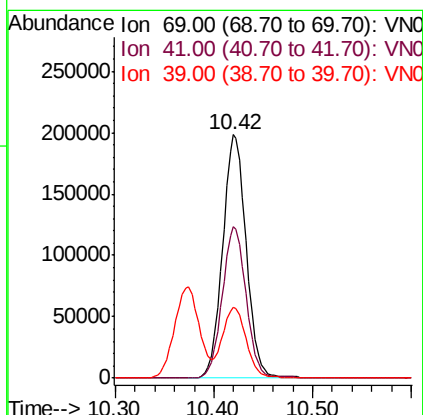
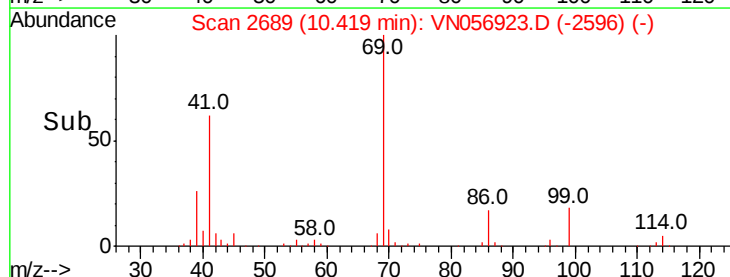
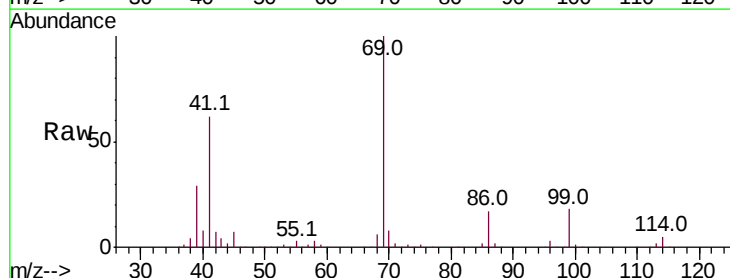
RT: 10.42 min Scan# 2689

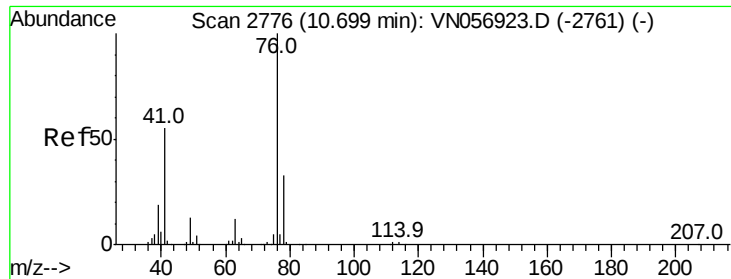
Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Tgt Ion:	69	Resp:	333194
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	29.5	23.6	35.4





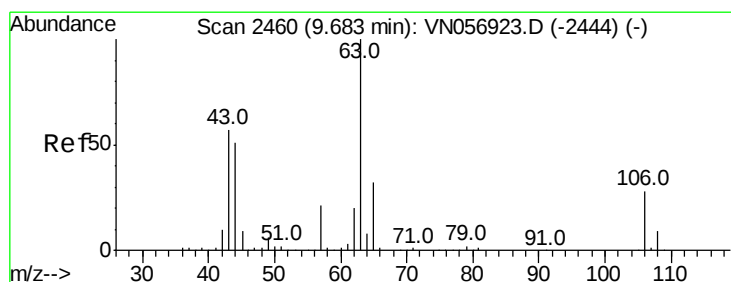
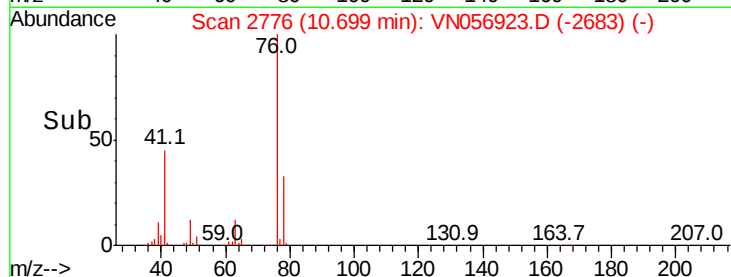
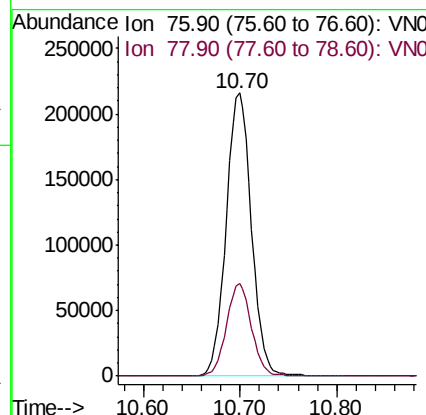
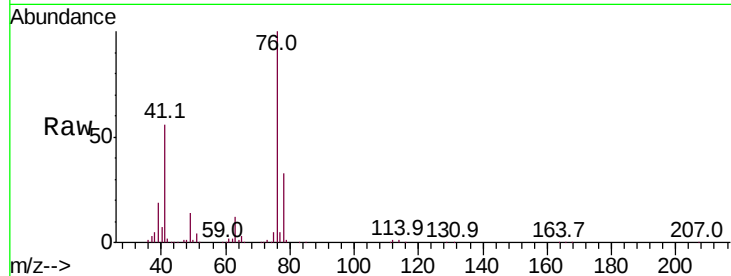
#57
 1,3-Dichloropropane
 Concen: 54.048 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

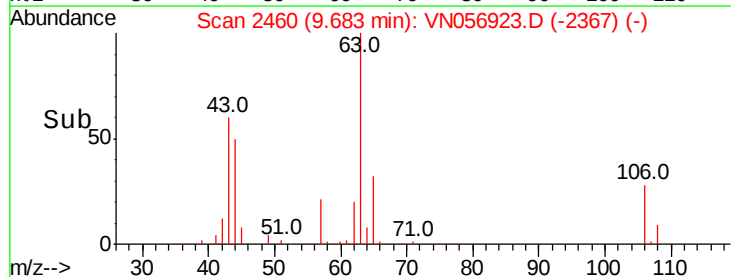
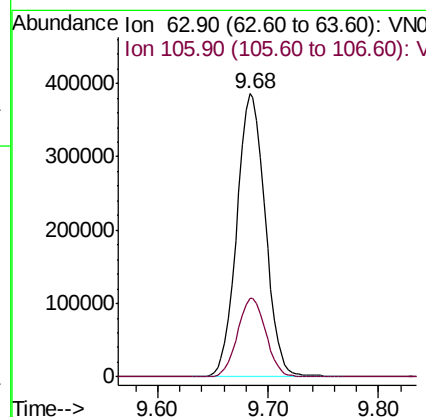
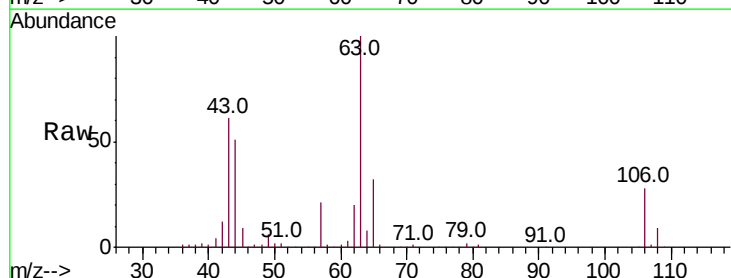
Manual Integrations
 APPROVED

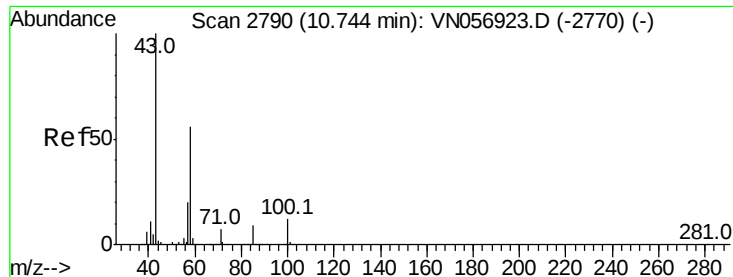
MMDadoda
 7/26/2019 3:36:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 294.617 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.2	33.4





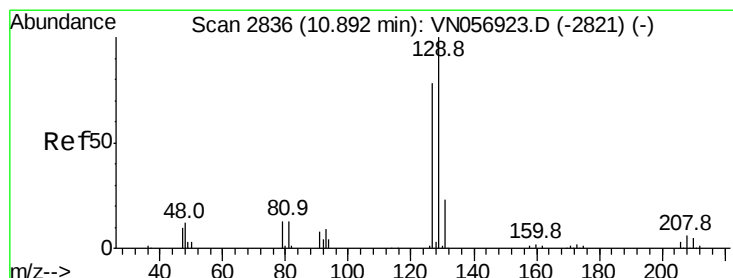
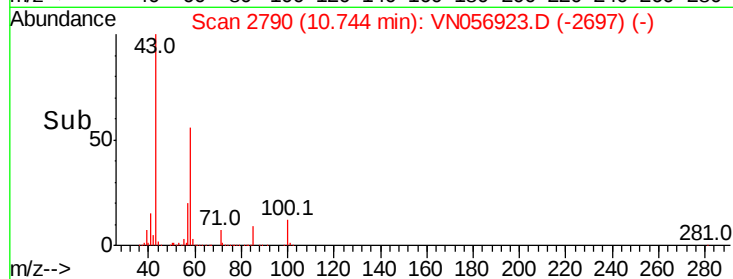
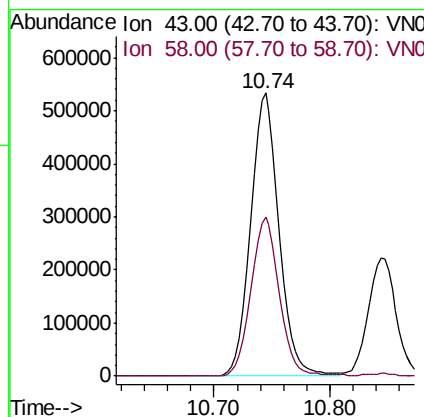
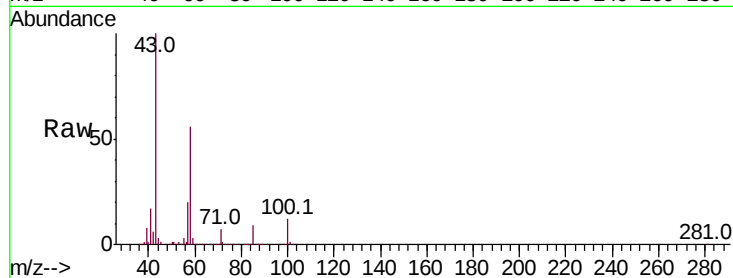
#59
2-Hexanone
Concen: 284.827 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	912484
Ion Ratio	100	Lower	Upper
58	56.4	28.2	84.6

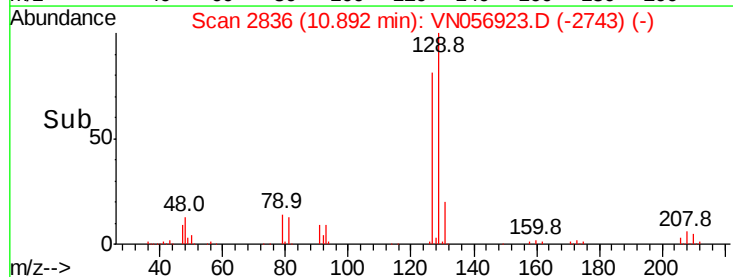
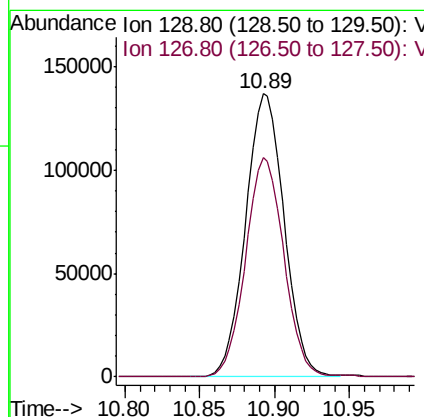
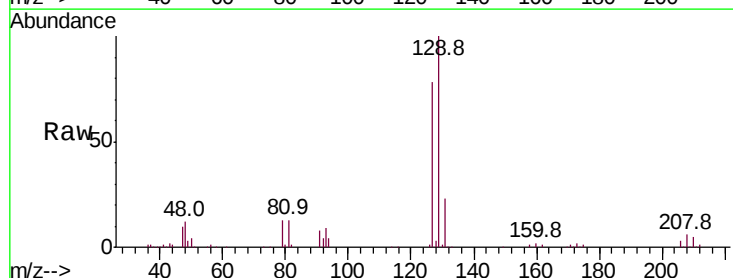
Manual Integrations
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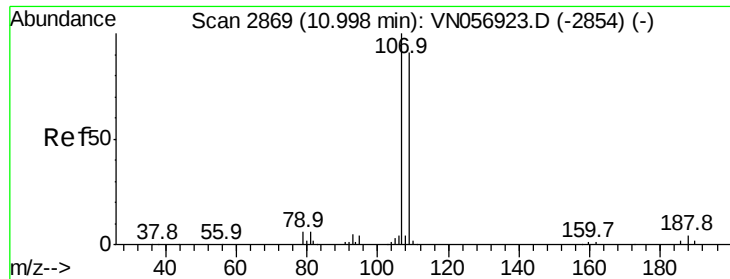
MMDadoda
7/26/2019 3:36:54 PM



#60
Dibromochloromethane
Concen: 54.786 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	129	Resp	245964	
Ion Ratio	129	100	Lower	Upper
127	76.8	38.4	115.2	





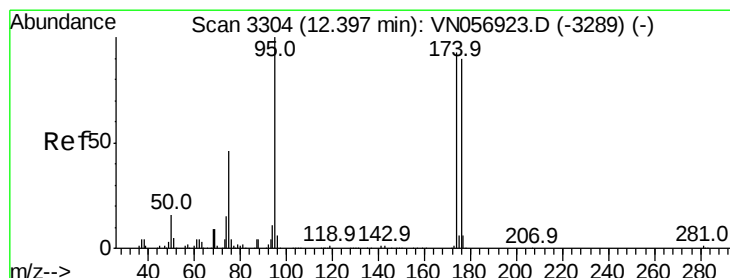
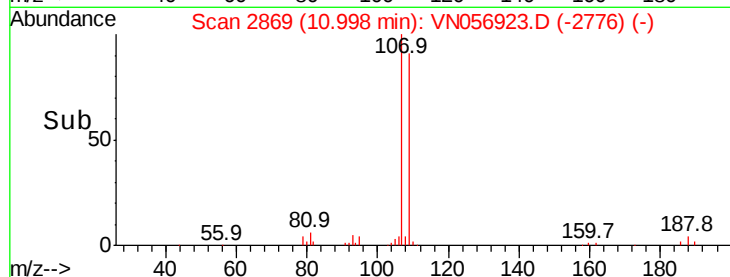
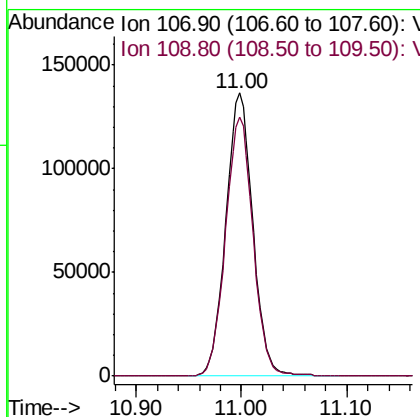
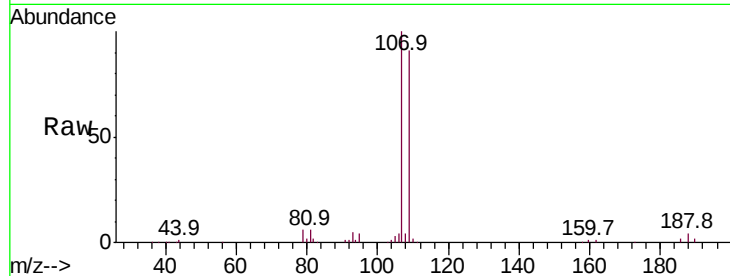
#61
 1,2-Dibromoethane
 Concen: 54.975 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.8	112.2

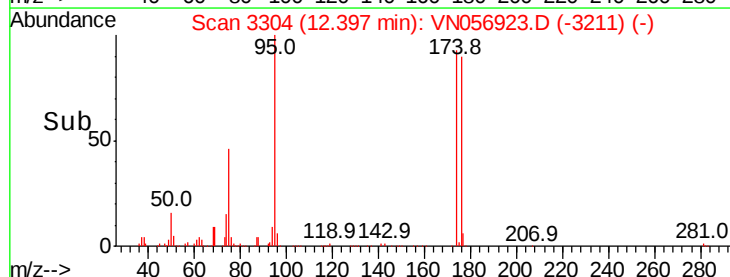
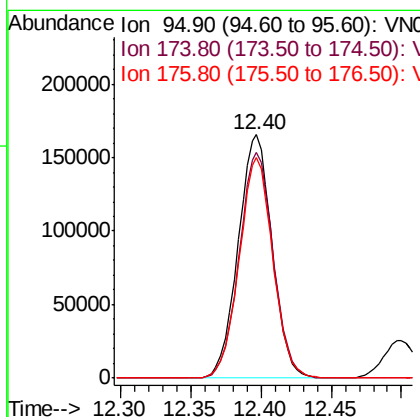
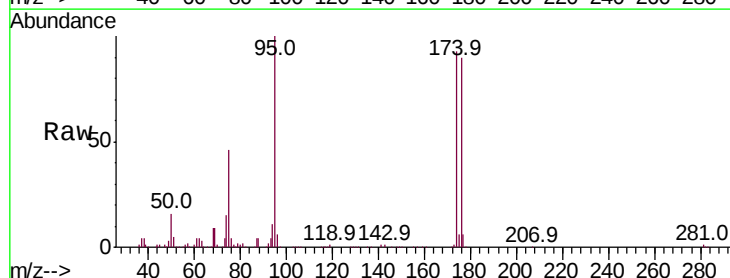
Manual Integrations
 APPROVED

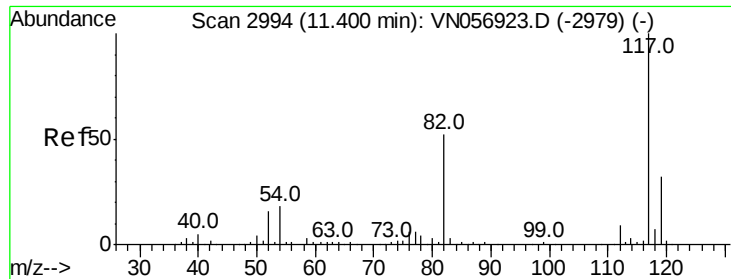
MMDadoda
 7/26/2019 3:36:54 PM



#62
 4-Bromofluorobenzene
 Concen: 54.461 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	186.2
176	89.8	0.0	179.6





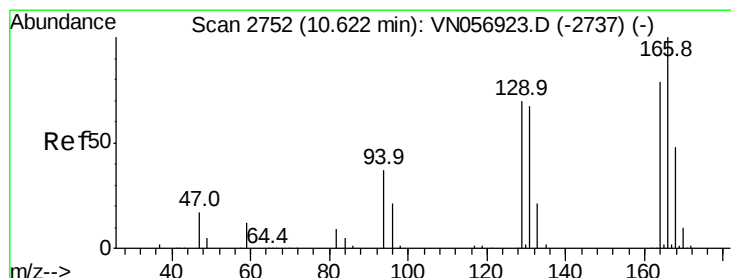
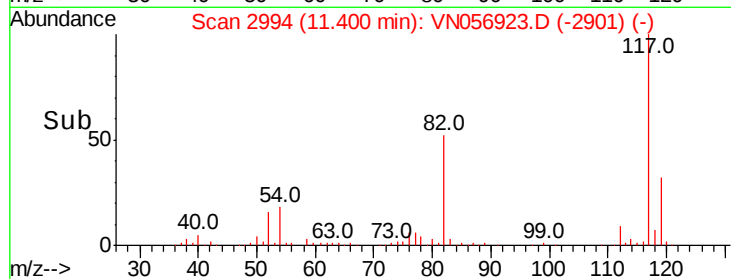
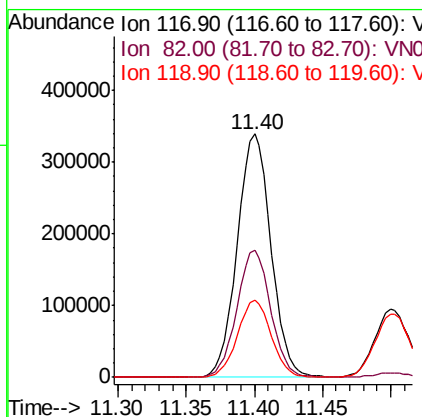
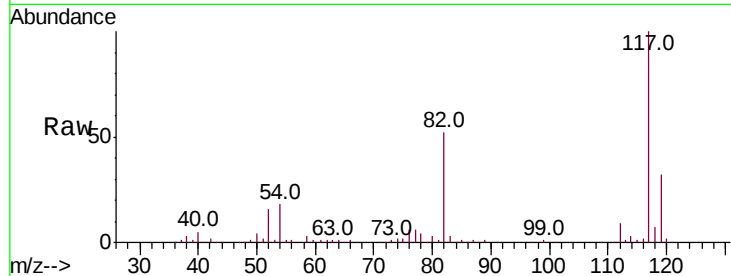
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.7	62.5
119	31.9	25.5	38.3

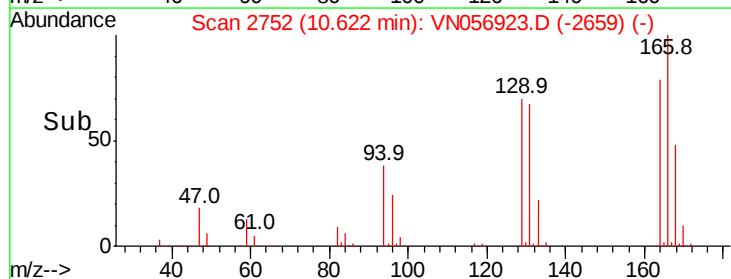
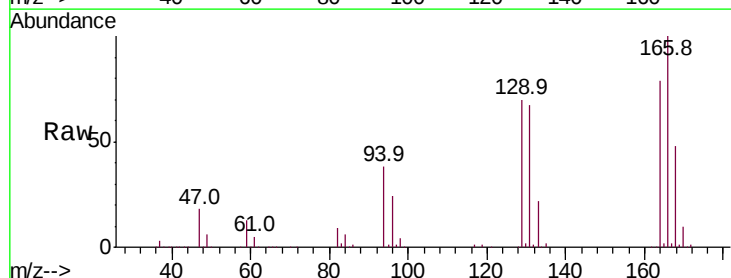
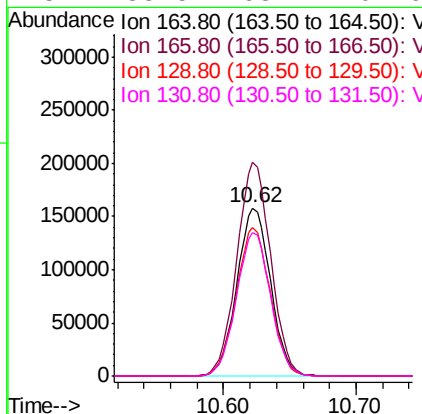
Manual Integrations
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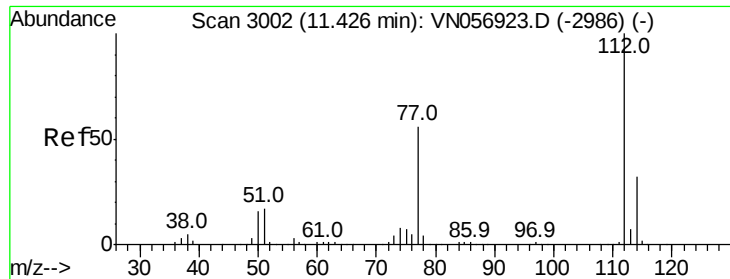
MMDadoda
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#64
Tetrachloroethene
Concen: 52.255 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.6	152.4
129	88.6	70.9	106.3
131	85.5	68.4	102.6





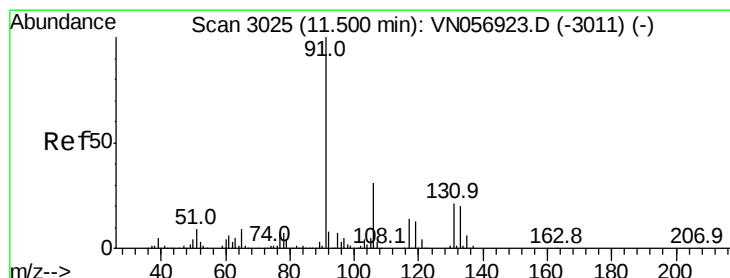
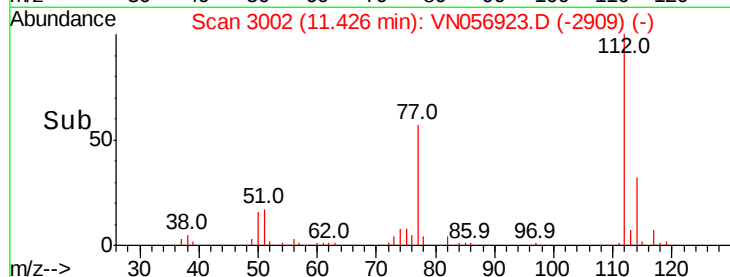
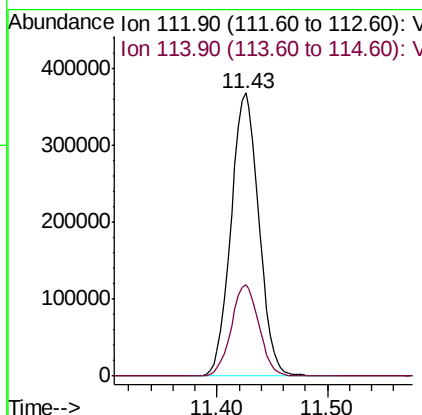
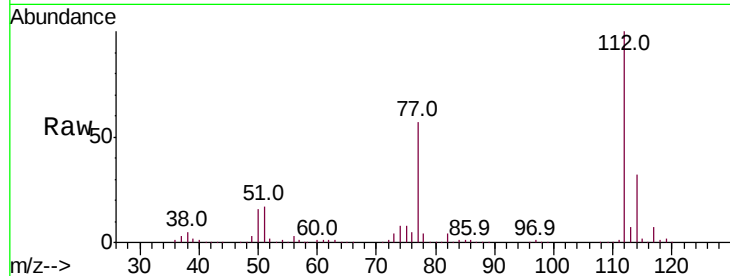
#65
Chlorobenzene
Concen: 52.824 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 644401
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

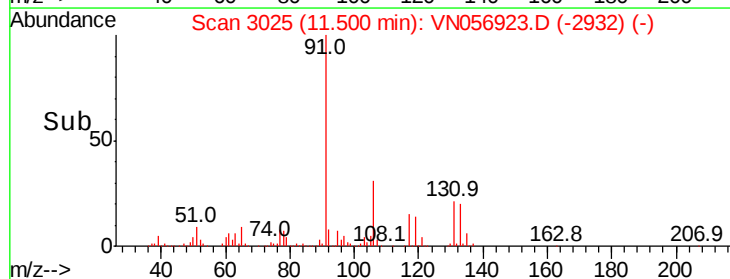
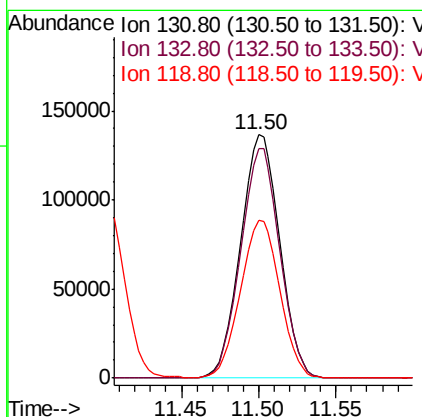
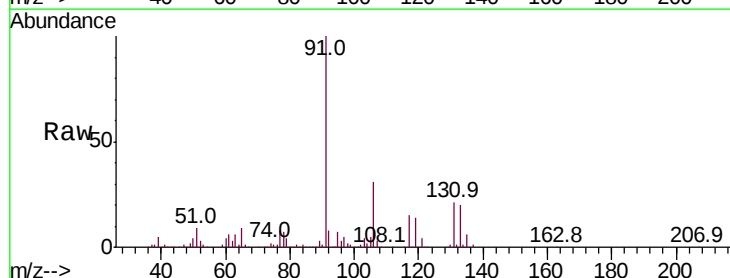
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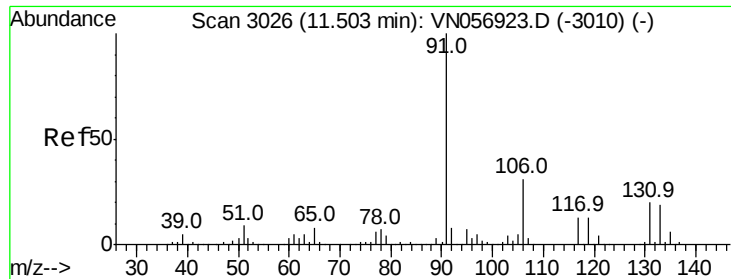
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.066 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion:131 Resp: 240752
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.4
119 65.3 32.6 98.0





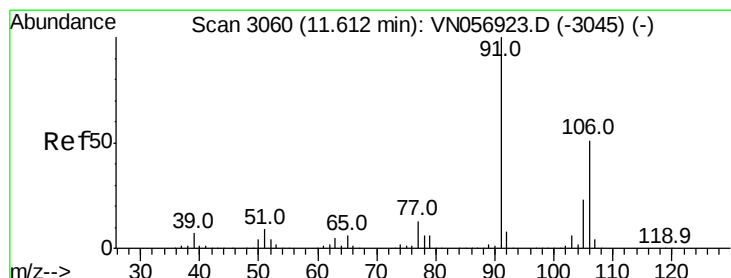
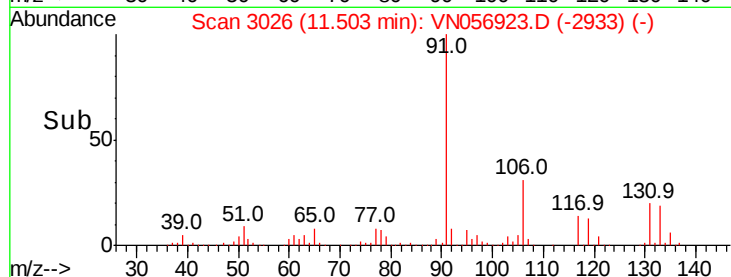
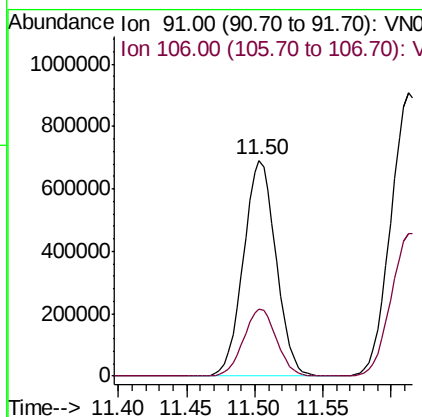
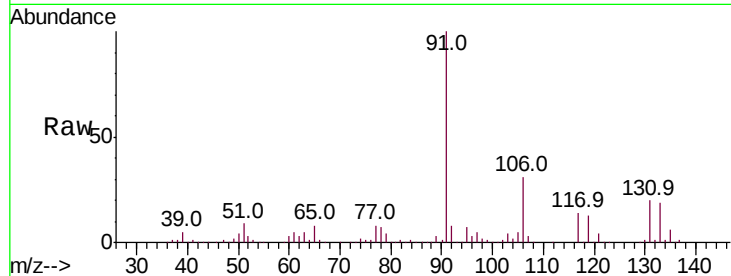
#67
Ethyl Benzene
Concen: 54.518 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1145055
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

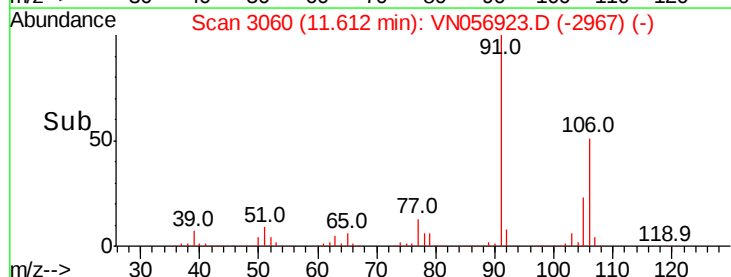
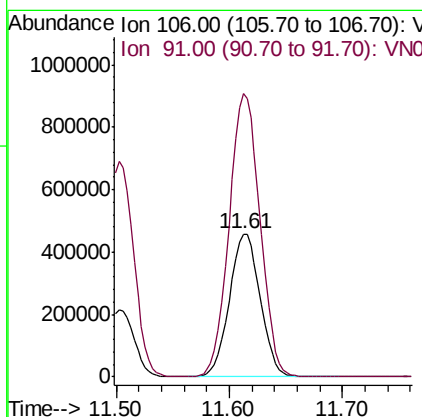
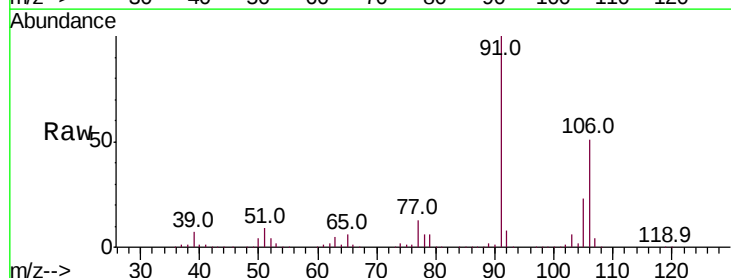
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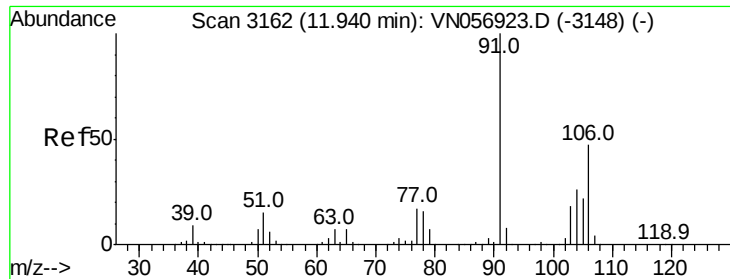
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#68
m/p-Xylenes
Concen: 110.335 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion: 106 Resp: 864134
Ion Ratio Lower Upper
106 100
91 199.5 159.6 239.4





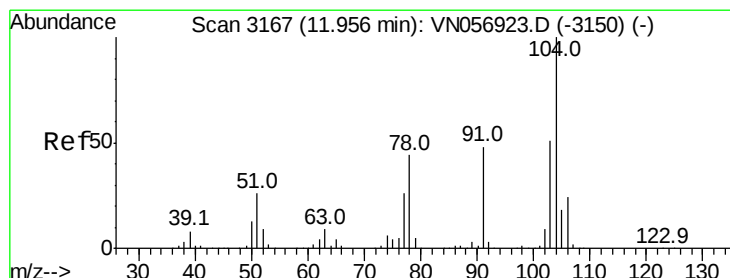
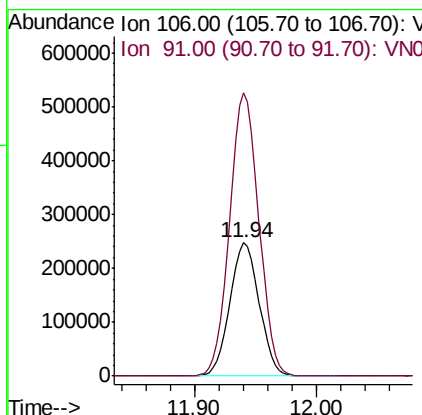
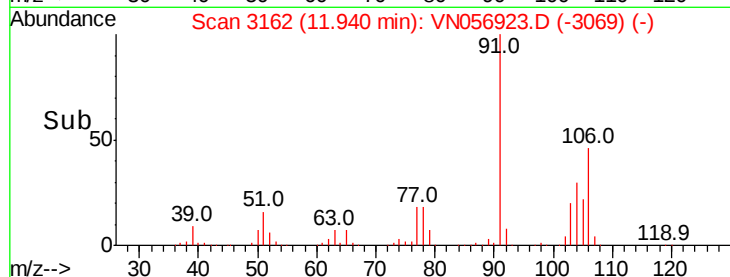
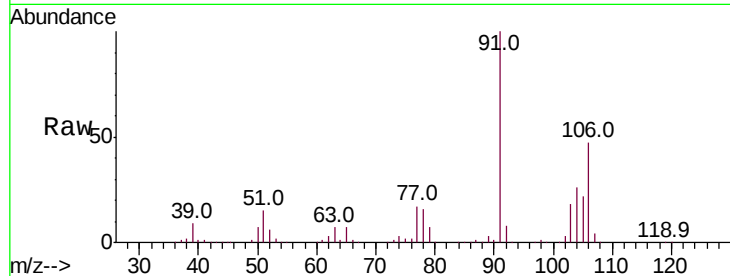
#69
o-Xylene
Concen: 54.304 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 416172
Ion Ratio Lower Upper
106 100
91 211.3 105.7 317.0

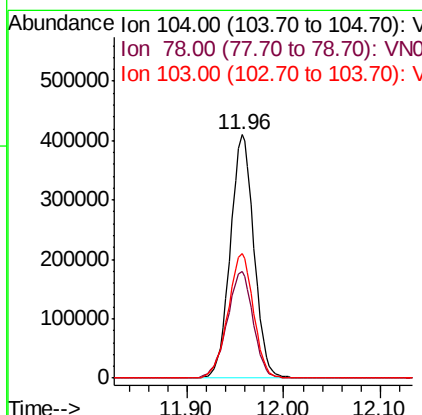
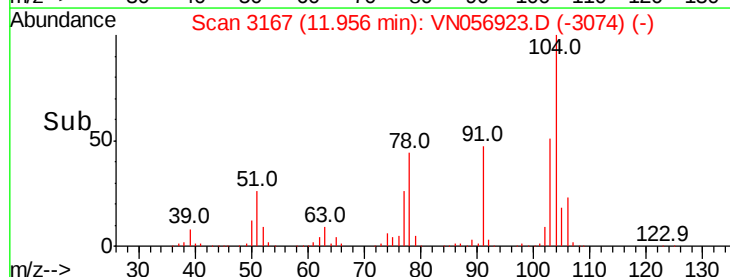
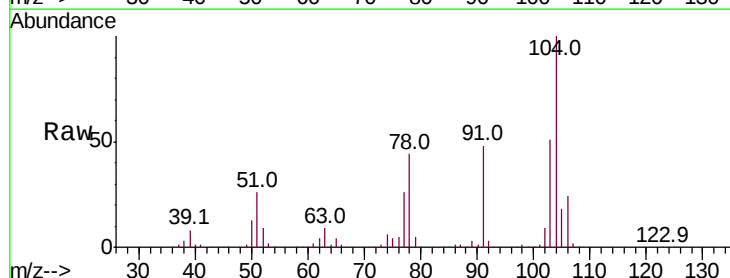
Manual Integrations
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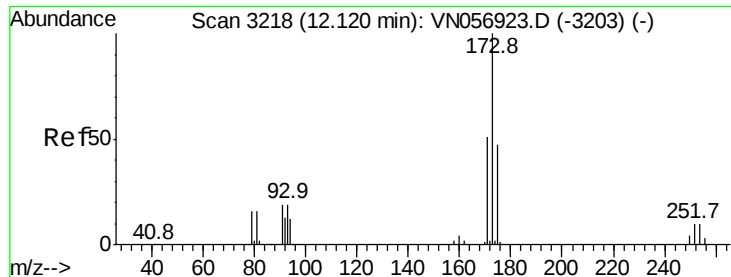
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#70
Styrene
Concen: 57.199 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion:104 Resp: 694386
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.1 44.1 66.1





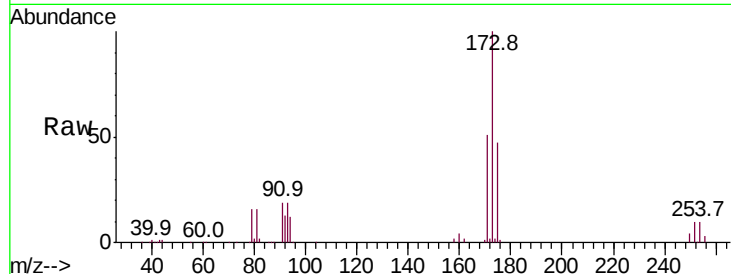
#71
Bromoform
Concen: 54.148 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

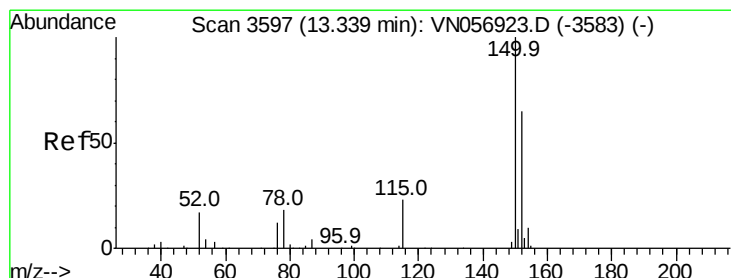
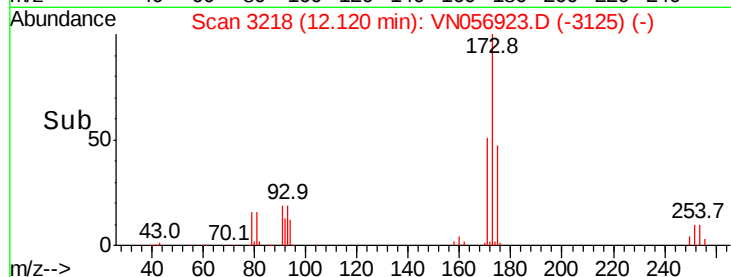
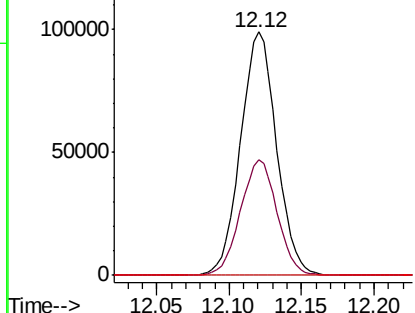
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.1	0.1#

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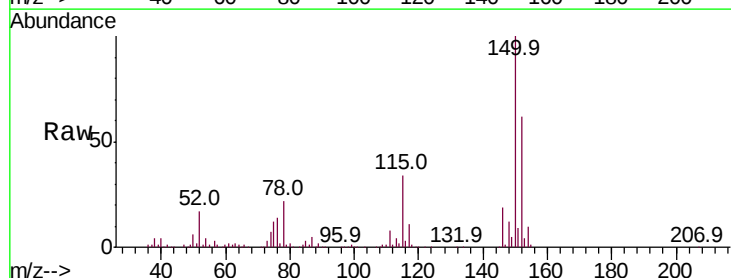


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

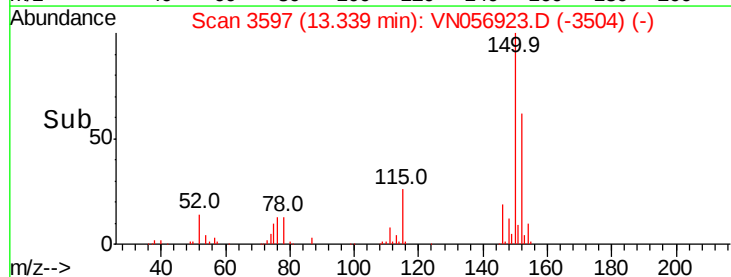
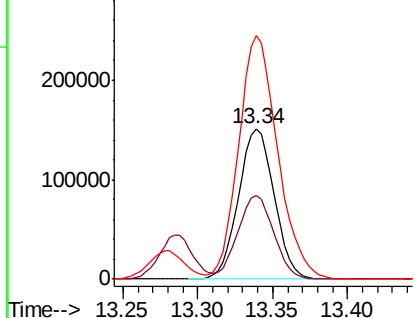


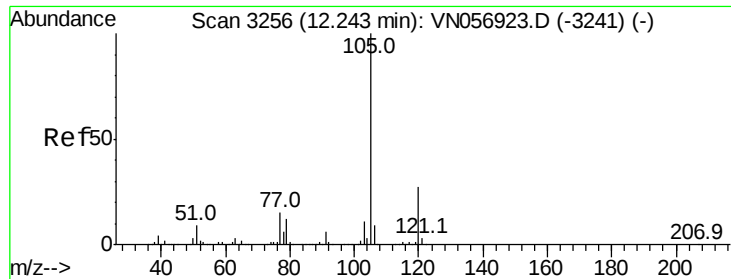
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.9	83.7
150	177.1	0.0	354.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.601 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1112605

Ion Ratio Lower Upper

105 100

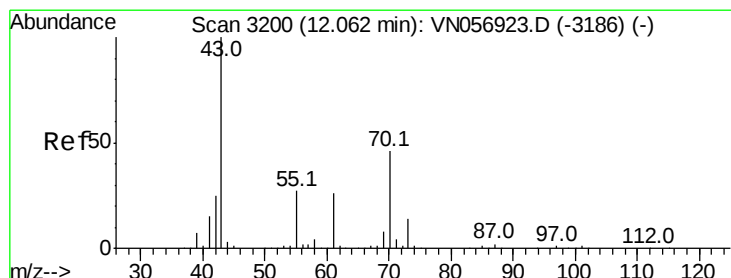
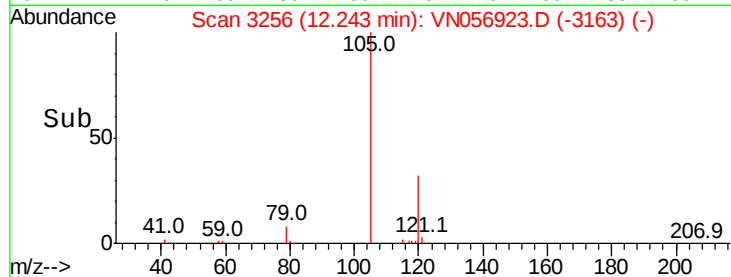
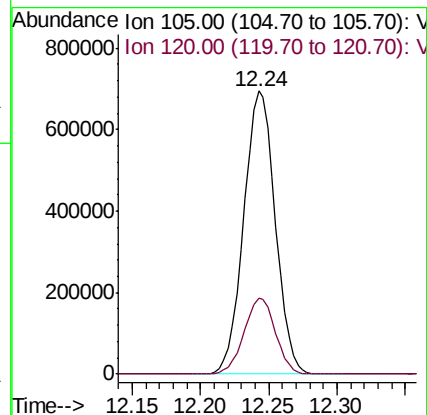
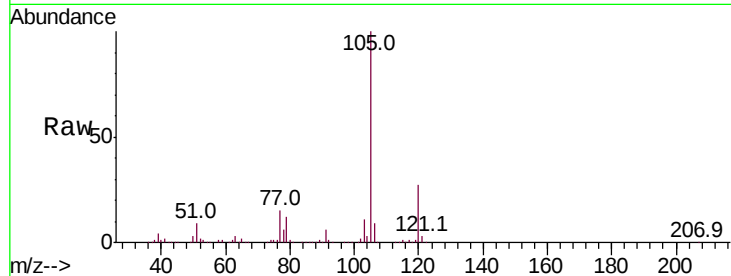
120 26.7 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.168 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Tgt Ion: 43 Resp: 343823

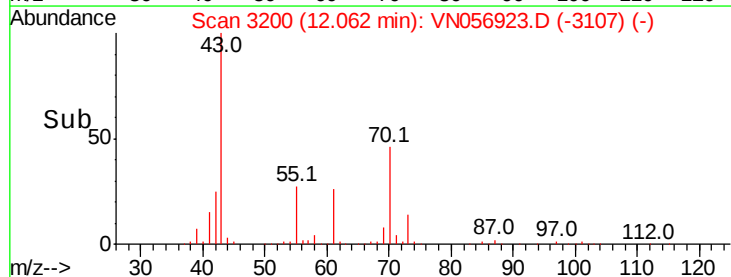
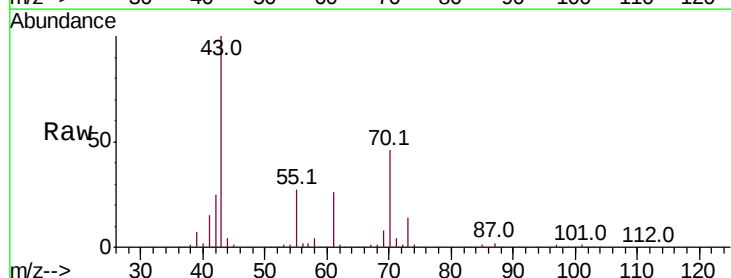
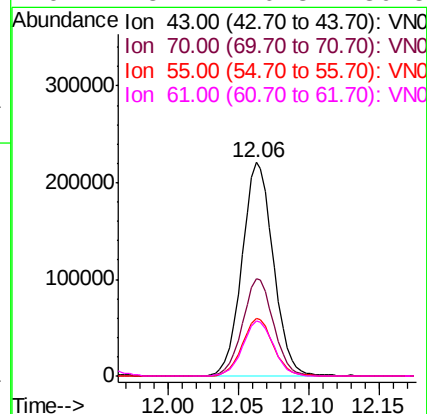
Ion Ratio Lower Upper

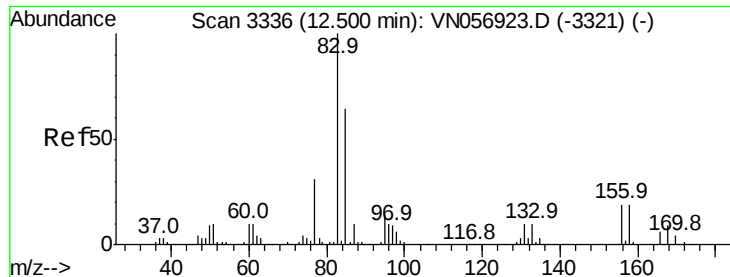
43 100

70 44.9 35.9 53.9

55 26.8 21.4 32.2

61 25.4 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.857 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 302468

Ion Ratio Lower Upper

83 100

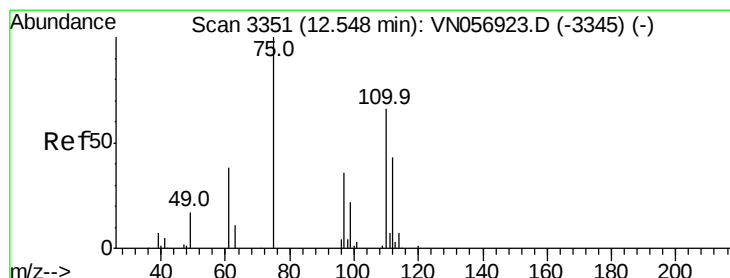
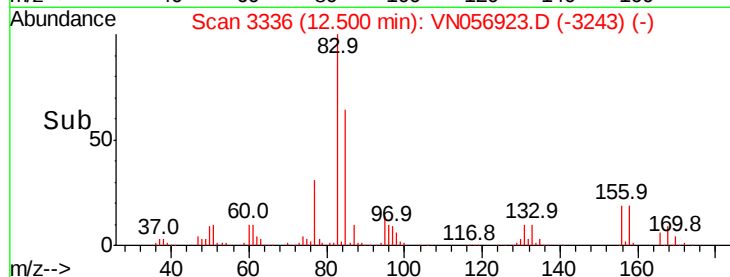
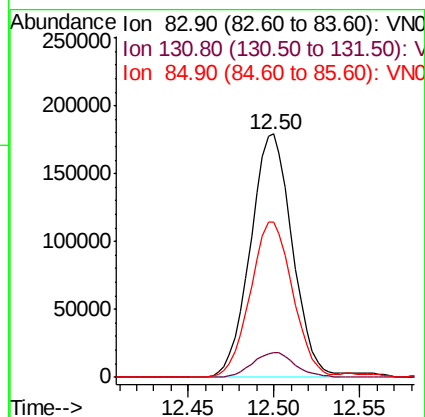
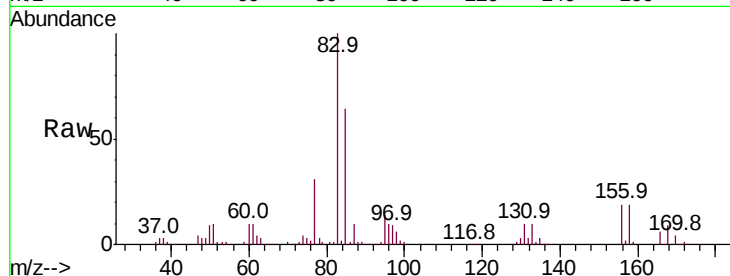
131 10.5 5.3 15.8

85 64.6 32.3 96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.194 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN056923.D

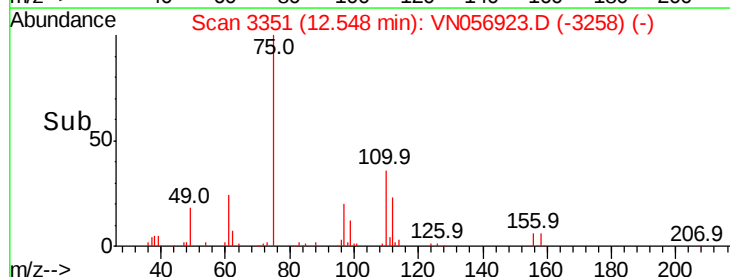
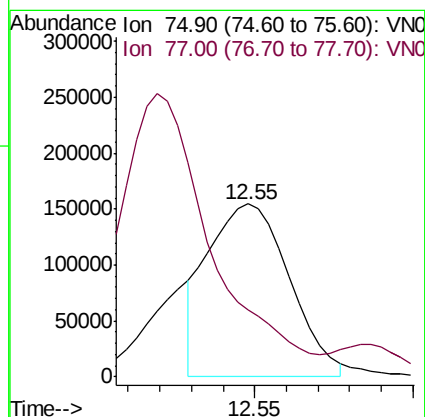
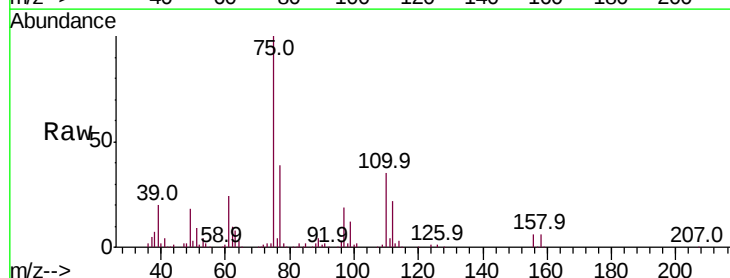
Acq: 25 Jul 2019 15:25

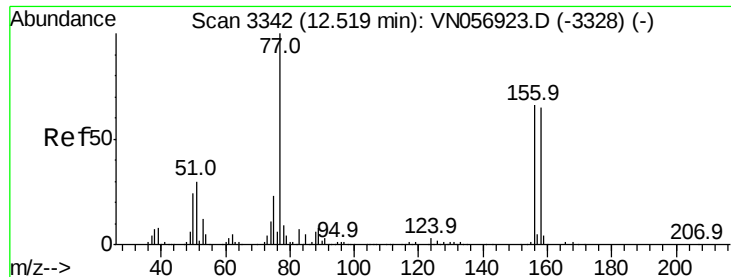
Tgt Ion: 75 Resp: 277079

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.955 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 286338

Ion Ratio Lower Upper

156 100

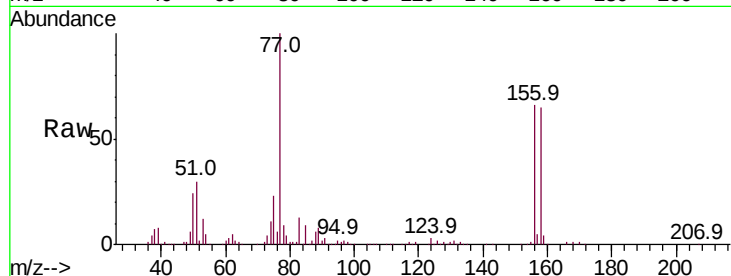
77 181.5 90.8 272.3

158 99.0 49.5 148.5

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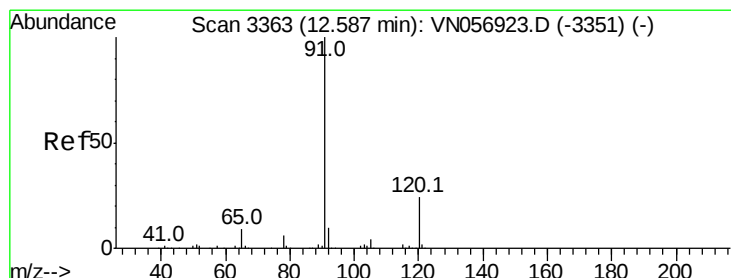
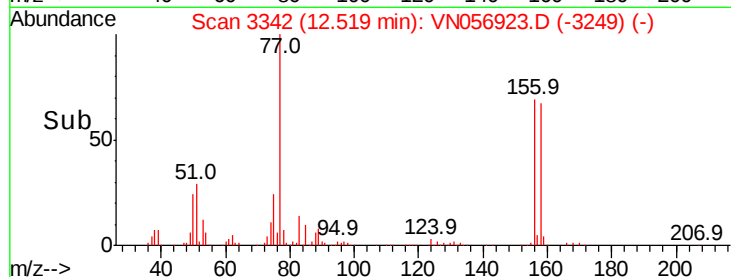
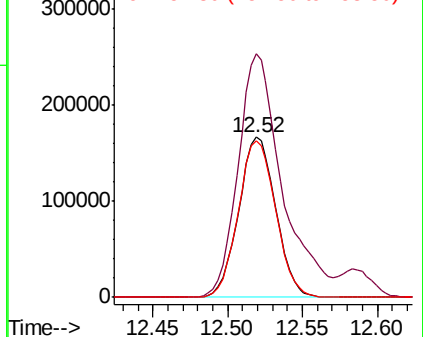
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.827 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN056923.D

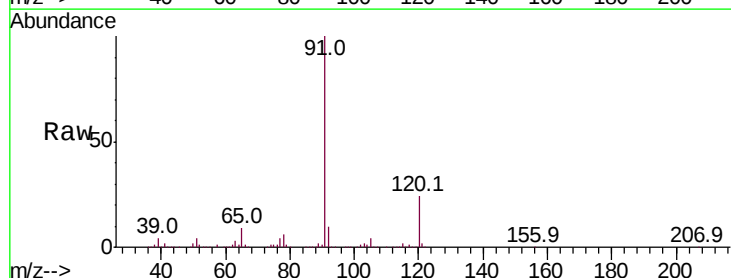
Acq: 25 Jul 2019 15:25

Tgt Ion: 91 Resp: 1228705

Ion Ratio Lower Upper

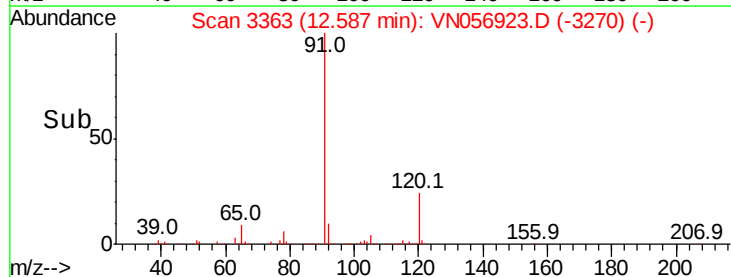
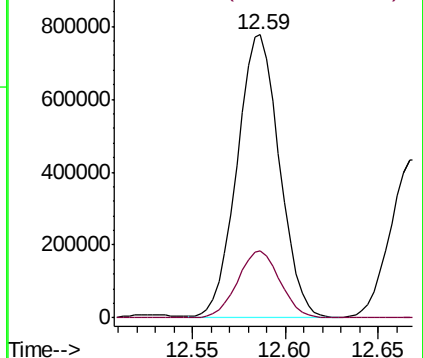
91 100

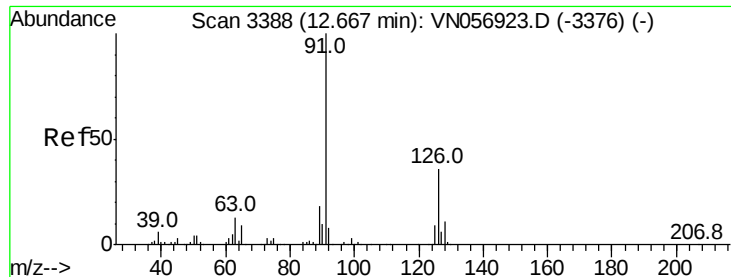
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.406 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 728552

Ion Ratio Lower Upper

91 100

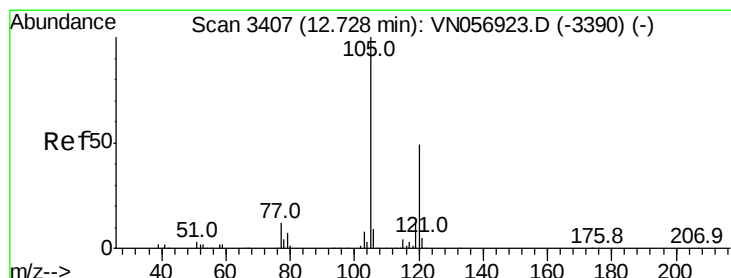
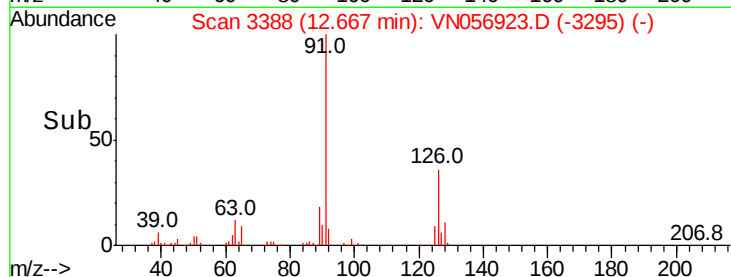
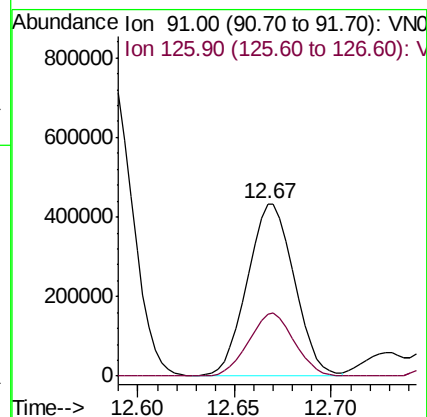
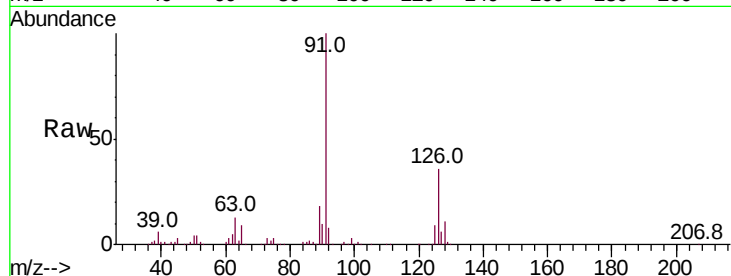
126 35.8 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 49.202 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056923.D

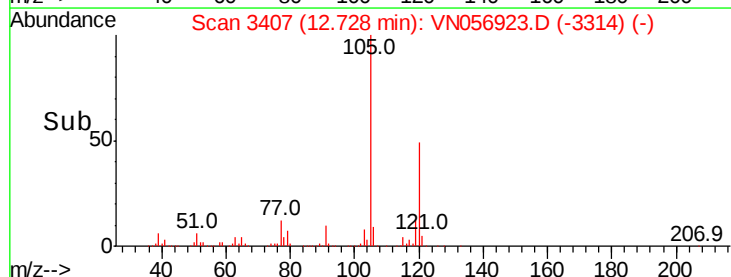
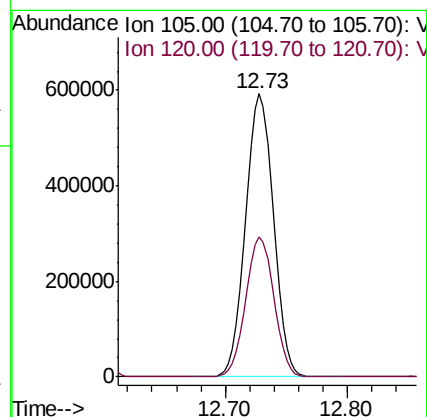
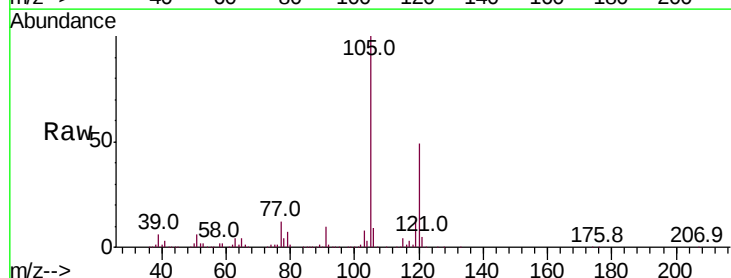
Acq: 25 Jul 2019 15:25

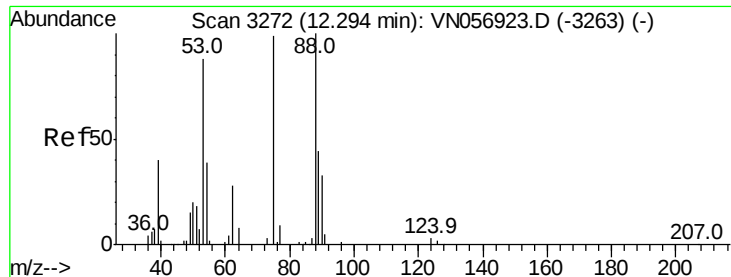
Tgt Ion: 105 Resp: 929997

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.7





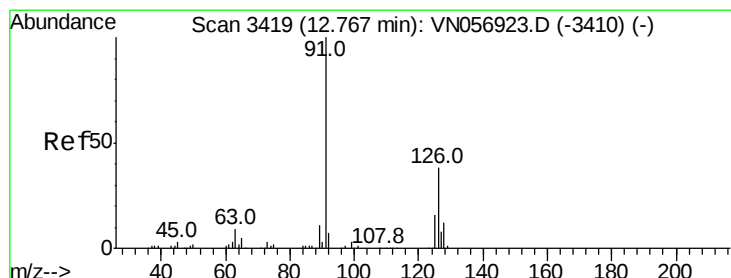
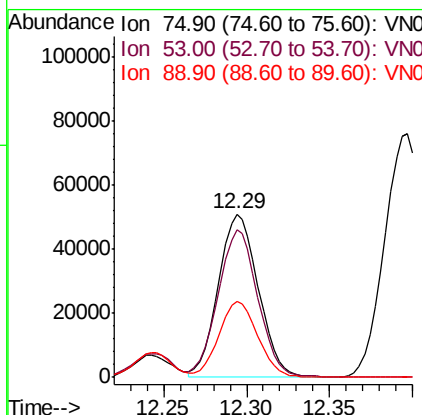
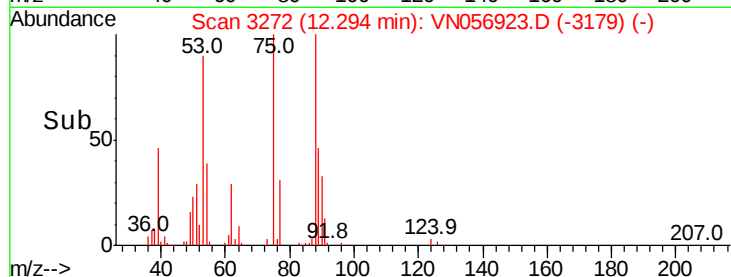
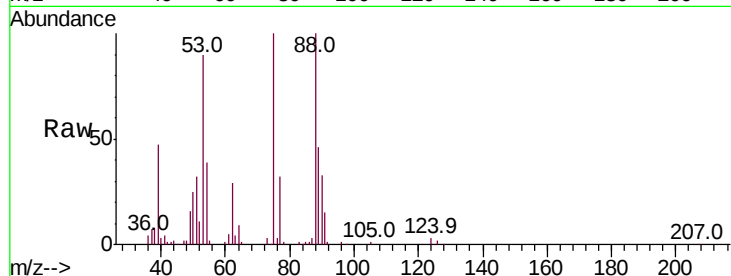
#81
trans-1,4-Dichloro-2-butene
Concen: 53.570 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	72.3	108.5
89	45.2	36.2	54.2

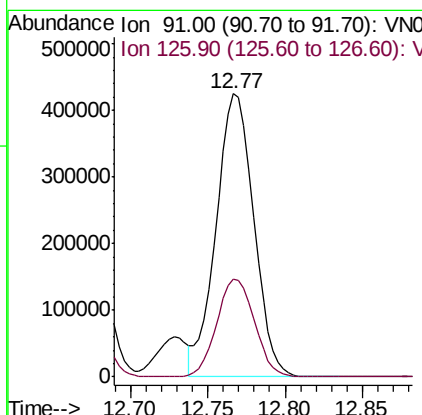
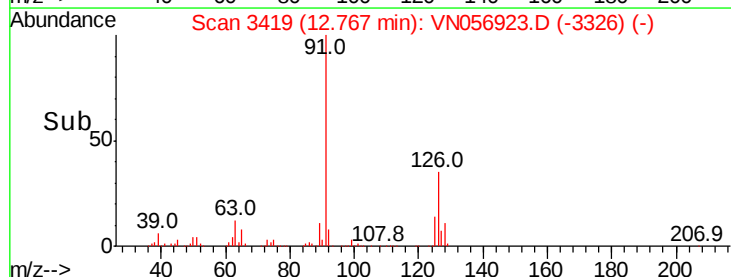
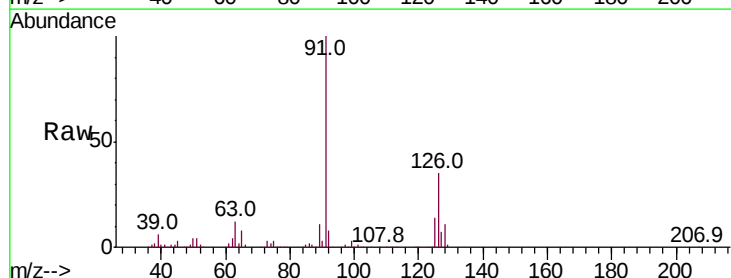
Manual Integrations
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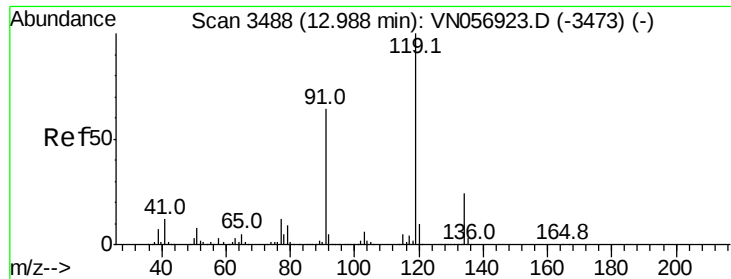
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#82
4-Chlorotoluene
Concen: 51.961 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





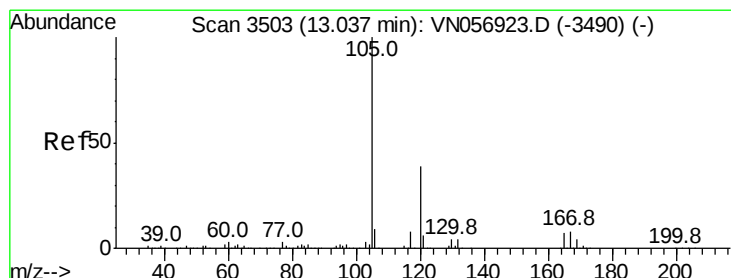
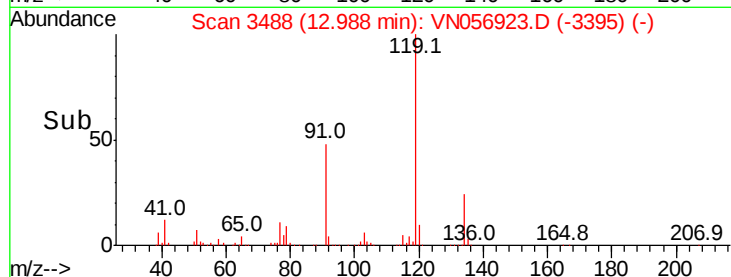
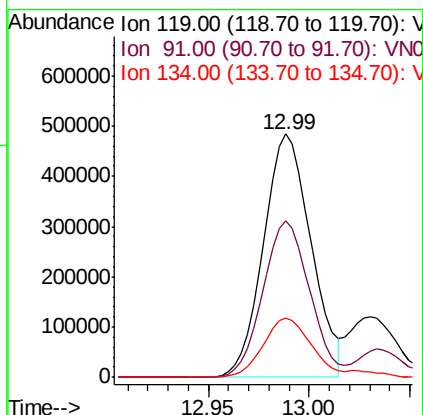
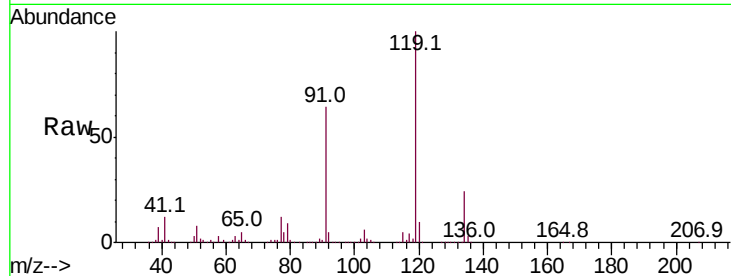
#83
tert-Butylbenzene
Concen: 47.775 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	95.0
134	26.3	13.2	39.5

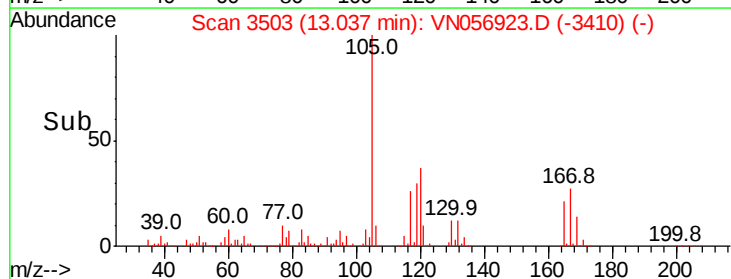
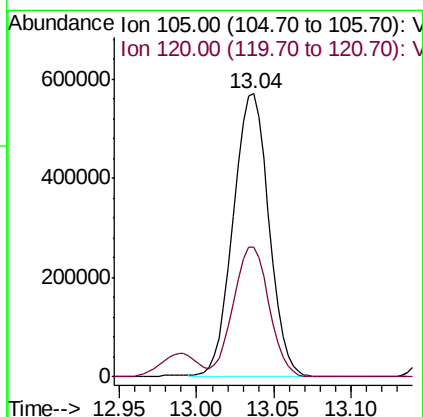
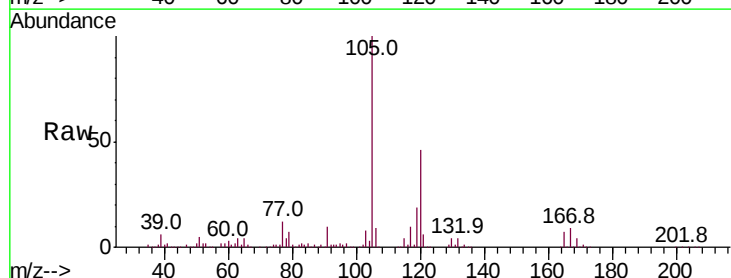
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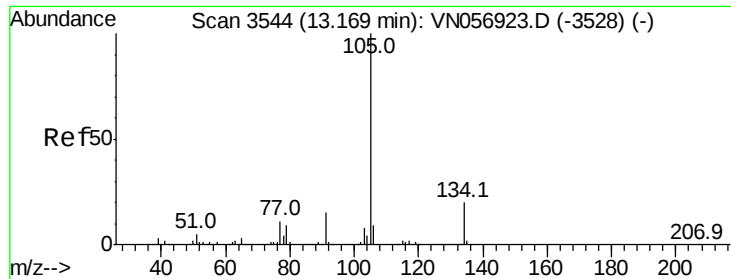
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#84
1,2,4-Trimethylbenzene
Concen: 51.104 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 50.409 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1061586

Ion Ratio Lower Upper

105 100

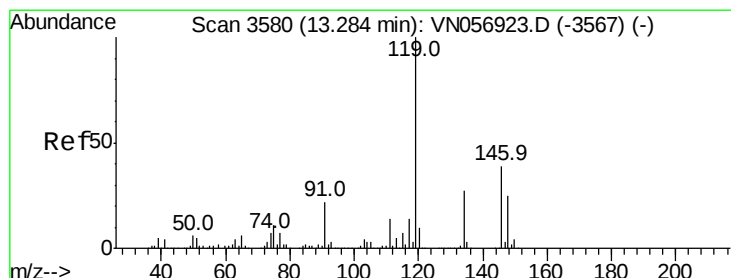
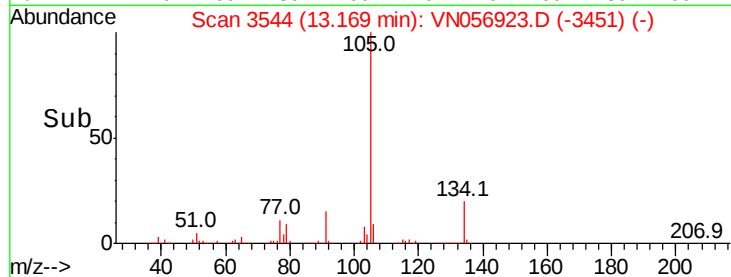
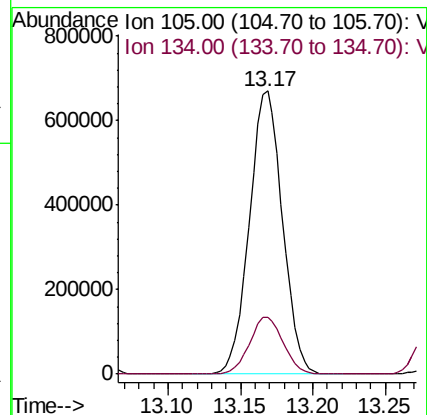
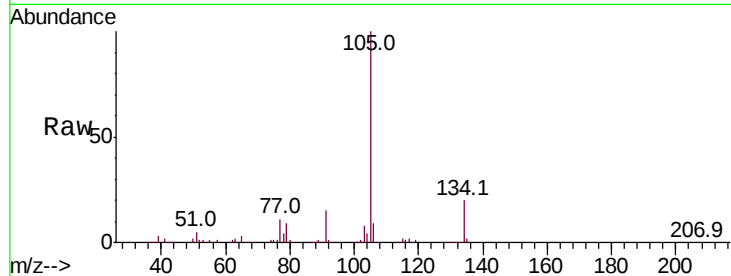
134 20.5 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.685 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056923.D

Acq: 25 Jul 2019 15:25

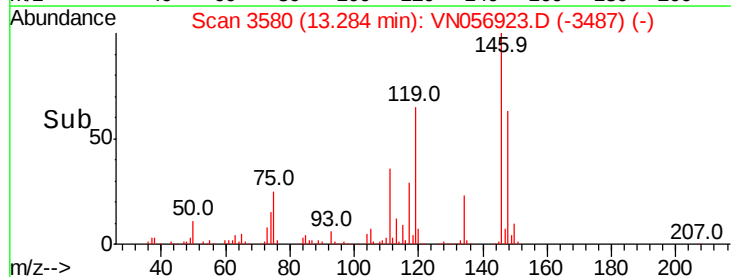
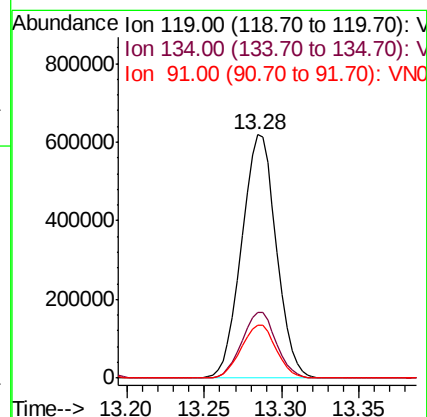
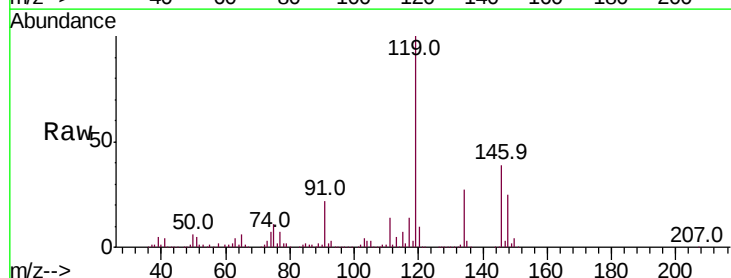
Tgt Ion:119 Resp: 961804

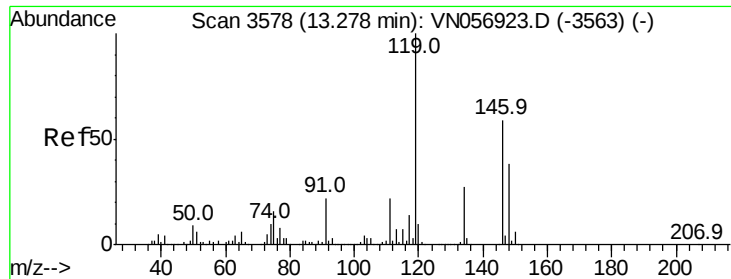
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.0 11.0 33.0





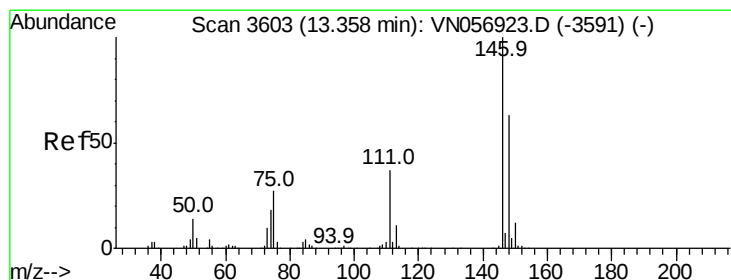
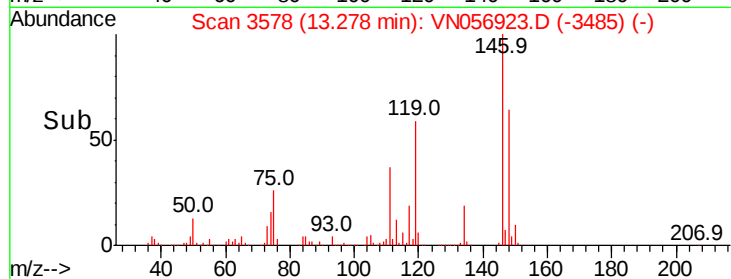
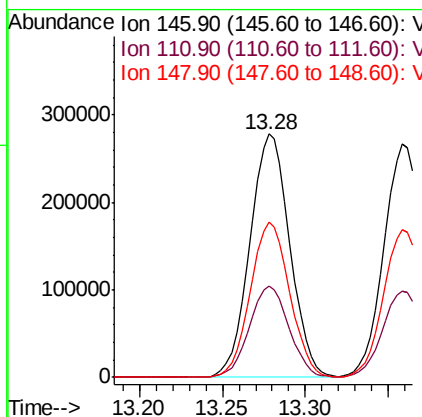
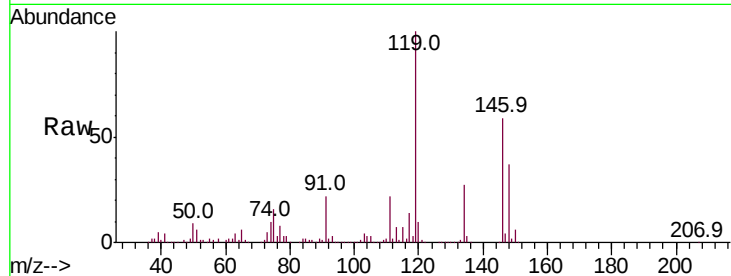
#87
 1,3-Dichlorobenzene
 Concen: 53.160 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	63.1	31.6	94.7

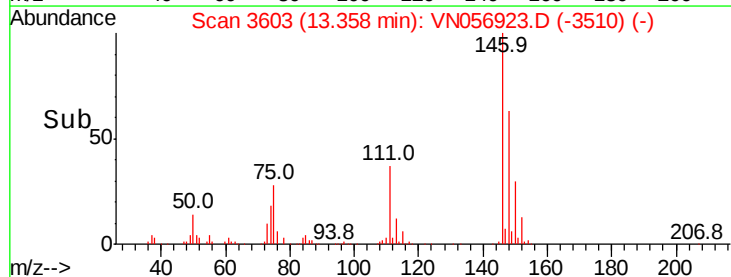
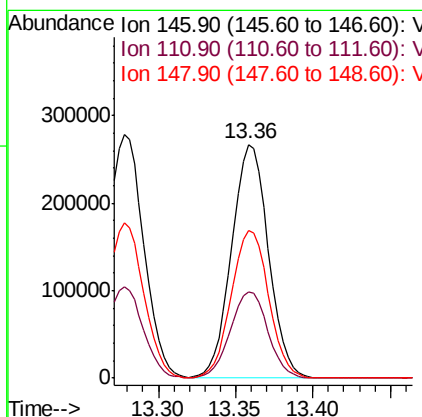
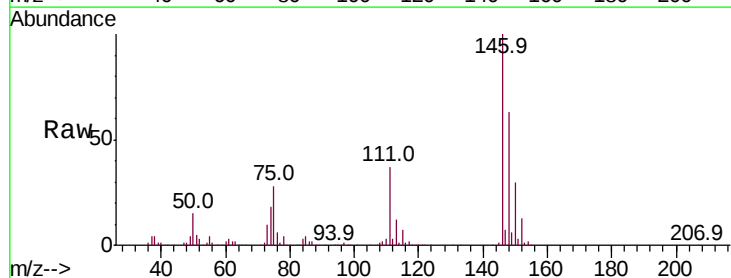
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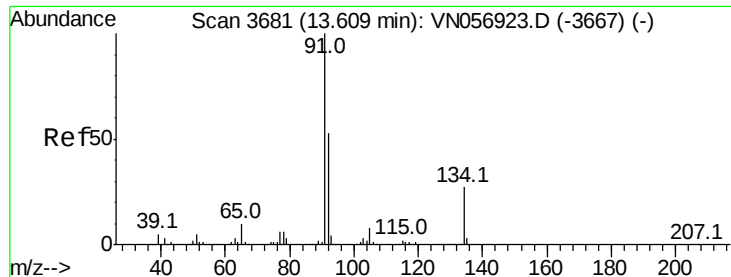
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#88
 1,4-Dichlorobenzene
 Concen: 52.668 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	64.2	32.1	96.3





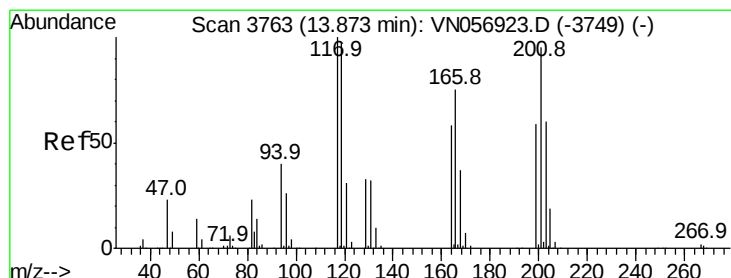
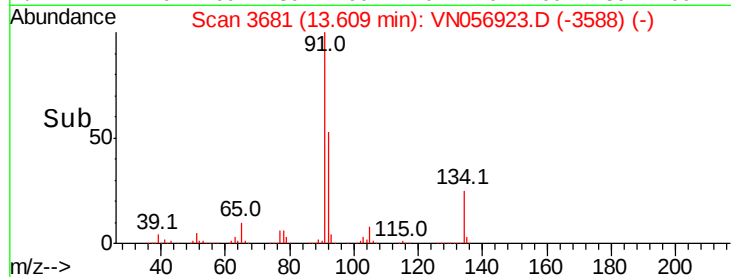
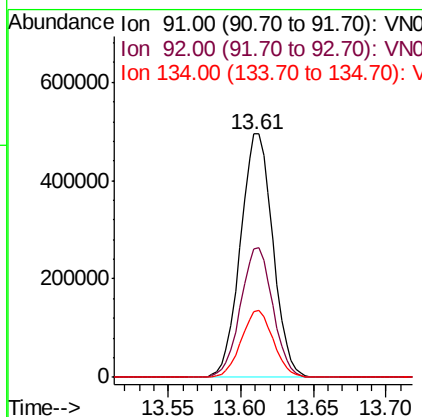
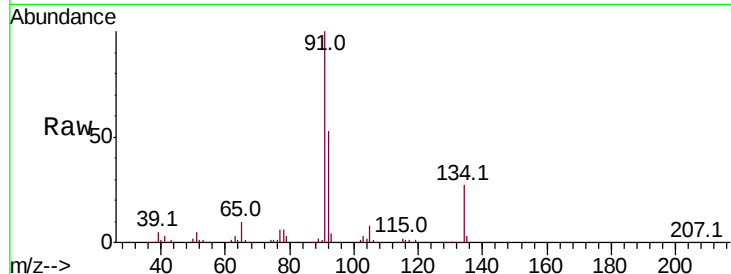
#89
n-Butylbenzene
Concen: 53.577 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	27.0	13.5	40.5

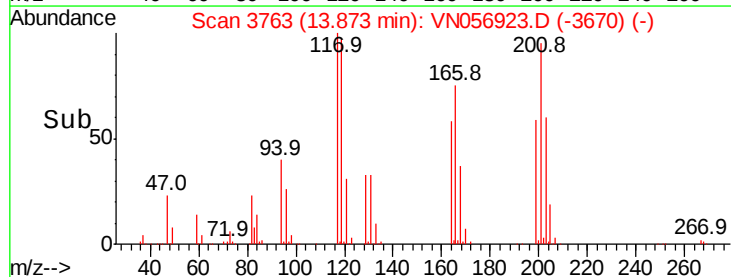
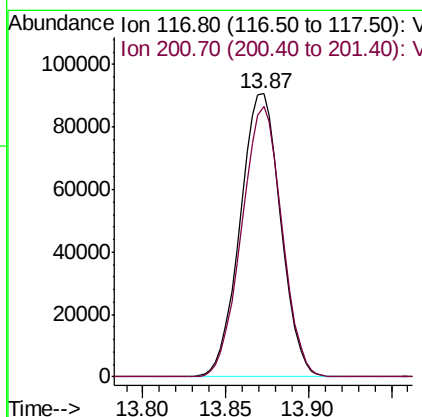
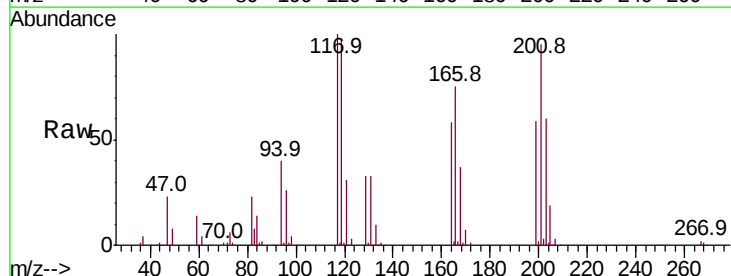
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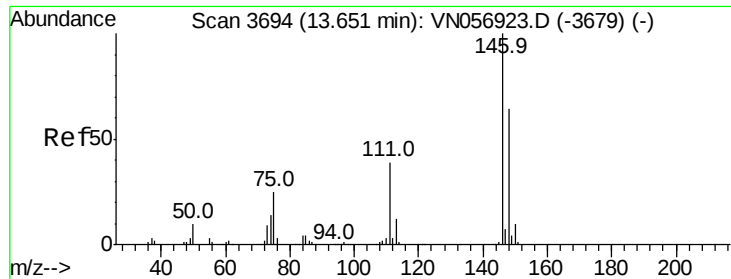
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#90
Hexachloroethane
Concen: 46.915 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	47.3	142.0





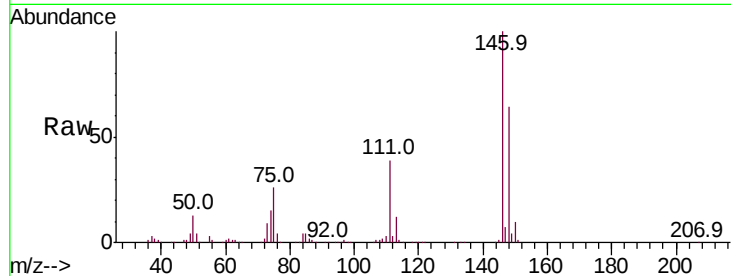
#91
1,2-Dichlorobenzene
Concen: 51.775 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

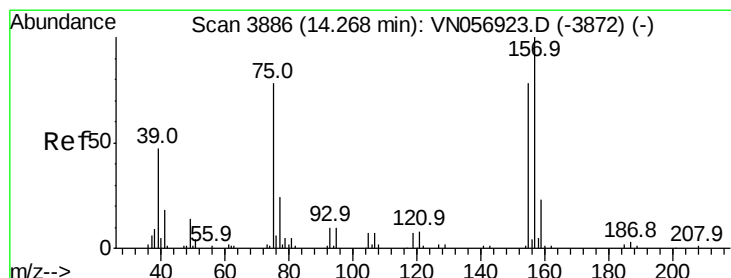
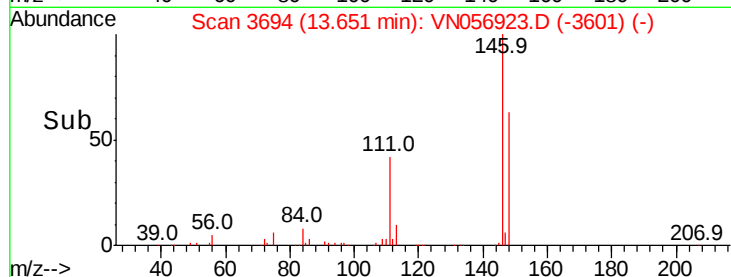
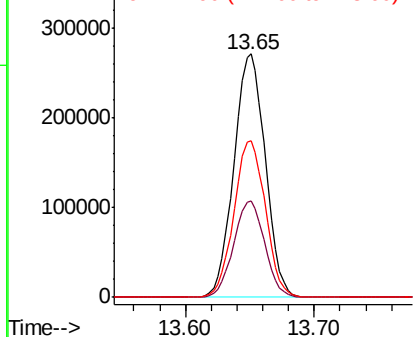
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.4	32.2	96.6

Manual Integrations
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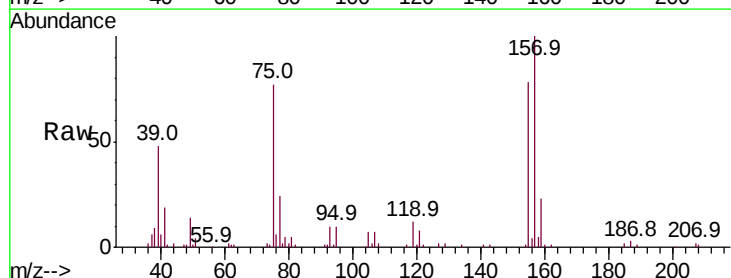


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

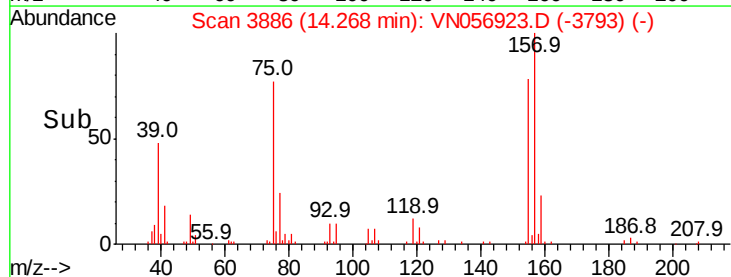
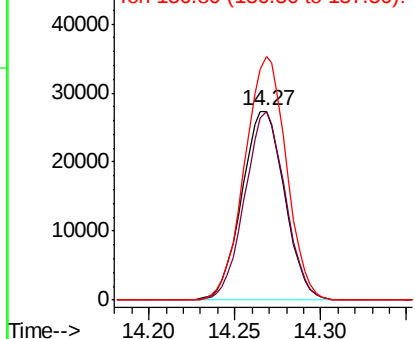


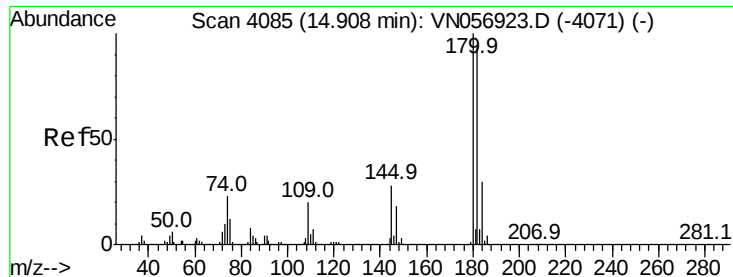
#92
1,2-Dibromo-3-Chloropropane
Concen: 52.237 ug/l
RT: 14.27 min Scan# 3886
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	47.3	141.9
157	126.0	63.0	189.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





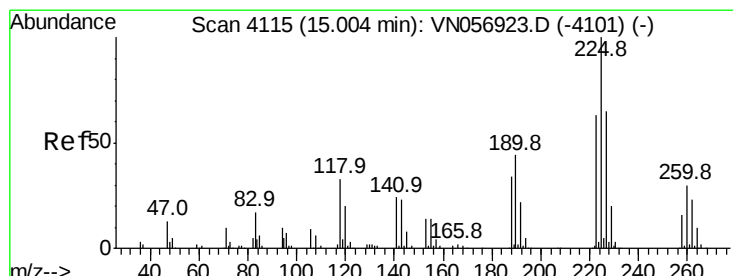
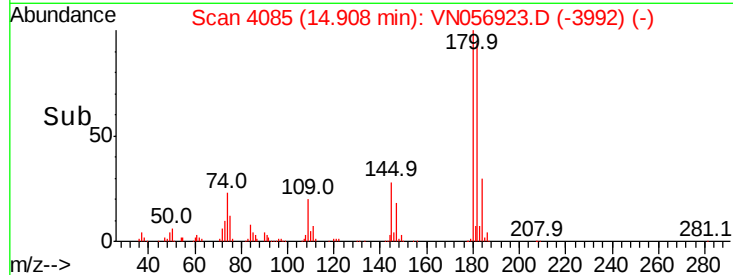
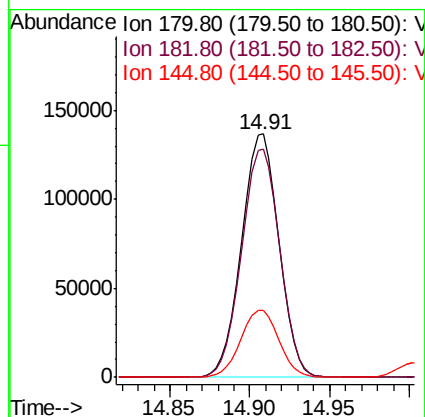
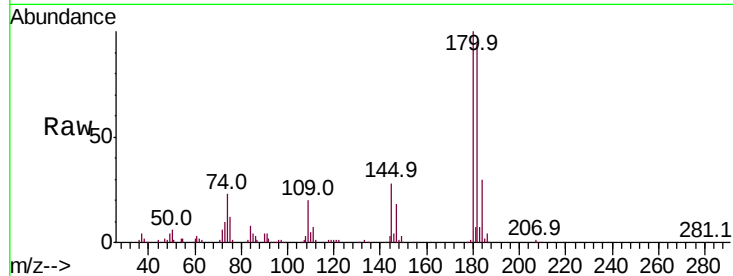
#93
 1,2,4-Trichlorobenzene
 Concen: 59.341 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	217314
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.8
145	28.3	14.1	42.4

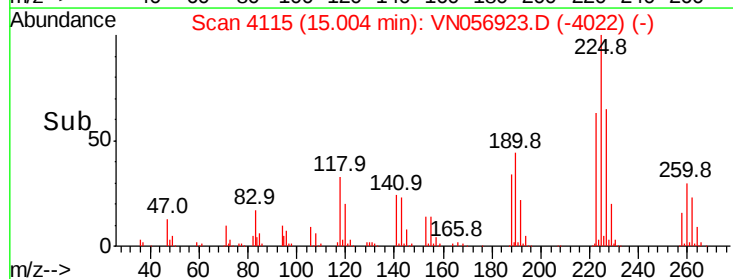
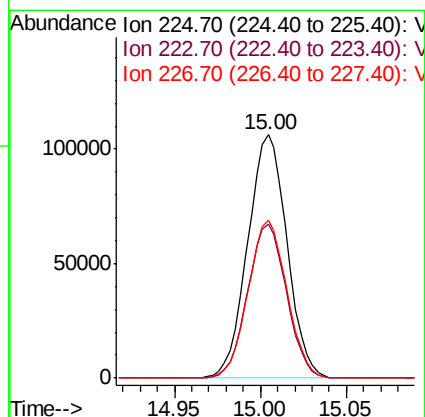
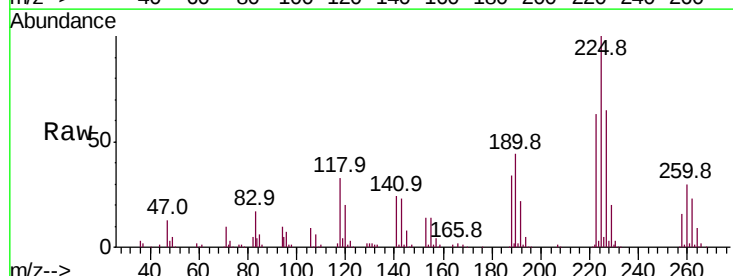
Manual Integrations
 APPROVED

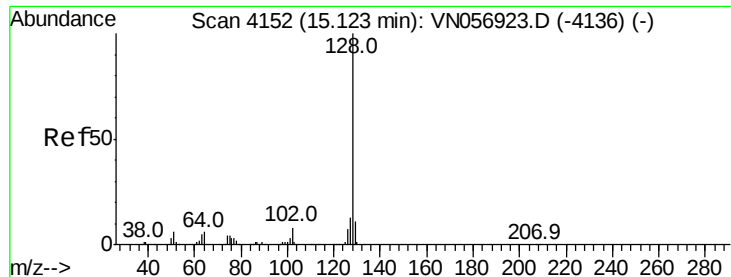
MMDadoda
 7/26/2019 3:36:54 PM



#94
 Hexachlorobutadiene
 Concen: 47.104 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056923.D
 Acq: 25 Jul 2019 15:25

Tgt Ion:	225	Resp:	168554
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.3	93.9
227	63.8	31.9	95.7





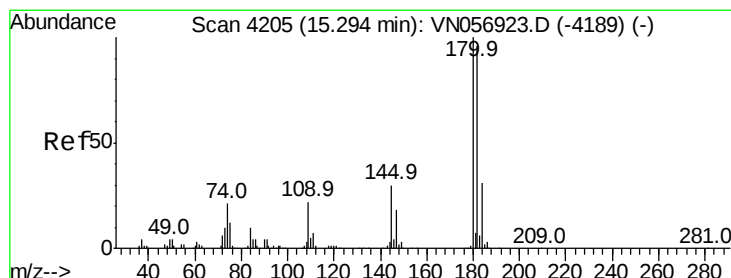
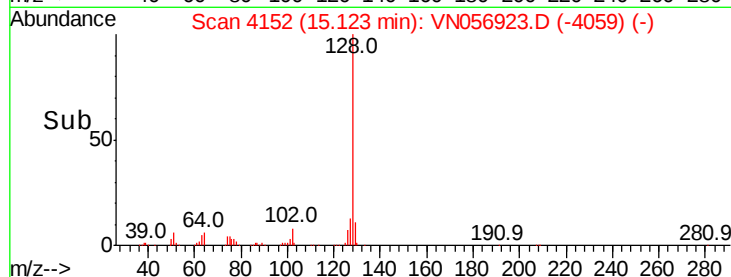
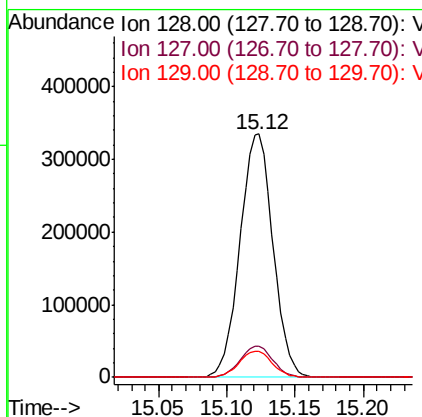
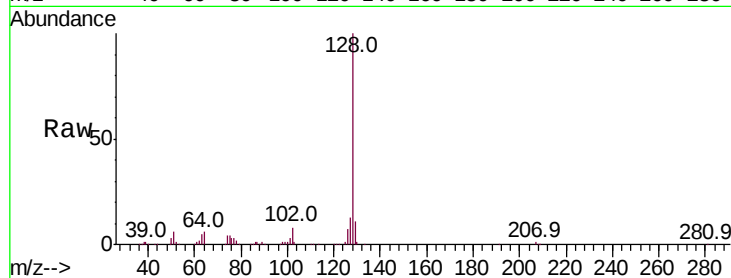
#95
Naphthalene
Concen: 60.598 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:36:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 58.879 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN056923.D
Acq: 25 Jul 2019 15:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.4	145.3
145	30.2	15.1	45.3

