

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058846.D
 Acq On : 18 Oct 2019 9:59
 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

MMDadoda
 10/21/2019 10:43:34 AM

Quant Time: Oct 19 00:07:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	419708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	672596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	631707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	307425	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.57	113	221491	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.08	98	867232	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.40	95	319057	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	260300	49.900	ug/l	100
3) Chloromethane	2.04	50	315410	50.288	ug/l	100
4) Vinyl Chloride	2.17	62	318478	51.033	ug/l	100
5) Bromomethane	2.54	94	199785	52.007	ug/l	100
6) Chloroethane	2.68	64	200267	51.744	ug/l	100
7) Trichlorofluoromethane	3.00	101	400673	52.925	ug/l	100
8) Diethyl Ether	3.39	74	133100	48.625	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	212182	49.832	ug/l	100
10) Methyl Iodide	3.93	142	290077	50.298	ug/l	100
11) Tert butyl alcohol	4.75	59	246918	255.028	ug/l	100
12) 1,1-Dichloroethene	3.71	96	203967	50.381	ug/l	100
13) Acrolein	3.58	56	181048	237.969	ug/l	100
14) Allyl chloride	4.30	41	418439	50.981	ug/l	100
15) Acrylonitrile	4.96	53	662054	271.554	ug/l	100
16) Acetone	3.79	43	799326	311.938	ug/l	100
17) Carbon Disulfide	4.03	76	659529	50.644	ug/l	100
18) Methyl Acetate	4.30	43	326945	52.259	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	741122	51.303	ug/l	100
20) Methylene Chloride	4.53	84	241473	47.280	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	227715	50.323	ug/l	100
22) Diisopropyl ether	5.92	45	846010	52.906	ug/l	100
23) Vinyl Acetate	5.87	43	3649258	282.732	ug/l	100
24) 1,1-Dichloroethane	5.82	63	462499	51.013	ug/l	100
25) 2-Butanone	6.81	43	1028315	284.354	ug/l	100
26) 2,2-Dichloropropane	6.80	77	405829	49.089	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	263482	49.817	ug/l	100
28) Bromochloromethane	7.17	49	157530	50.032	ug/l	100
29) Tetrahydrofuran	7.19	42	632583	273.314	ug/l	100
30) Chloroform	7.35	83	460816	50.437	ug/l	100
31) Cyclohexane	7.63	56	432066	49.668	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	403241	51.908	ug/l	100
36) 1,1-Dichloropropene	7.77	75	355593	51.773	ug/l	100
37) Ethyl Acetate	6.90	43	397152	56.550	ug/l	100
38) Carbon Tetrachloride	7.75	117	353485	52.819	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	408861	51.577	ug/l	100
40) Benzene	8.02	78	1033801	52.295	ug/l	100
41) Methacrylonitrile	7.16	41	163586m	51.335	ug/l	
42) 1,2-Dichloroethane	8.11	62	390274	51.453	ug/l	100
43) Isopropyl Acetate	8.15	43	623613	52.531	ug/l	100
44) Trichloroethene	8.82	130	247826	50.760	ug/l	100
45) 1,2-Dichloropropane	9.11	63	281455	53.110	ug/l	100
46) Dibromomethane	9.20	93	175858	52.520	ug/l	100
47) Bromodichloromethane	9.39	83	366140	53.584	ug/l	100
48) Methyl methacrylate	9.19	41	294984	54.660	ug/l	100
49) 1,4-Dioxane	9.19	88	91719	1092.322	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1963817	292.580	ug/l	100
52) Toluene	10.15	92	634562	52.593	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	419090	53.516	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	449673	54.001	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	245516	49.684	ug/l	100
56) Ethyl methacrylate	10.42	69	398158	55.151	ug/l	100
57) 1,3-Dichloropropane	10.70	76	444244	52.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	861950	252.438	ug/l	100
59) 2-Hexanone	10.75	43	1529670	293.991	ug/l	100
60) Dibromochloromethane	10.90	129	273683	53.640	ug/l	100
61) 1,2-Dibromoethane	11.00	107	260157	52.520	ug/l	100
64) Tetrachloroethene	10.63	164	222691	50.079	ug/l	100
65) Chlorobenzene	11.43	112	658162	51.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	247579	51.839	ug/l	100
67) Ethyl Benzene	11.51	91	1234443	53.681	ug/l	100
68) m/p-Xylenes	11.62	106	917522	106.356	ug/l	100
69) o-Xylene	11.95	106	431405	51.745	ug/l	100
70) Styrene	11.97	104	725669	53.133	ug/l	100
71) Bromoform	12.13	173	193863	55.009	ug/l #	100
73) Isopropylbenzene	12.25	105	1182419	52.434	ug/l	100
74) N-amyl acetate	12.07	43	562616	55.090	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	393606	52.561	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	343703m	49.407	ug/l	
77) Bromobenzene	12.53	156	278776	50.731	ug/l	100
78) n-propylbenzene	12.59	91	1421574	54.026	ug/l	100
79) 2-Chlorotoluene	12.68	91	829694	50.815	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1023351	53.155	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	142092	54.824	ug/l	100
82) 4-Chlorotoluene	12.78	91	867556	51.802	ug/l	100
83) tert-Butylbenzene	13.00	119	852055	51.674	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1032383	53.943	ug/l	100
85) sec-Butylbenzene	13.17	105	1173229	53.942	ug/l	100
86) p-Isopropyltoluene	13.29	119	1057234	53.619	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	509080	50.407	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	508416	49.446	ug/l	100
89) n-Butylbenzene	13.62	91	967143	53.033	ug/l	100
90) Hexachloroethane	13.88	117	192978	54.152	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	503547	51.051	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87403	49.833	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	297467	49.895	ug/l	100
94) Hexachlorobutadiene	15.01	225	159492	50.338	ug/l	100
95) Naphthalene	15.13	128	864836	50.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	288143	49.402	ug/l	100

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

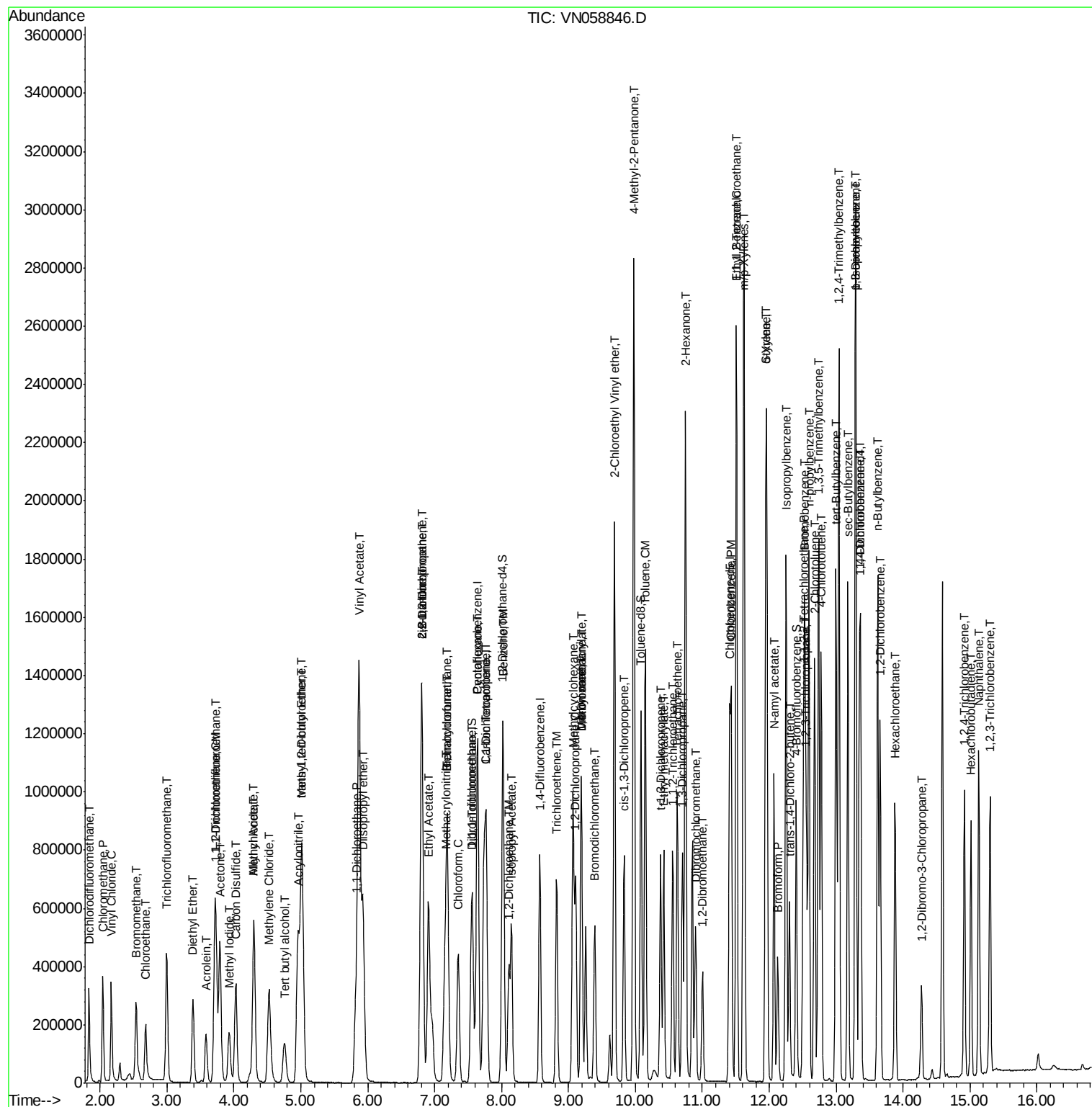
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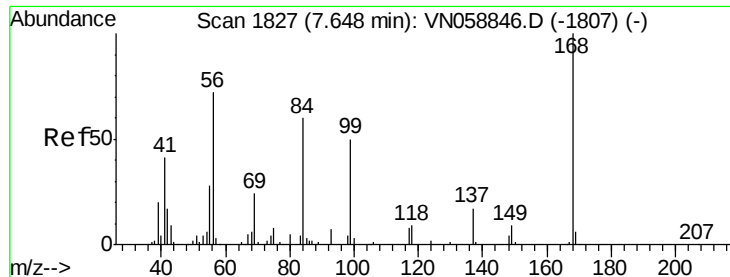
Instrument :
MSVOA_N
Client Sampled :
VSTDICCC050

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 419708

Ion Ratio Lower Upper

168 100

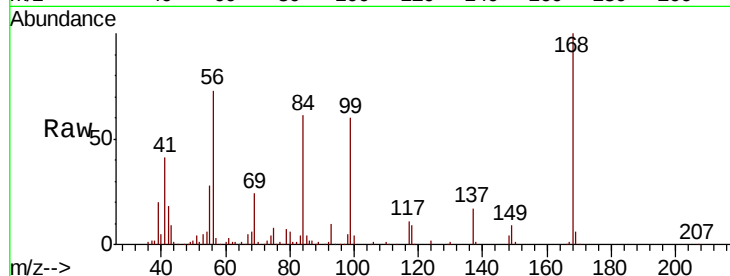
99 60.1 48.1 72.1

Manual Integrations

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10/21/2019 10:43:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

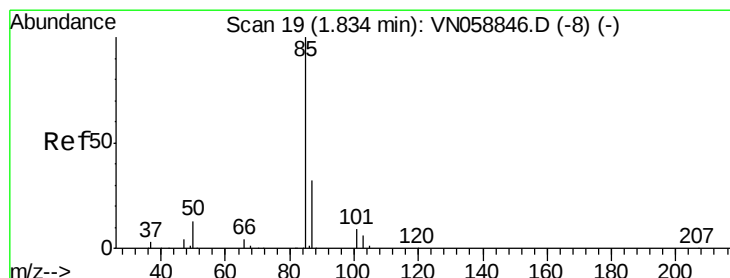
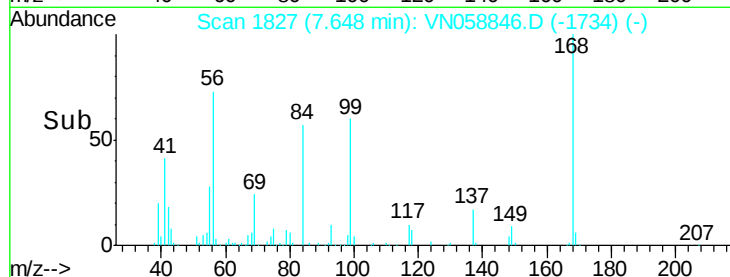
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.900 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058846.D

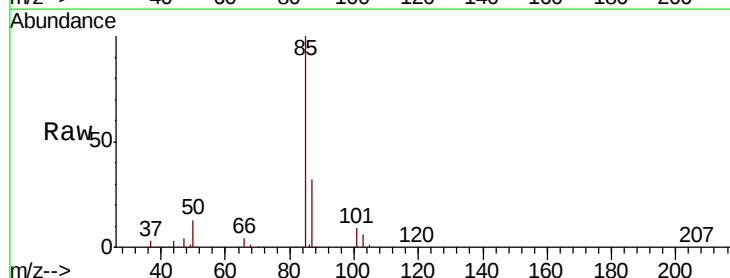
Acq: 18 Oct 2019 9:59

Tgt Ion: 85 Resp: 260300

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

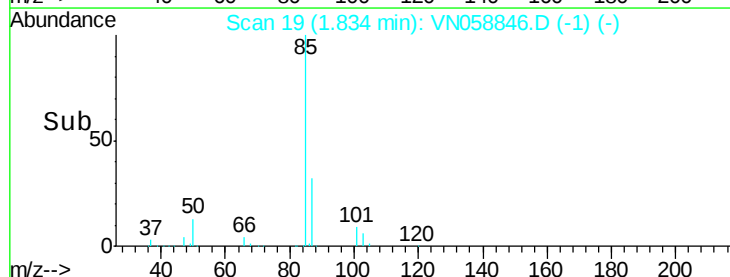
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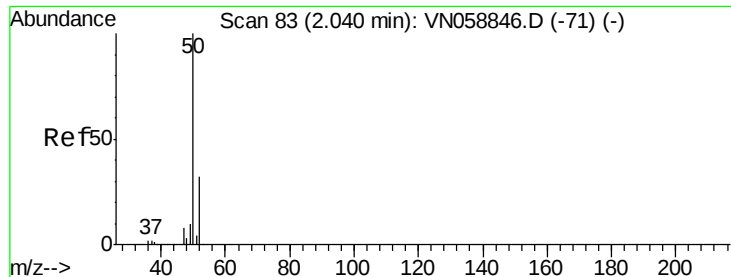
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.288 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 315410

Ion Ratio Lower Upper

50 100

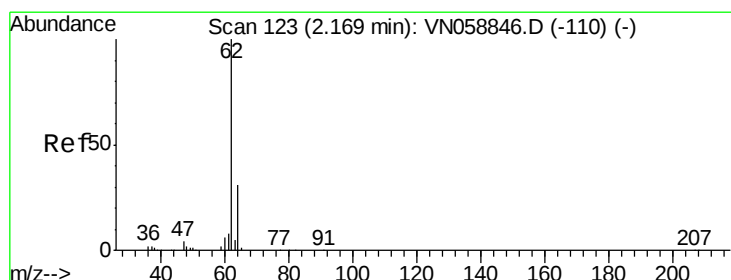
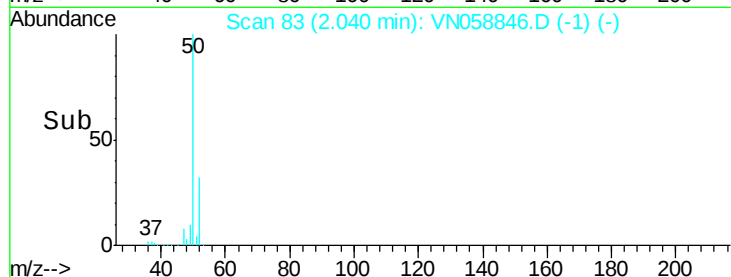
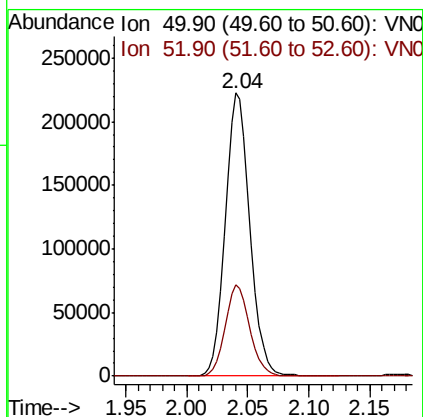
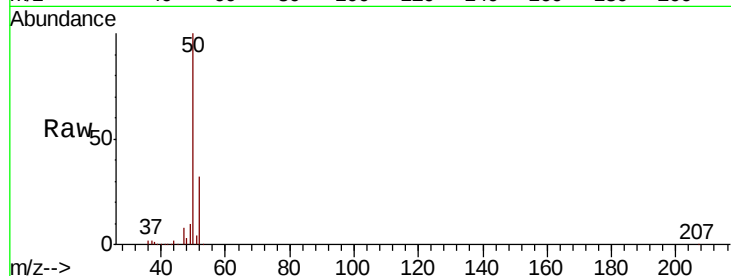
52 32.1 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.033 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058846.D

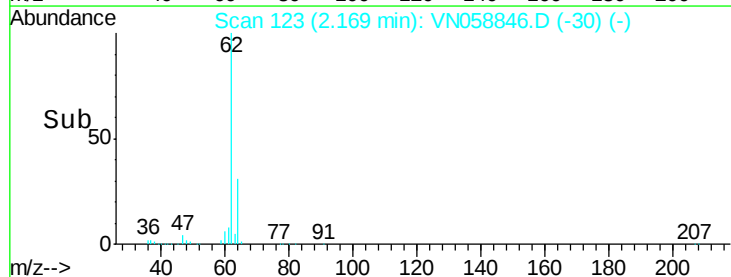
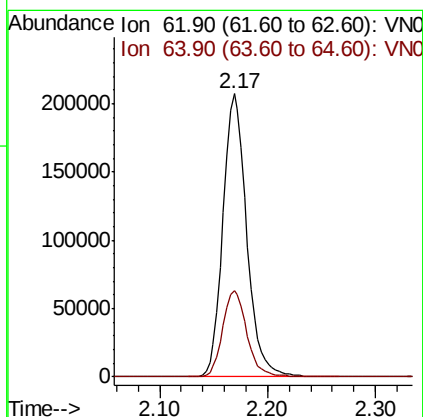
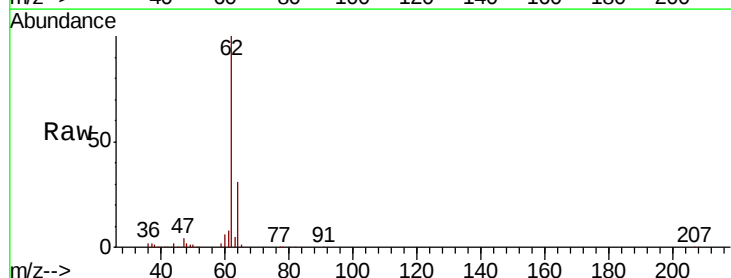
Acq: 18 Oct 2019 9:59

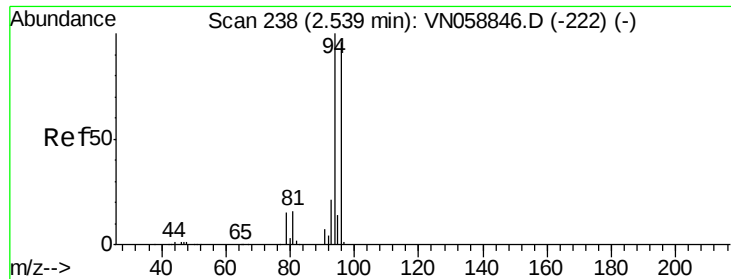
Tgt Ion: 62 Resp: 318478

Ion Ratio Lower Upper

62 100

64 30.7 24.6 36.8





#5

Bromomethane

Concen: 52.007 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 199785

Ion Ratio Lower Upper

94 100

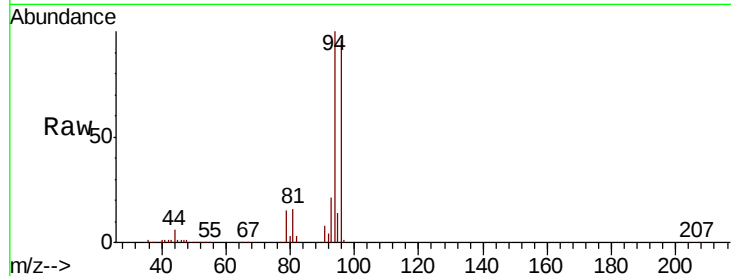
96 96.3 77.0 115.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

100000

80000

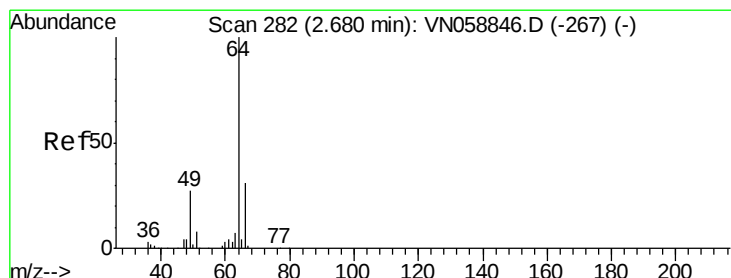
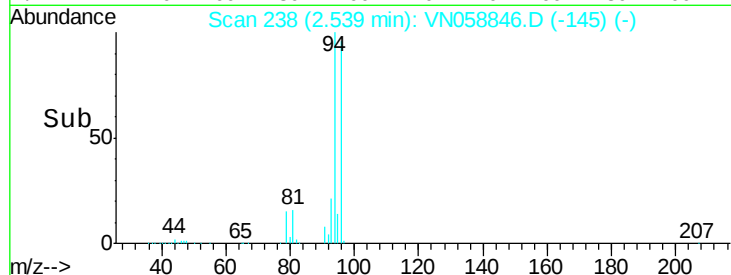
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.744 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058846.D

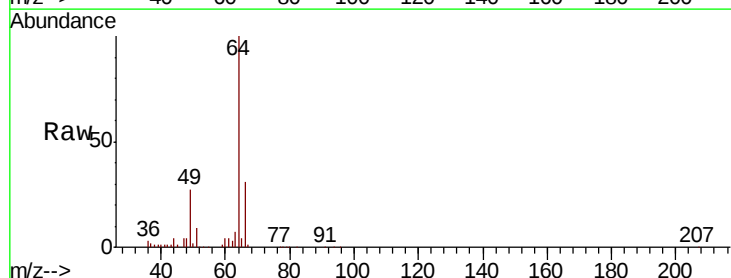
Acq: 18 Oct 2019 9:59

Tgt Ion: 64 Resp: 200267

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

100000

80000

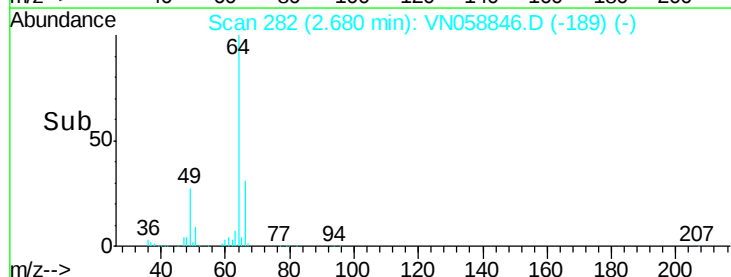
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Time-->





#7

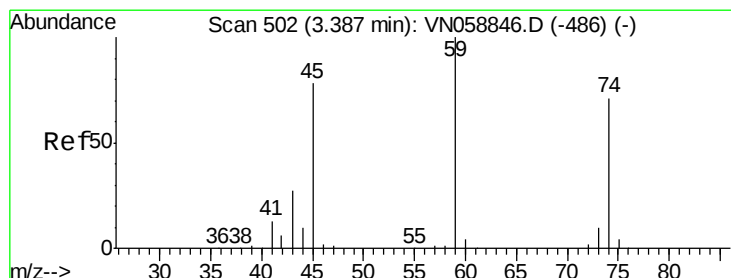
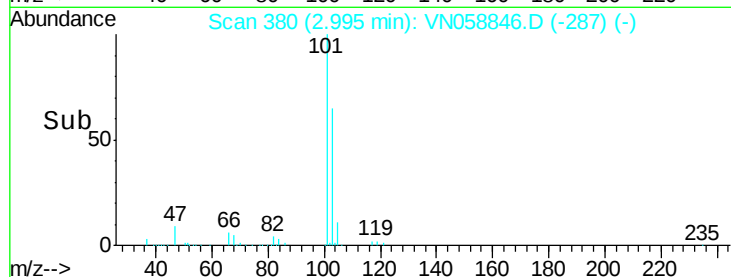
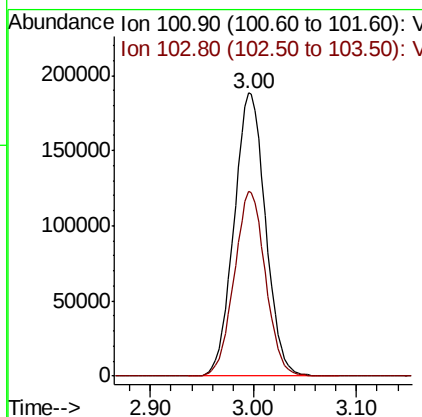
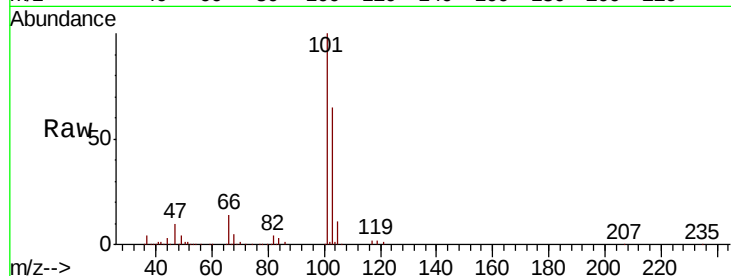
Trichlorofluoromethane
Concen: 52.925 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
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VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	400673		
103	65.2		52.2	78.2

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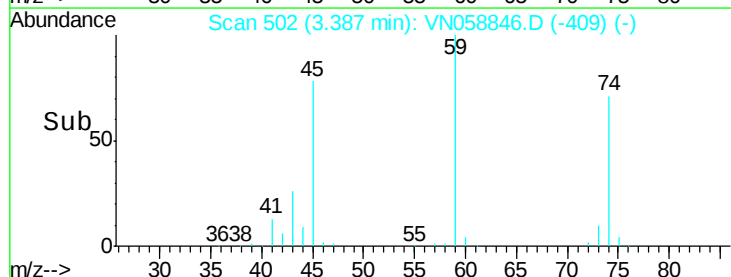
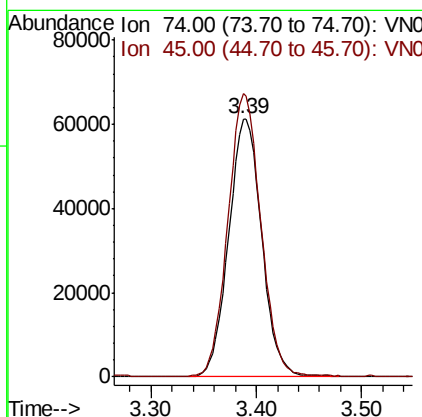
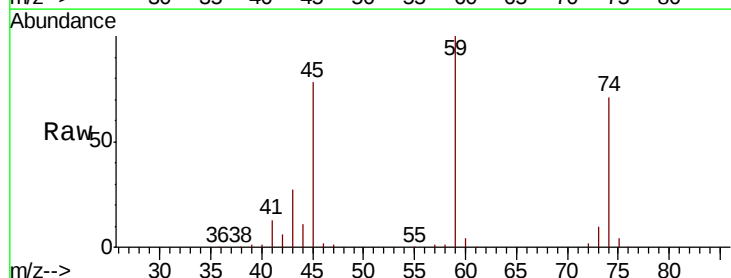
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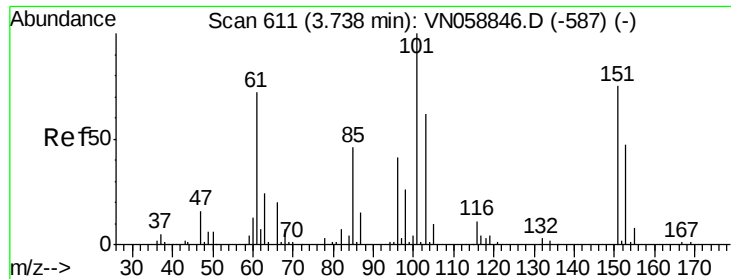


#8

Diethyl Ether
Concen: 48.625 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	133100		
45	109.7		54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.832 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

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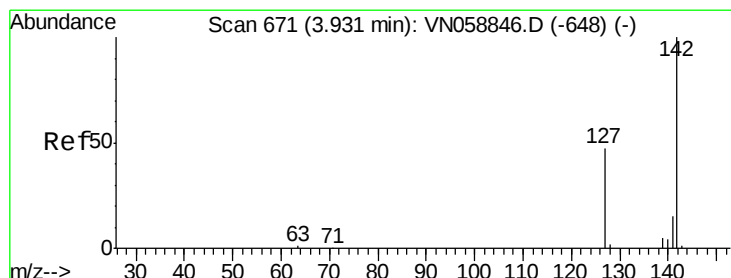
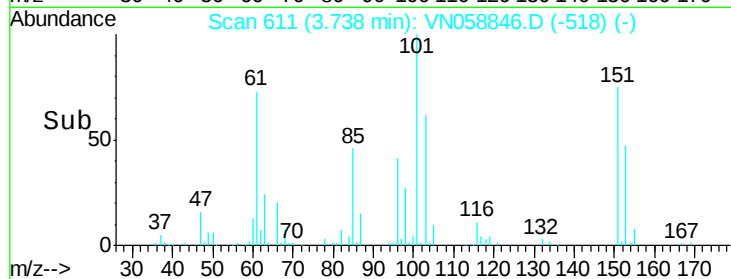
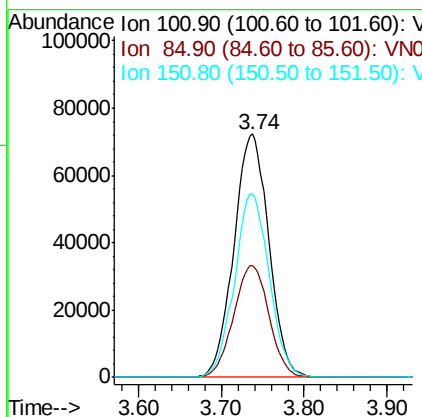
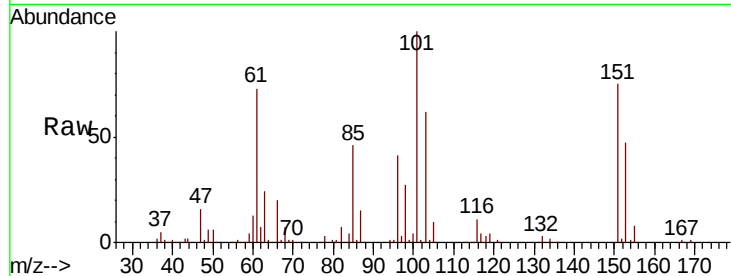
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	212182
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.2	55.8
151	74.9	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 50.298 ug/l

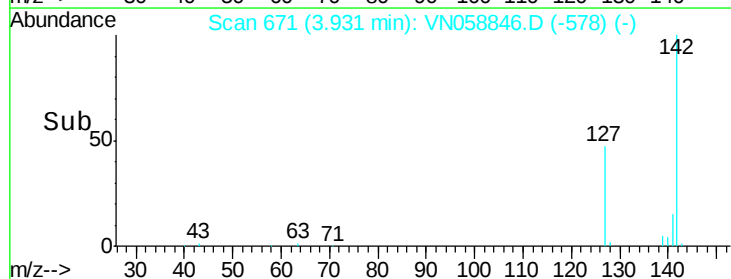
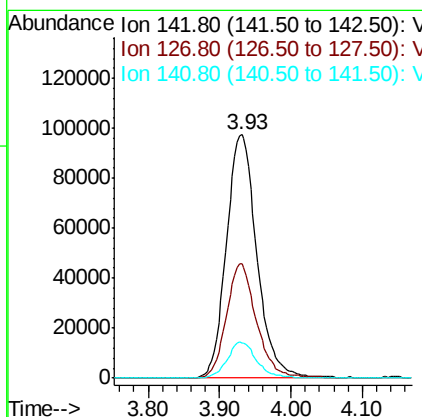
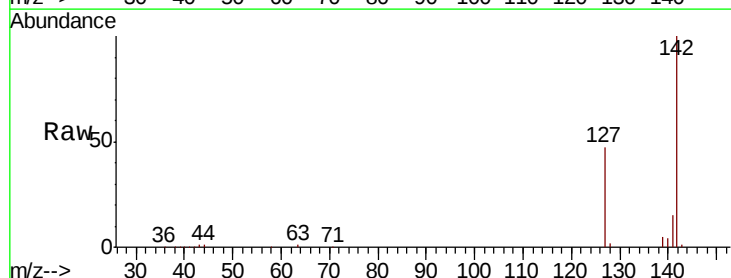
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion:	142	Resp:	290077
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.6	54.8
141	14.3	11.4	17.2





#11

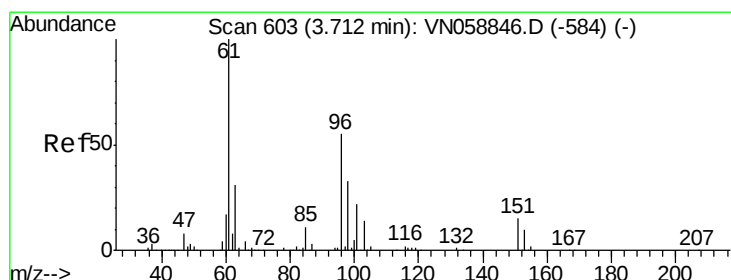
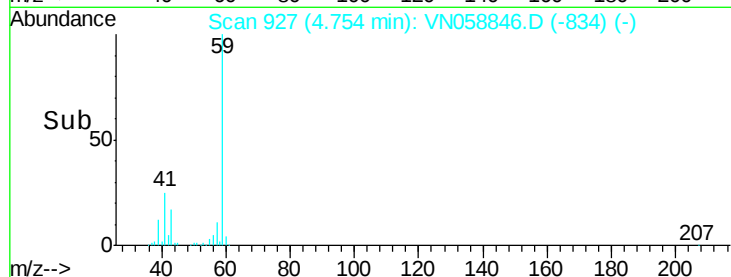
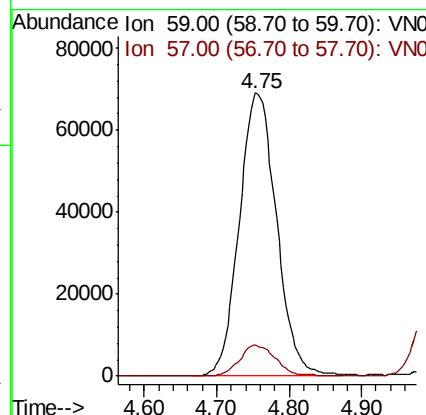
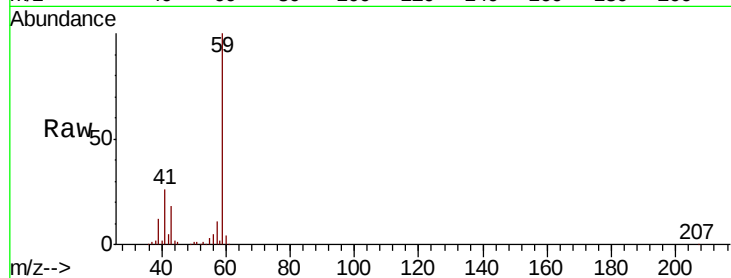
Tert butyl alcohol
 Concen: 255.028 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	246918		
57	10.7		8.6	12.8

Manual Integrations
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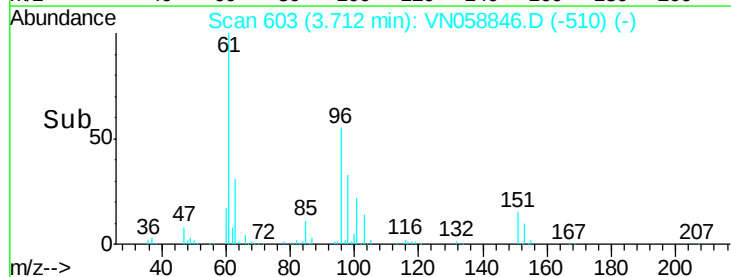
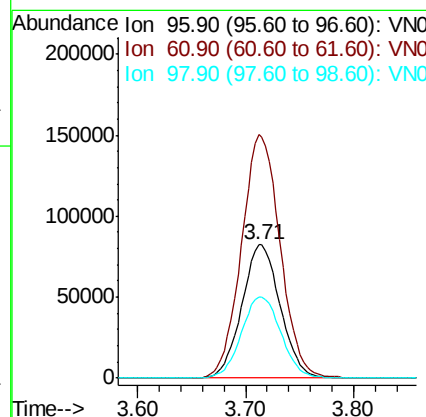
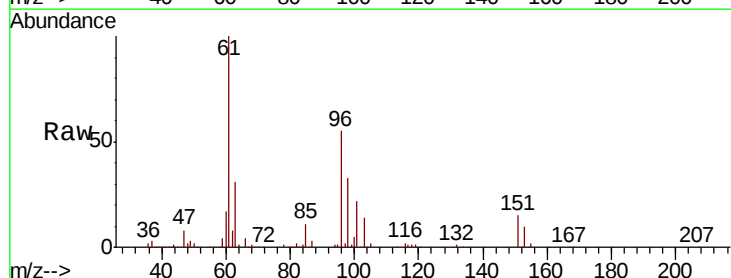
MMDadoda
 10/21/2019 10:43:34 AM

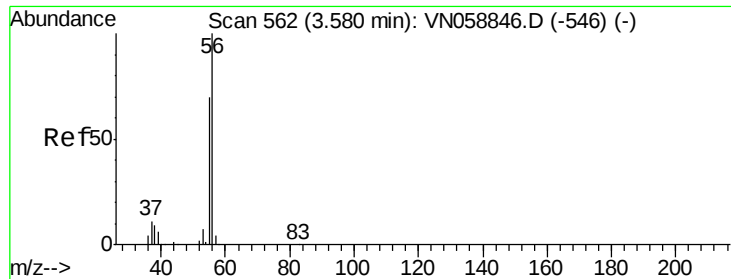


#12

1,1-Dichloroethene
 Concen: 50.381 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	203967		
61	182.7		146.2	219.2
98	60.9		48.7	73.1





#13

Acrolein

Concen: 237.969 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 181048

Ion Ratio Lower Upper

56 100

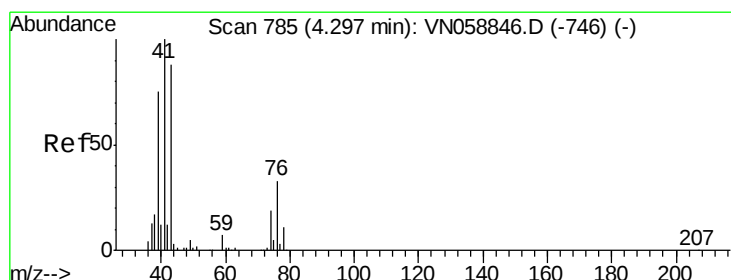
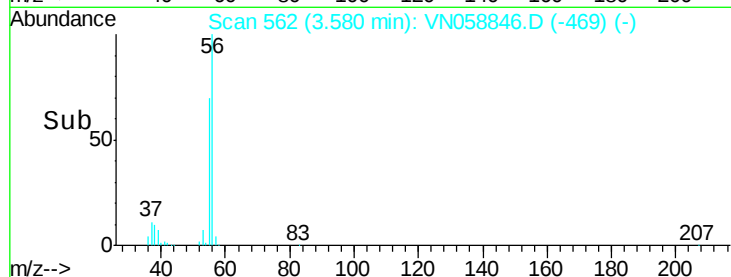
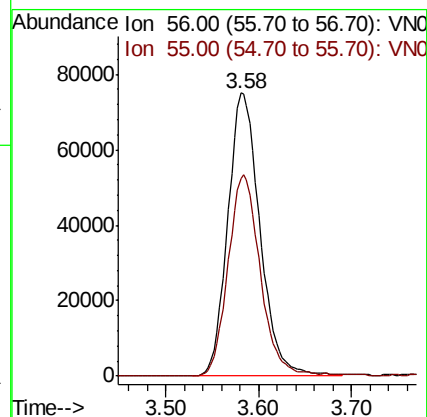
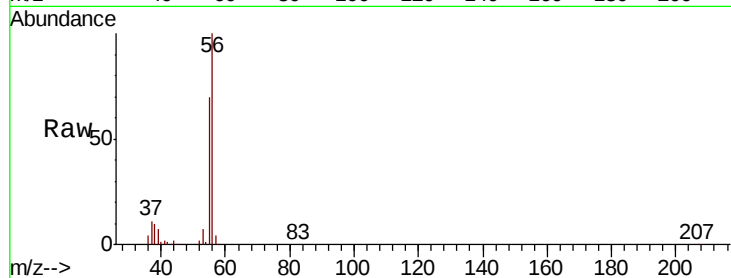
55 70.8 56.6 85.0

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 50.981 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

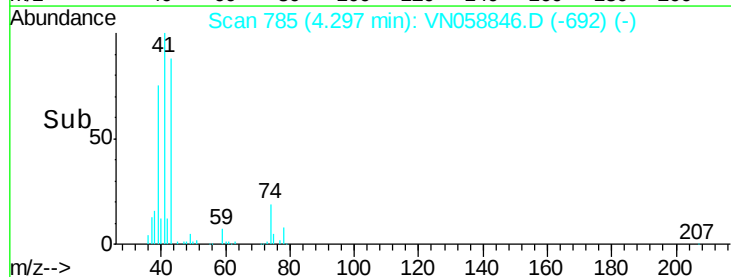
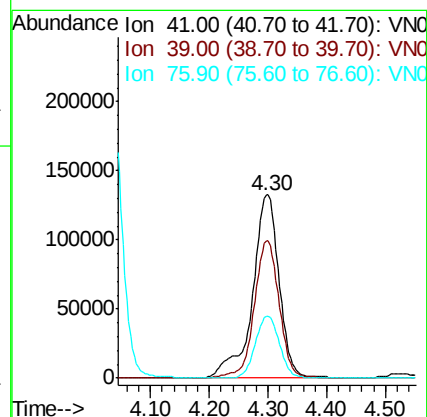
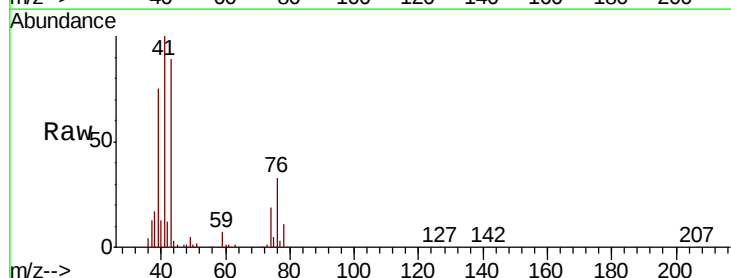
Tgt Ion: 41 Resp: 418439

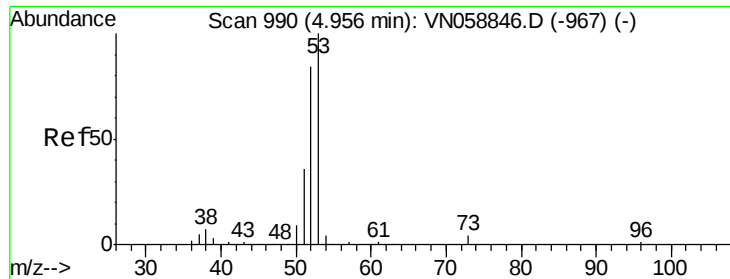
Ion Ratio Lower Upper

41 100

39 69.9 55.9 83.9

76 30.1 24.1 36.1





#15

Acrylonitrile

Concen: 271.554 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

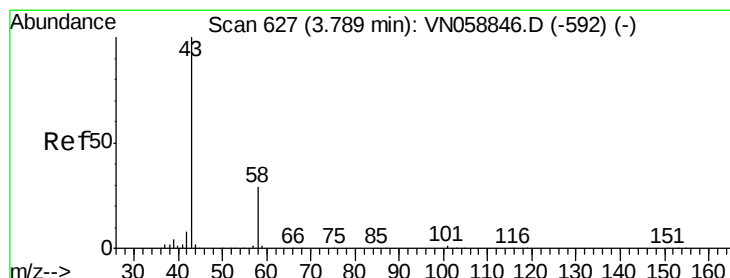
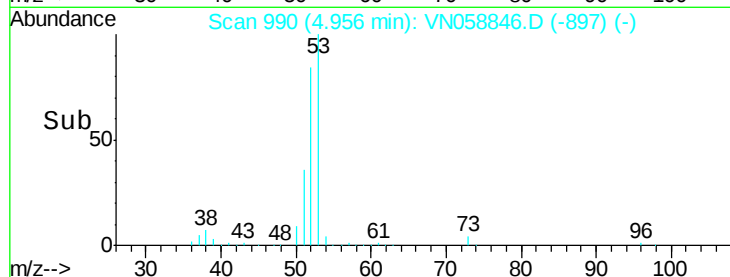
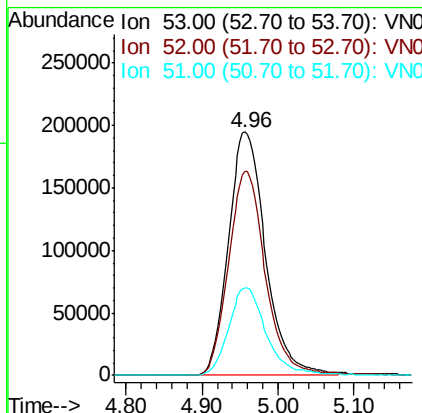
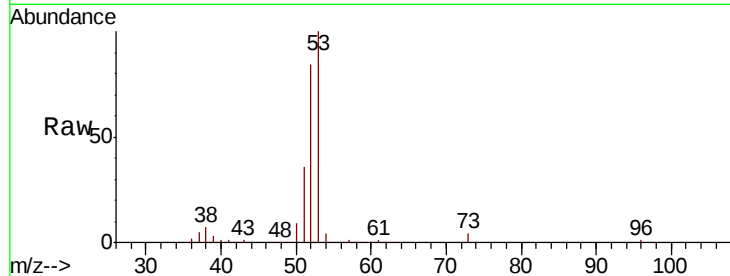
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	662054
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	99.8
51	36.5	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 311.938 ug/l

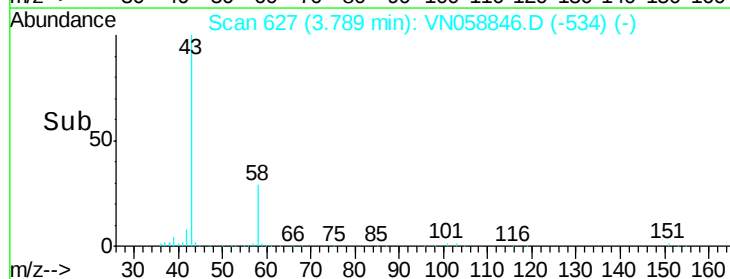
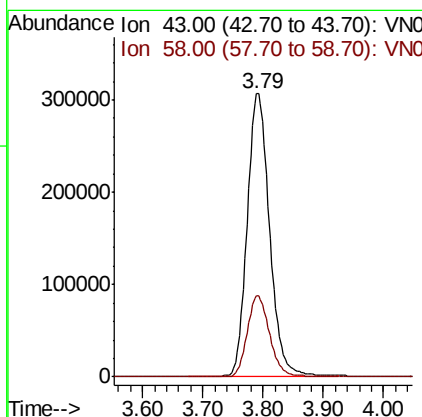
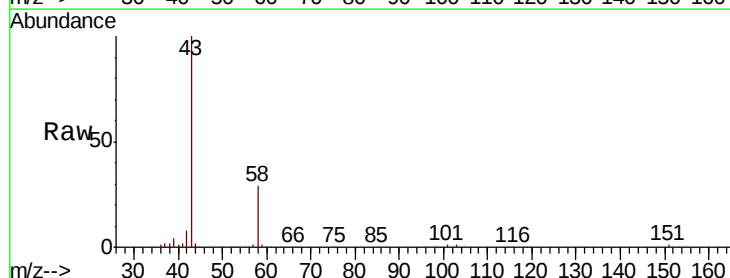
RT: 3.79 min Scan# 627

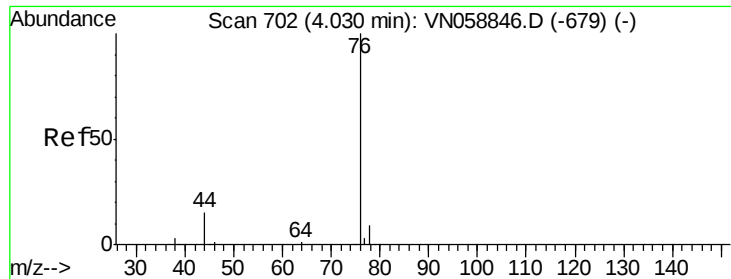
Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion:	43	Resp:	799326
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.1	34.7





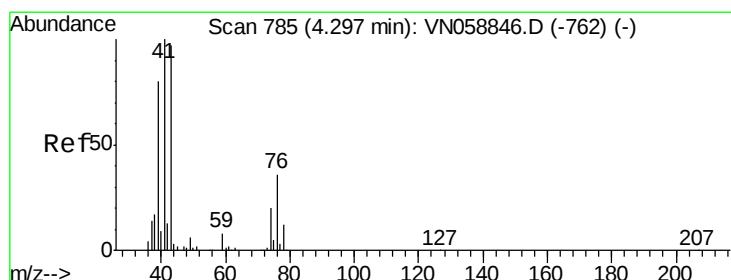
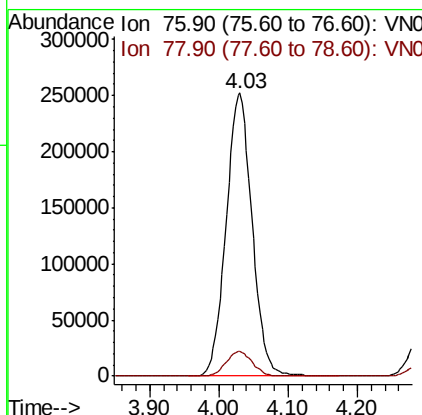
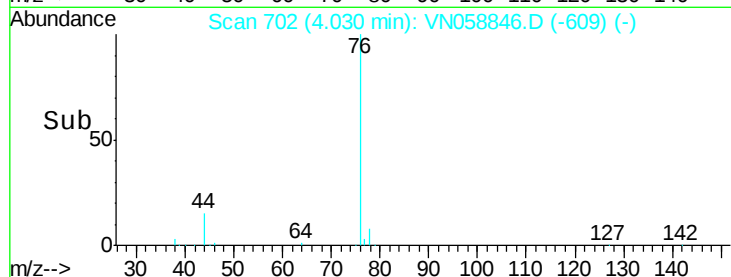
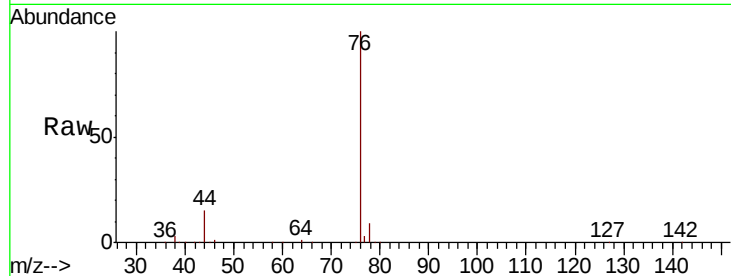
#17
Carbon Disulfide
Concen: 50.644 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

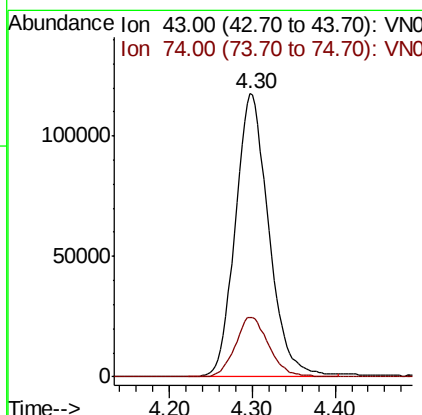
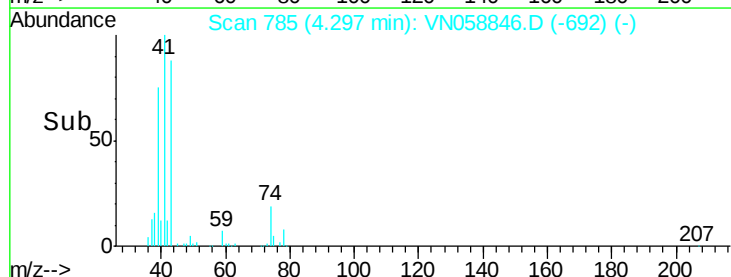
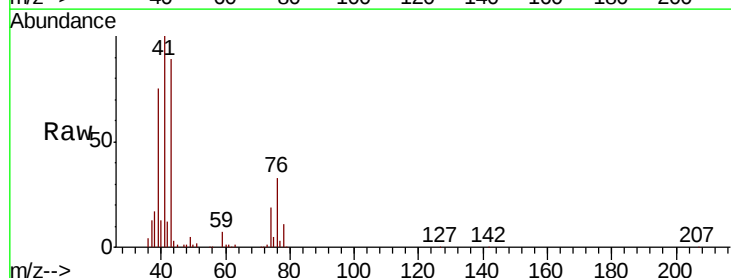
Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:34 AM



#18
Methyl Acetate
Concen: 52.259 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.1	25.7





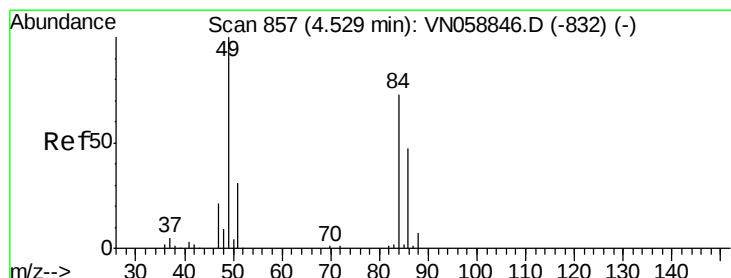
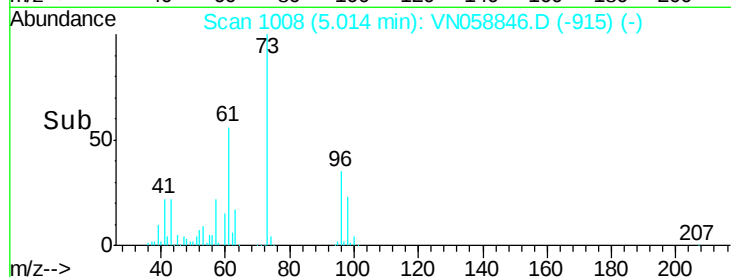
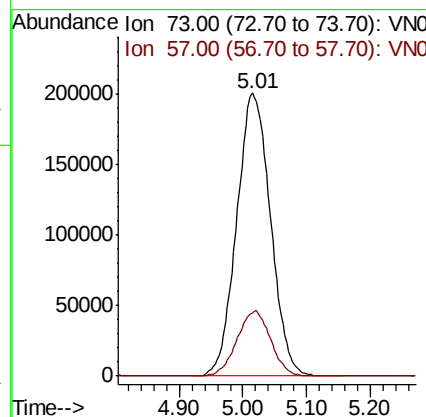
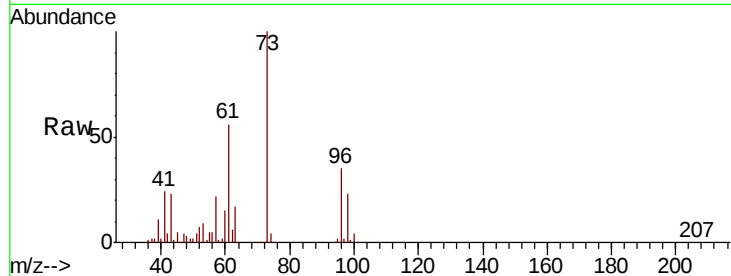
#19
Methvl tert-butvl Ether
Concen: 51.303 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 741122
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

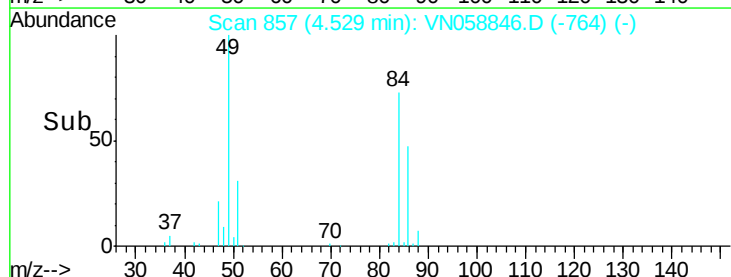
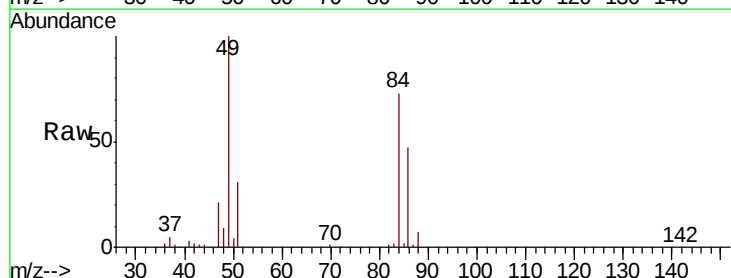
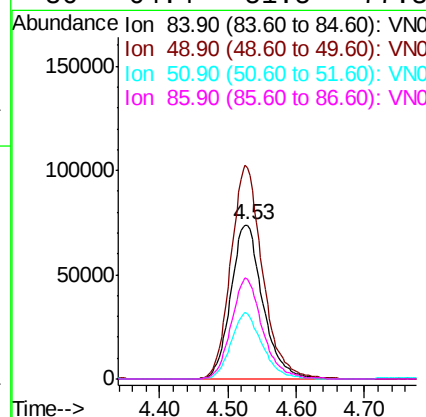
Manual Integrations
APPROVED

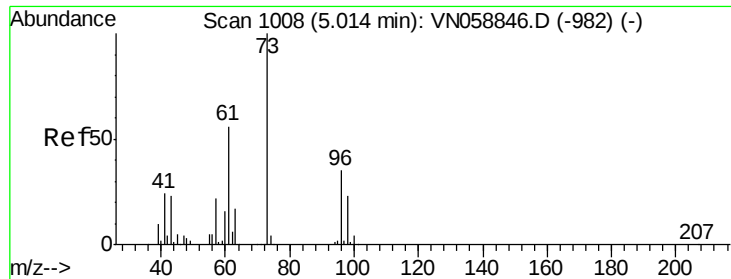
MMDadoda
10/21/2019 10:43:34 AM



#20
Methylene Chloride
Concen: 47.280 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 84 Resp: 241473
Ion Ratio Lower Upper
84 100
49 137.0 109.6 164.4
51 42.2 33.8 50.6
86 64.4 51.5 77.3





#21

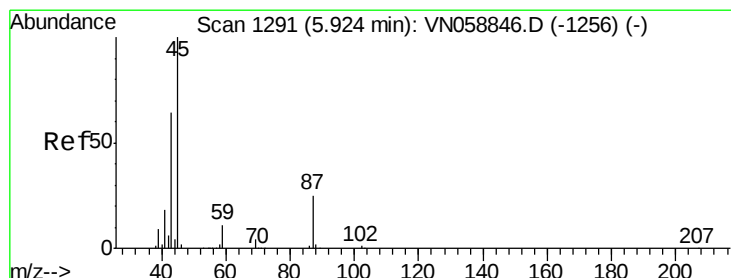
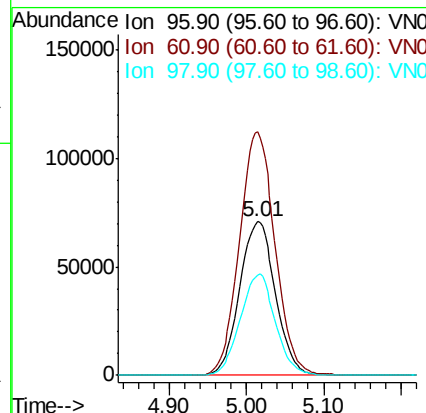
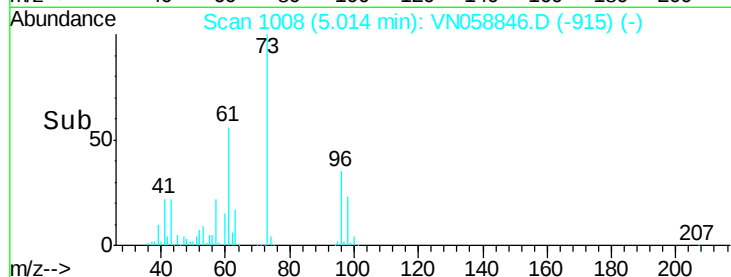
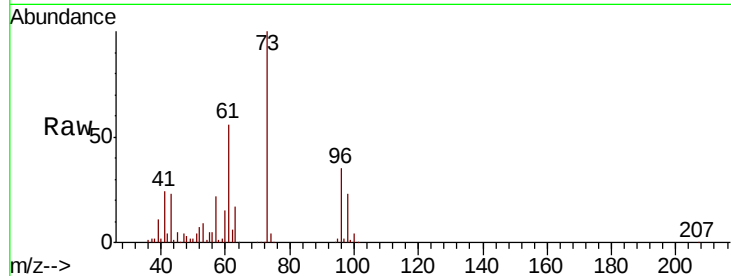
trans-1,2-Dichloroethene
Concen: 50.323 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.4	126.7	190.1
98	65.0	52.0	78.0

Manual Integrations
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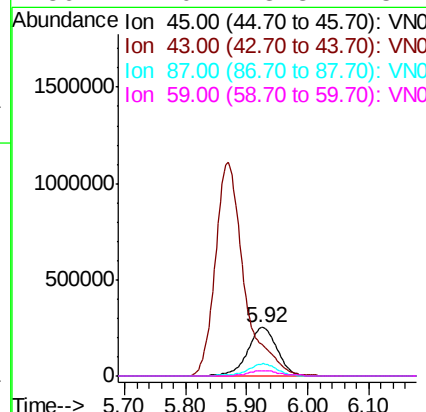
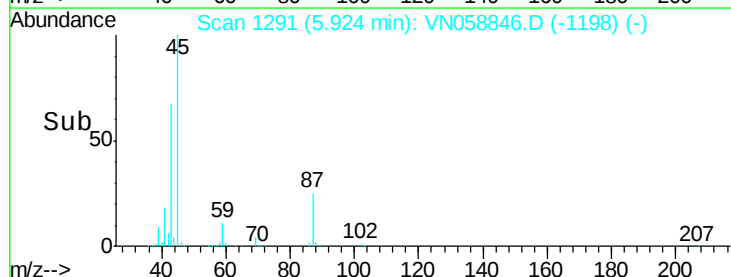
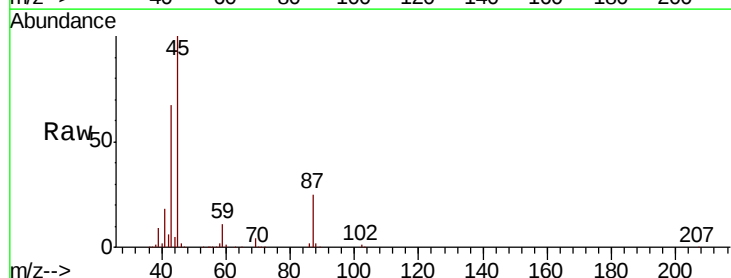
MMDadoda
10/21/2019 10:43:34 AM

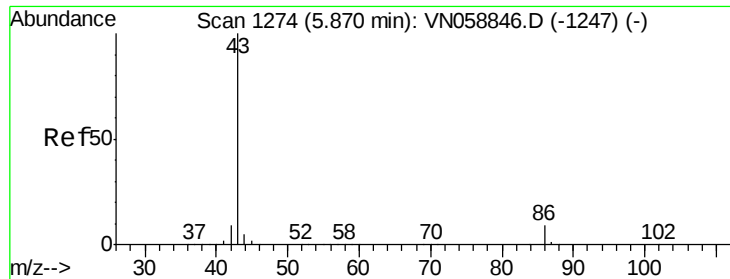


#22

Diisopropyl ether
Concen: 52.906 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	52.9	79.3
87	25.3	20.2	30.4
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 282.732 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3649258

Ion Ratio Lower Upper

43 100

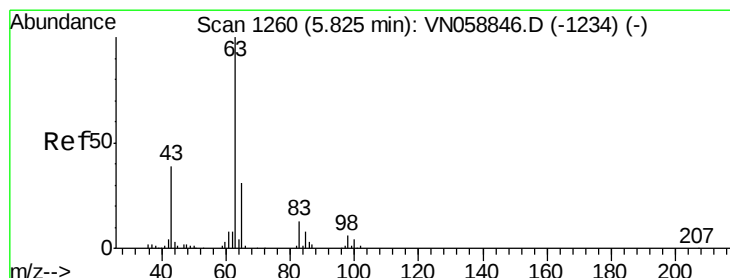
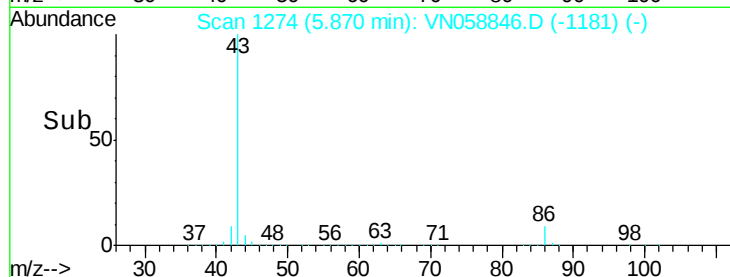
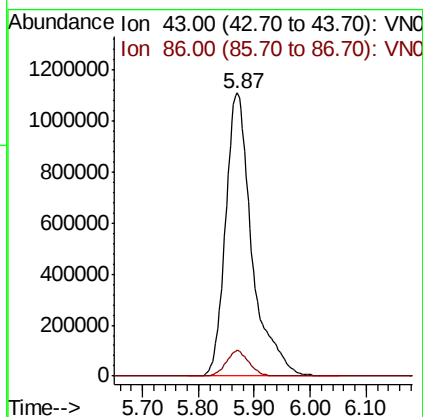
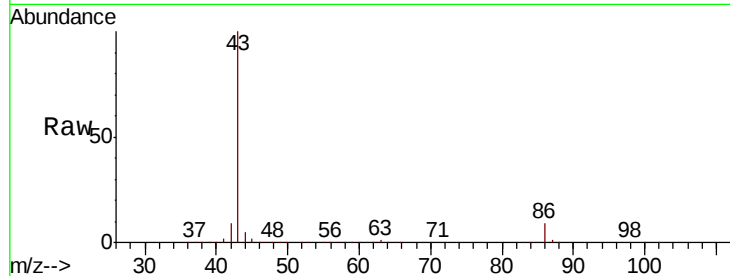
86 9.0 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:34 AM



#24

1,1-Dichloroethane

Concen: 51.013 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

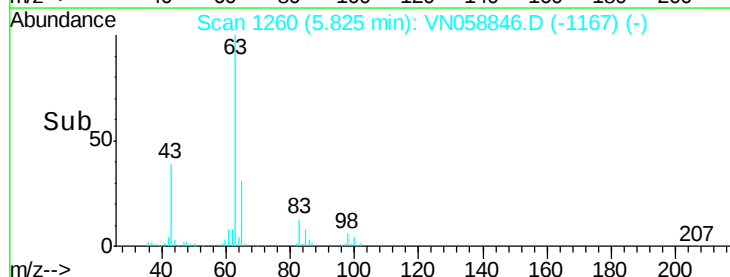
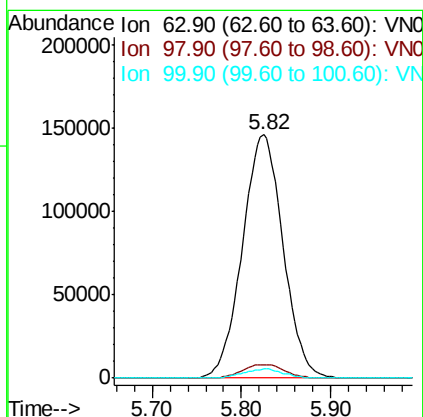
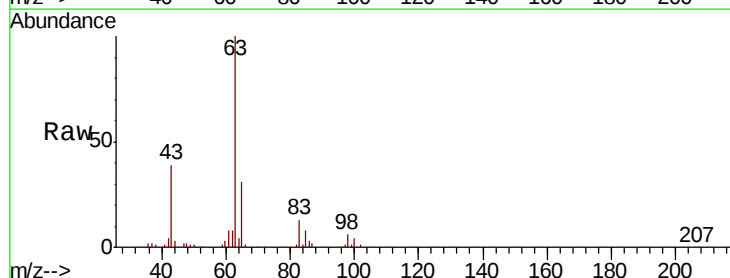
Tgt Ion: 63 Resp: 462499

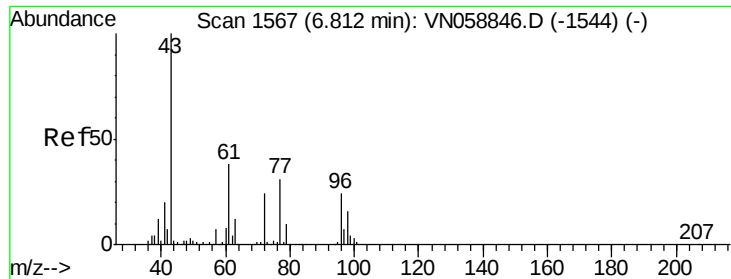
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 1.9 5.7





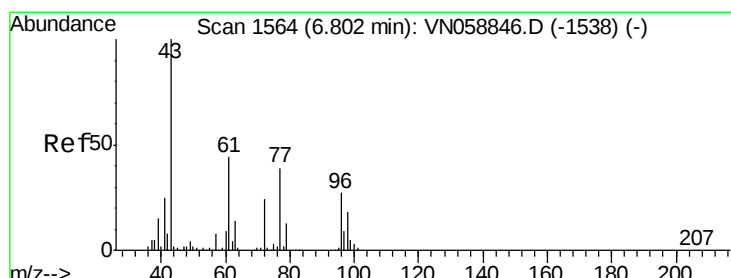
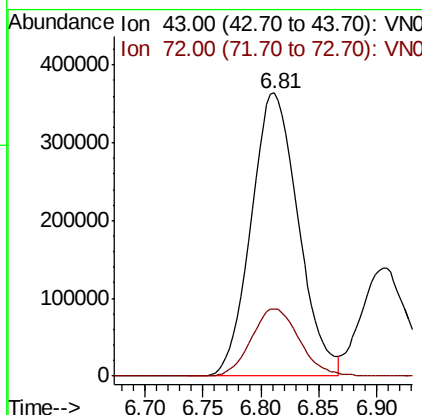
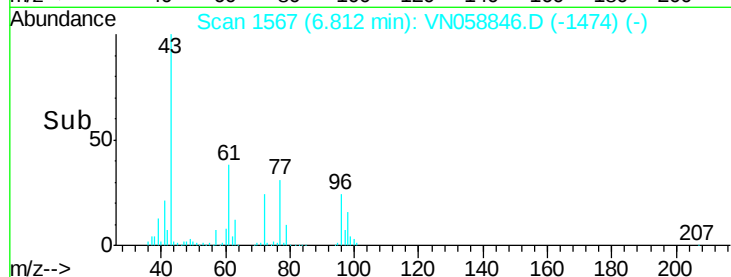
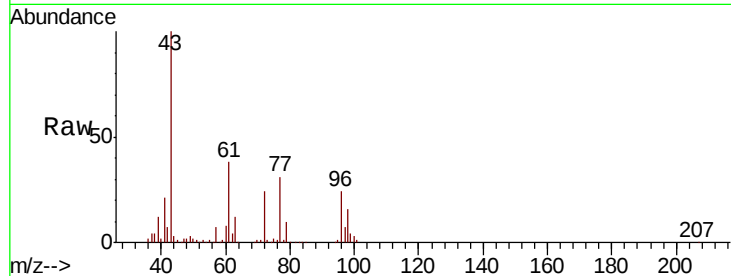
#25
2-Butanone
Concen: 284.354 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1028315
Ion Ratio Lower Upper
43 100
72 23.9 19.1 28.7

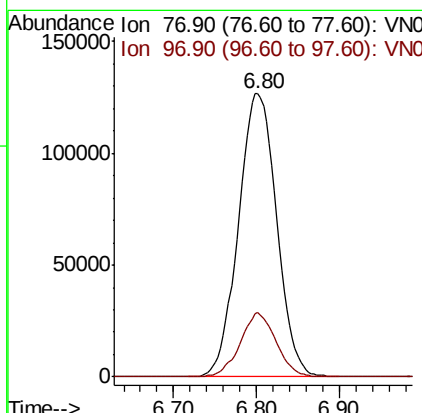
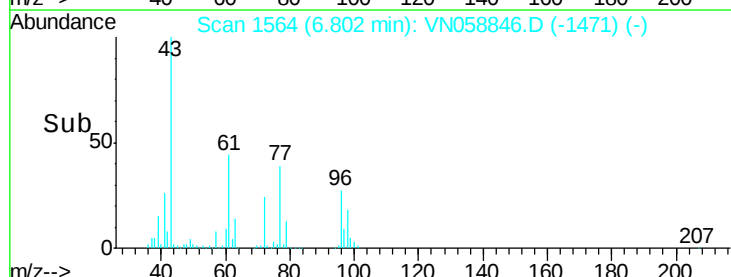
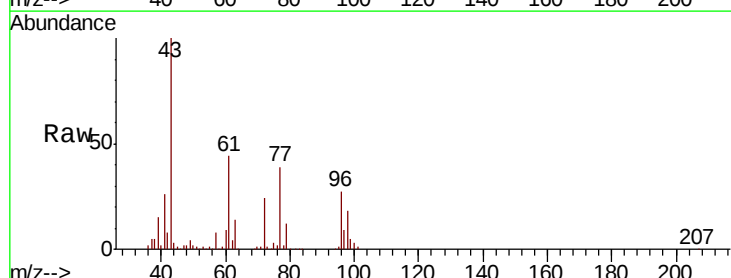
Manual Integrations
APPROVED

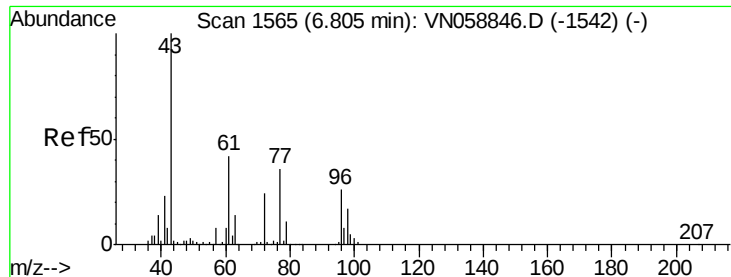
MMDadoda
10/21/2019 10:43:34 AM



#26
2,2-Dichloropropane
Concen: 49.089 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 77 Resp: 405829
Ion Ratio Lower Upper
77 100
97 21.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 49.817 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

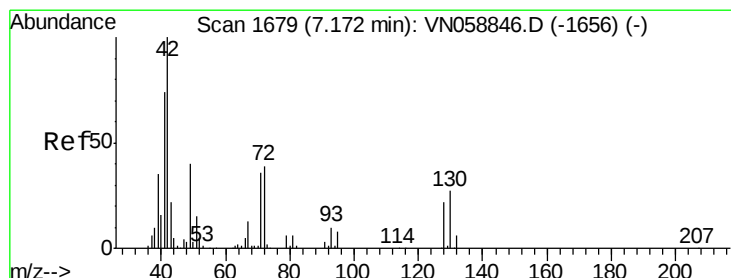
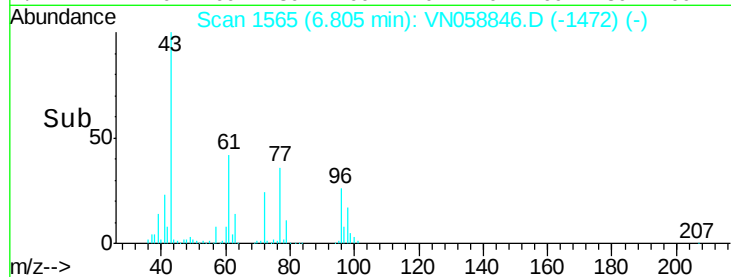
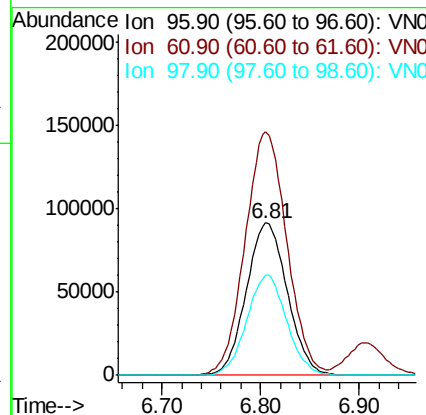
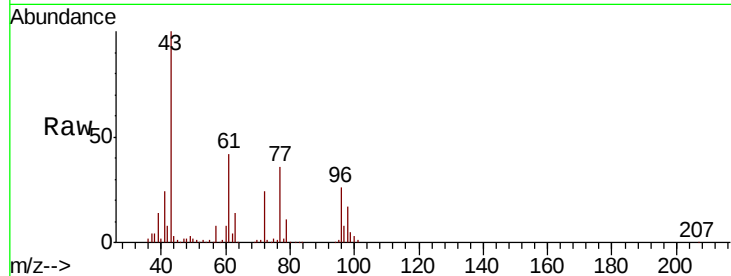
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	263482
Ion	Ratio	Lower	Upper
96	100		
61	162.5	0.0	325.0
98	64.0	0.0	128.0

Manual Integrations
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MMDadoda
10/21/2019 10:43:34 AM



#28

Bromochloromethane

Concen: 50.032 ug/l

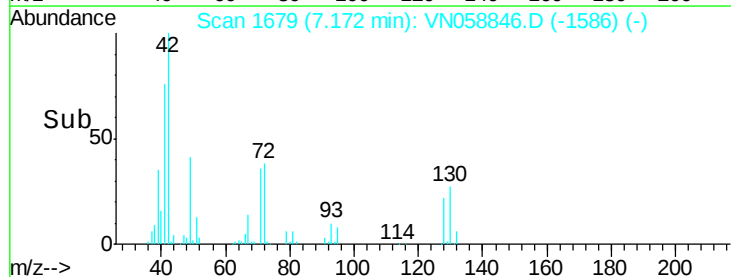
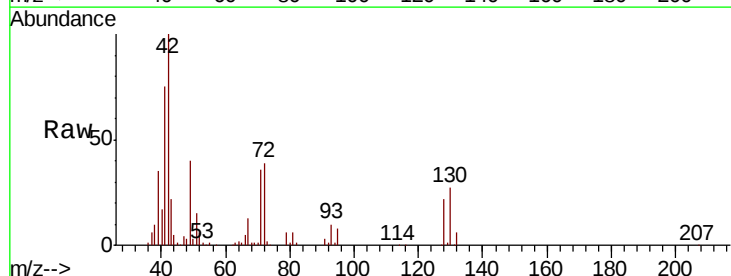
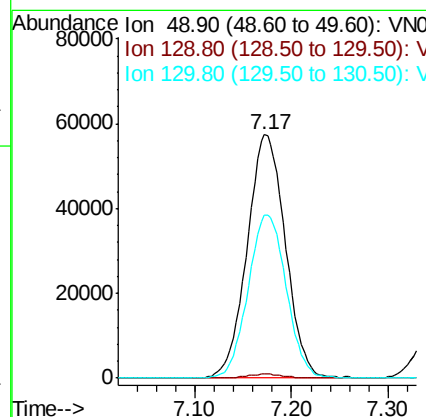
RT: 7.17 min Scan# 1679

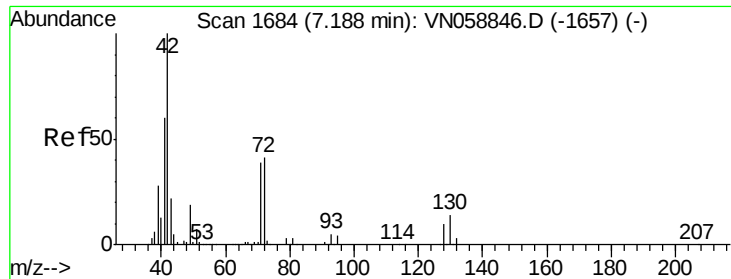
Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion:	49	Resp:	157530
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	66.9	53.5	80.3





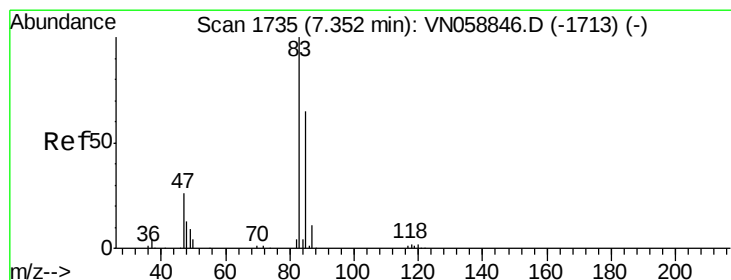
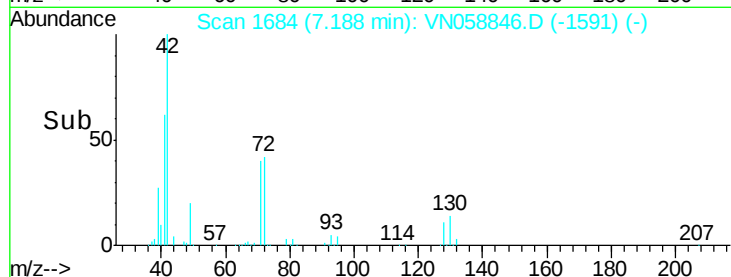
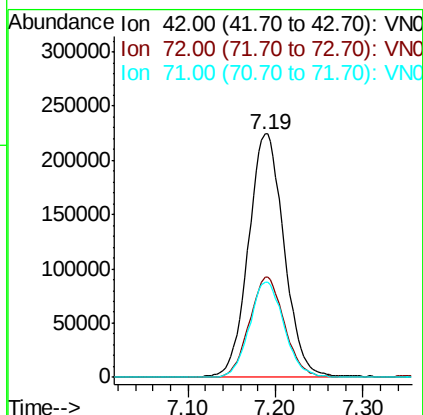
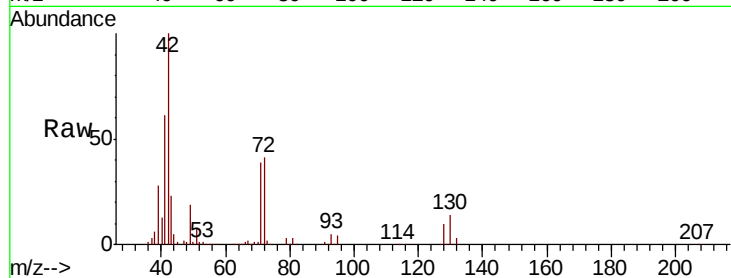
#29
Tetrahydrofuran
Concen: 273.314 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.2	48.2
71	38.2	30.6	45.8

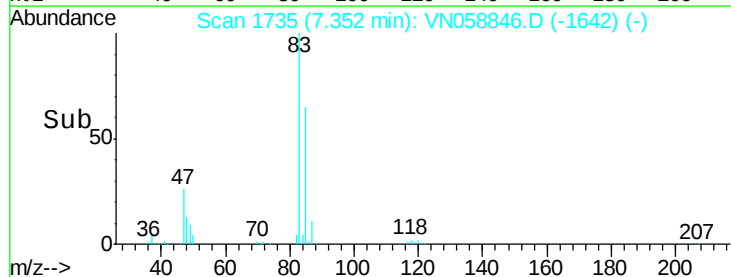
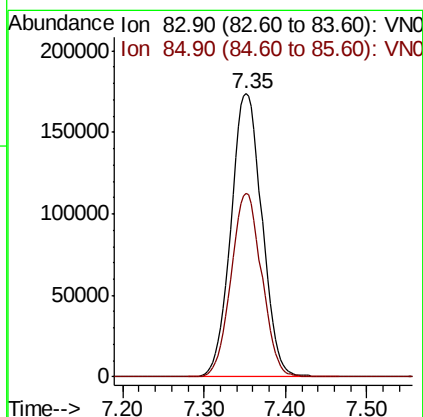
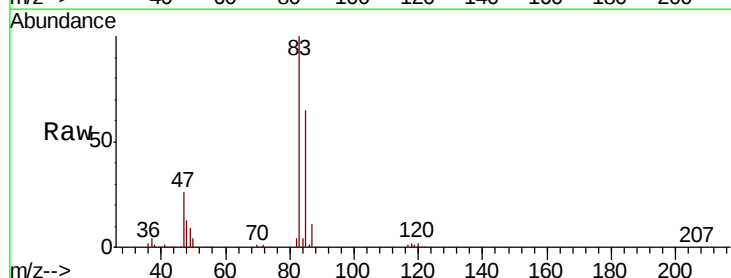
Manual Integrations
APPROVED

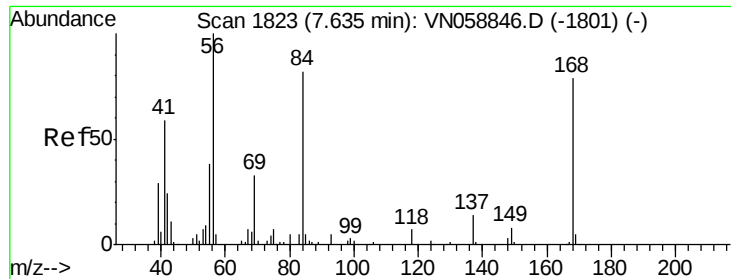
MMDadoda
10/21/2019 10:43:34 AM



#30
Chloroform
Concen: 50.437 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





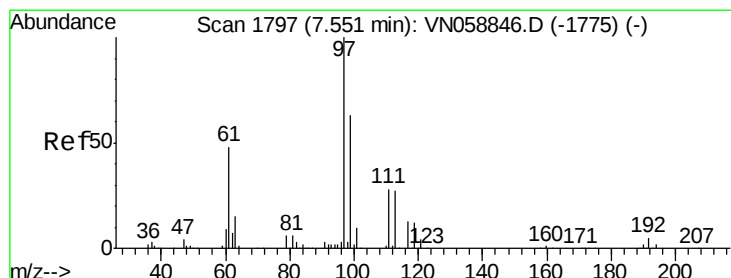
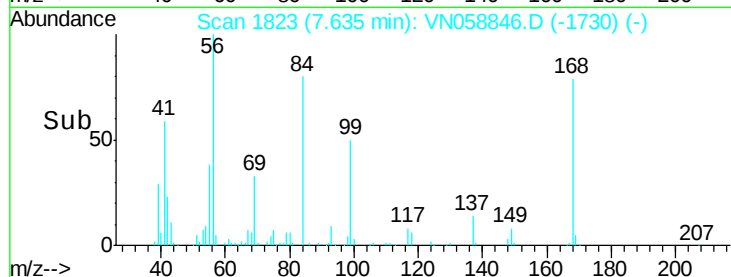
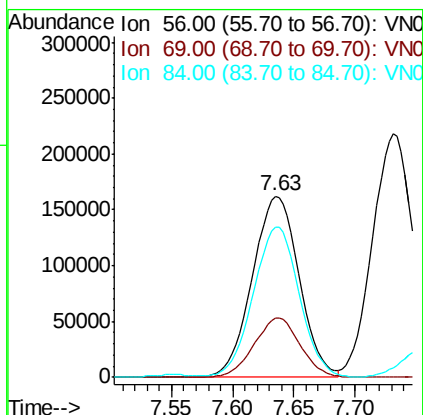
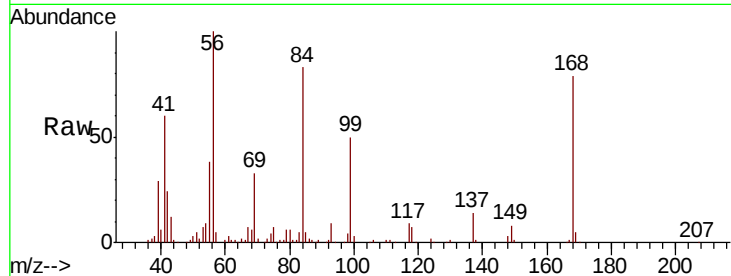
#31
Cyclohexane
Concen: 49.668 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	82.0	65.6	98.4

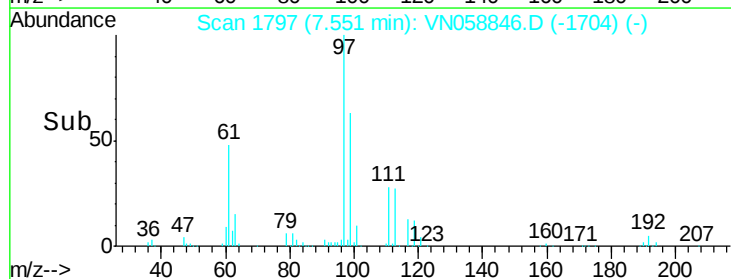
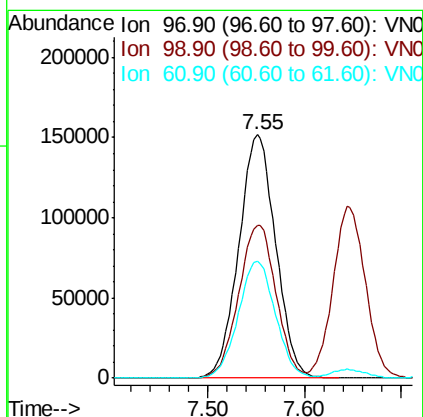
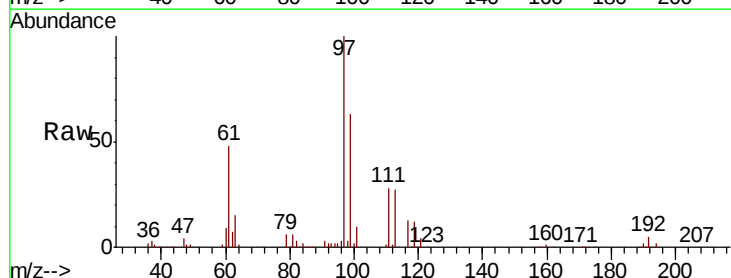
Manual Integrations
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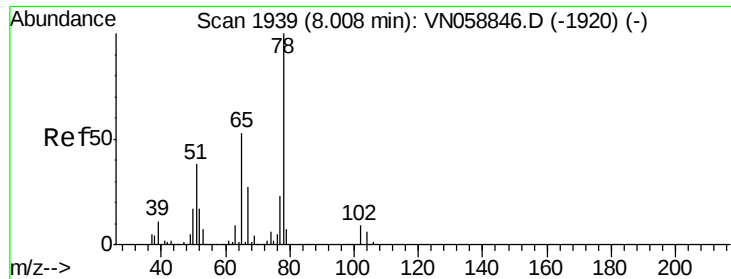
MMDadoda
10/21/2019 10:43:34 AM



#32
1,1,1-Trichloroethane
Concen: 51.908 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	48.3	38.6	58.0





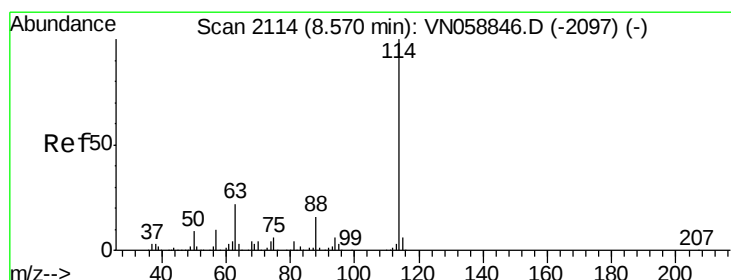
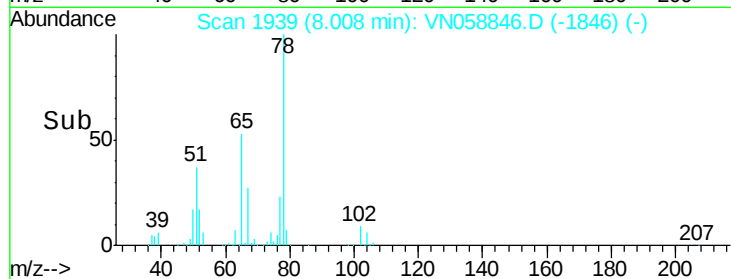
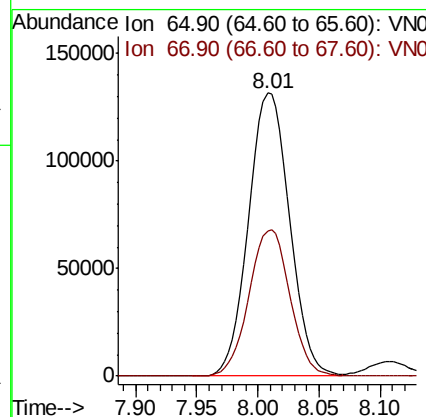
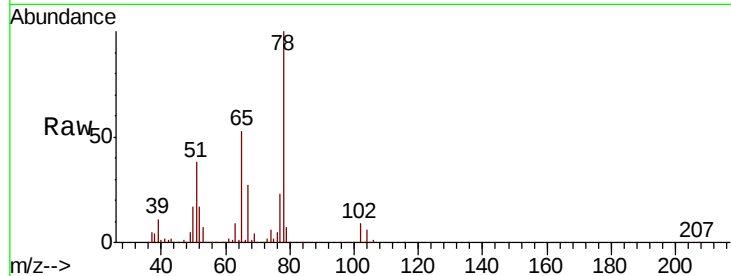
#33
 1,2-Dichloroethane-d4
 Concen: 51.851 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	307425		
67	51.6	0.0	103.2	

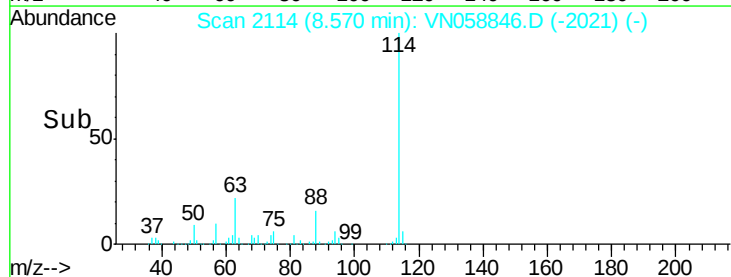
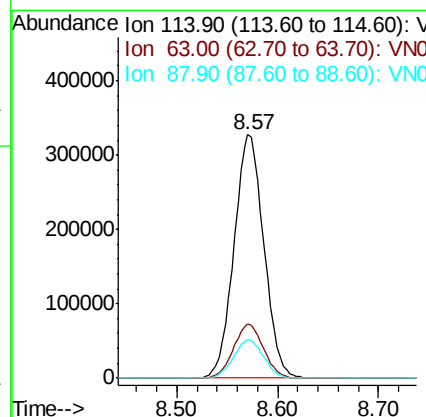
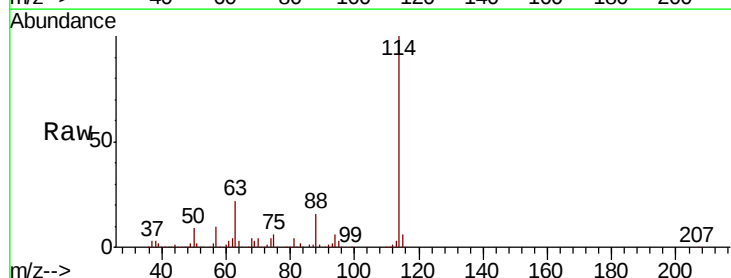
Manual Integrations
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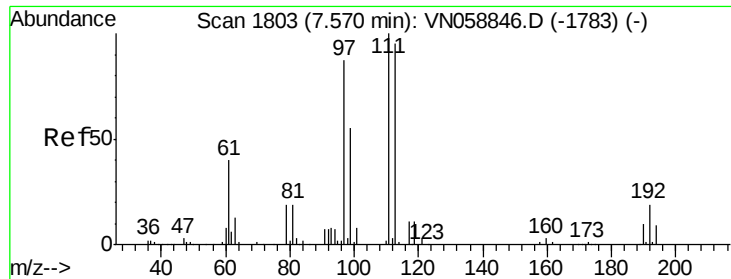
MMDadoda
 10/21/2019 10:43:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	672596		
63	22.2	0.0	44.4	
88	15.7	0.0	31.4	





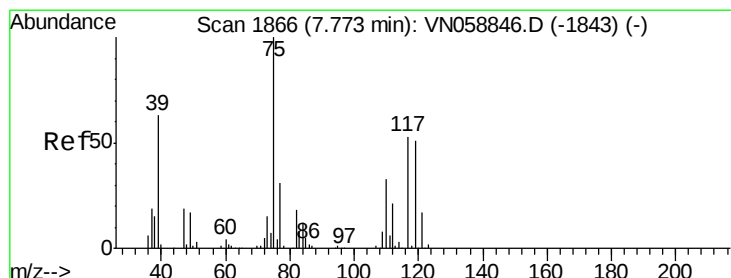
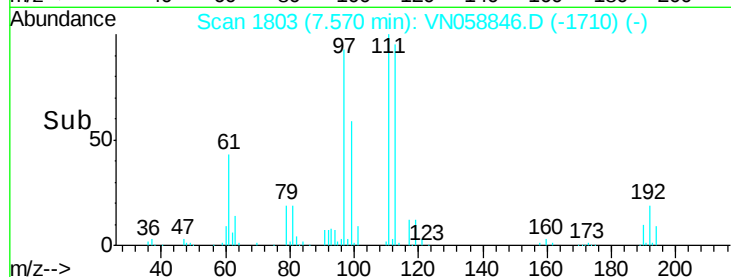
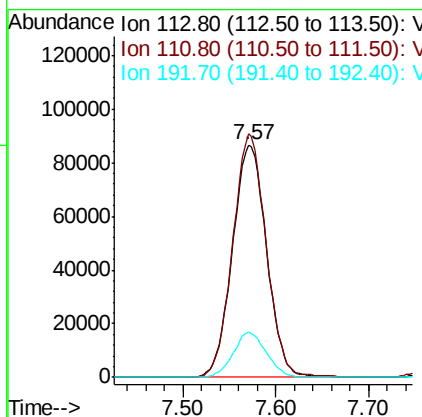
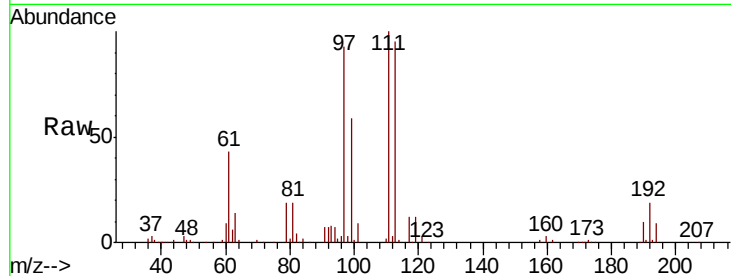
#35
 Dibromofluoromethane
 Concen: 52.681 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221491		
111	102.5	82.0	123.0	
192	18.8	15.0	22.6	

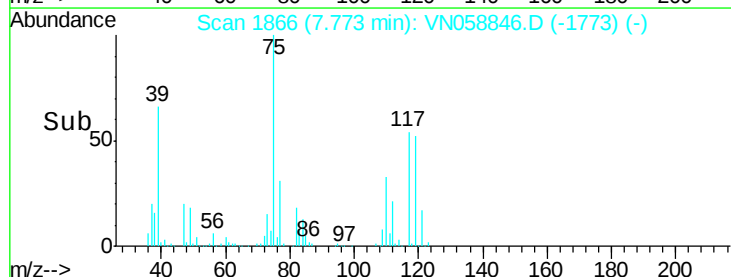
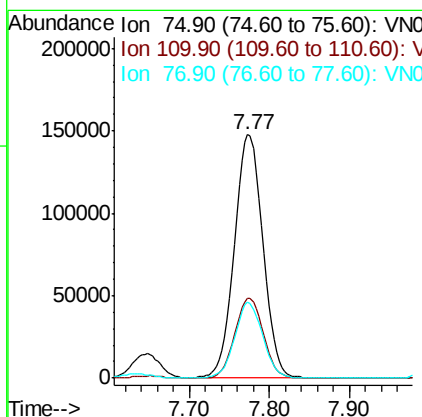
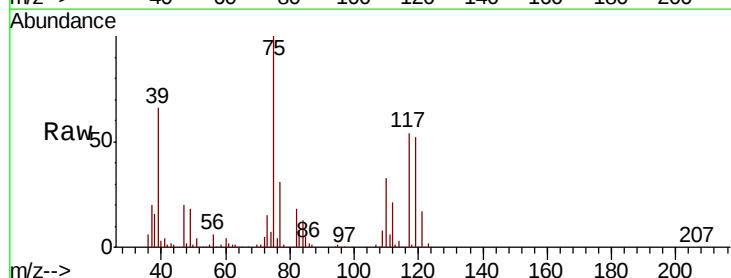
Manual Integrations
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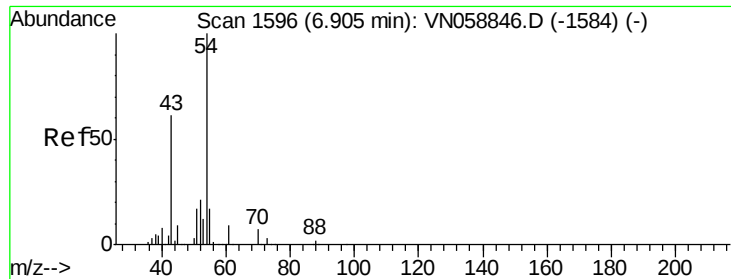
MMDadoda
 10/21/2019 10:43:34 AM



#36
 1,1-Dichloropropene
 Concen: 51.773 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	355593		
110	32.6	16.3	48.9	
77	30.7	24.6	36.8	





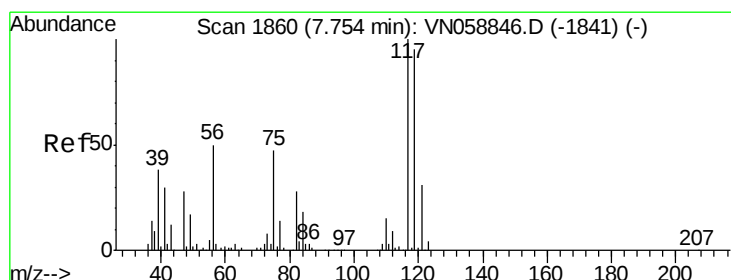
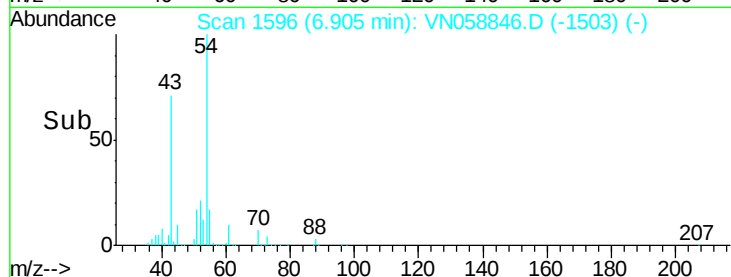
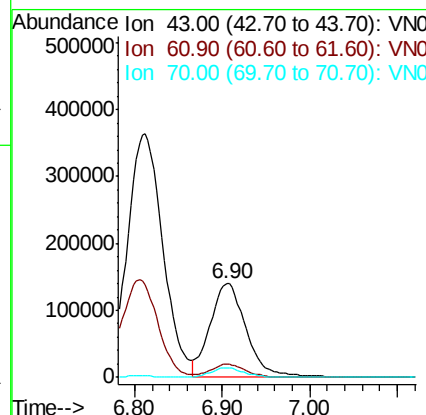
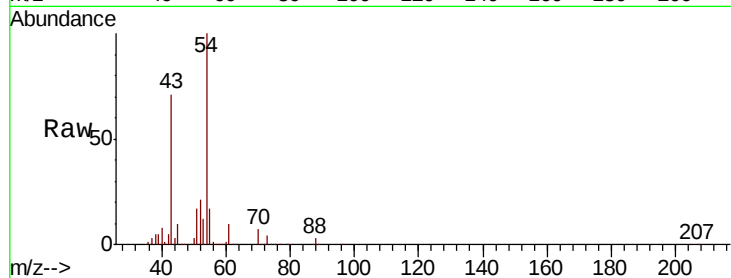
#37
Ethyl Acetate
Concen: 56.550 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.5	7.6	11.4

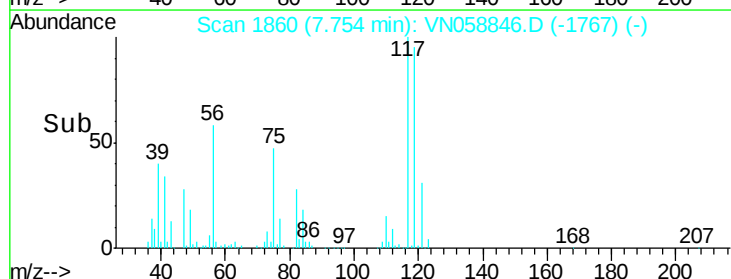
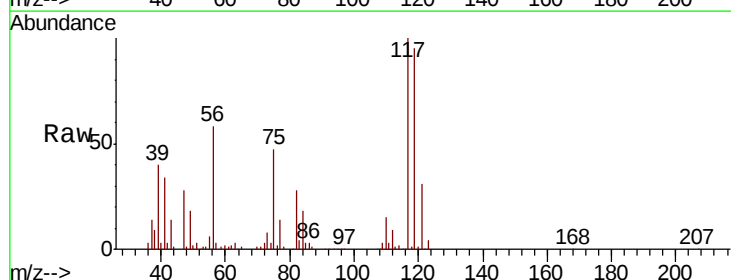
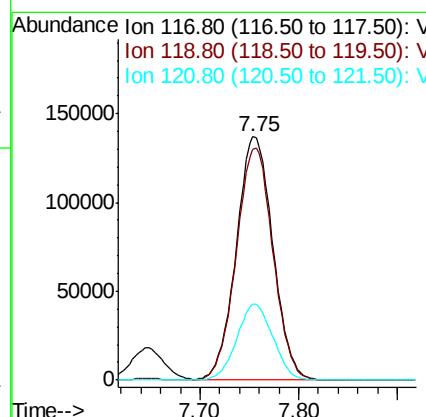
Manual Integrations
APPROVED

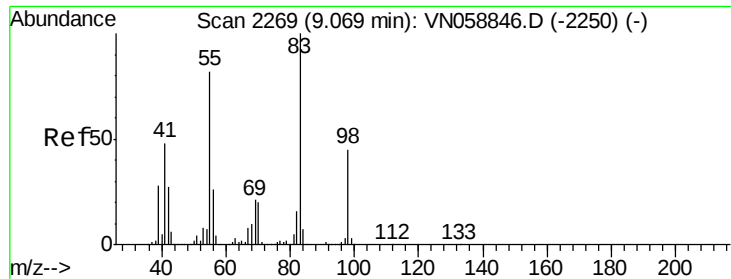
MMDadoda
10/21/2019 10:43:34 AM



#38
Carbon Tetrachloride
Concen: 52.819 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.7	113.5
121	31.3	25.0	37.6





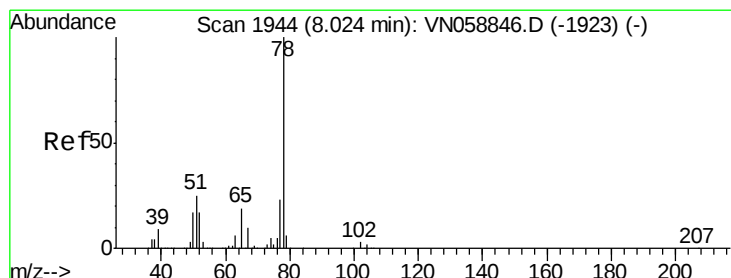
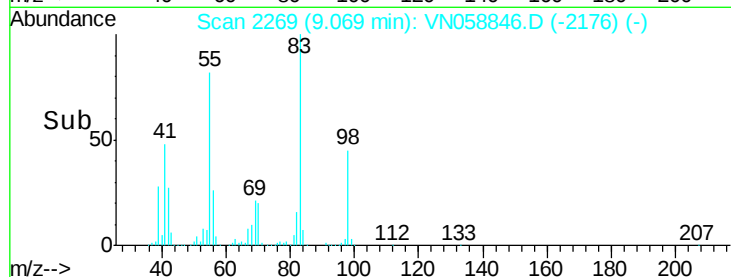
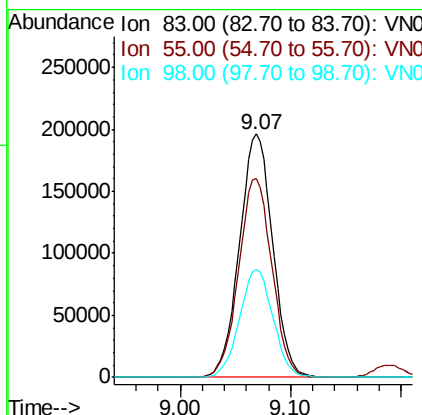
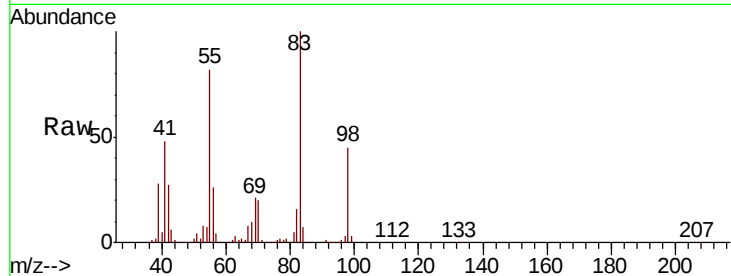
#39
Methvlcvclohexane
Concen: 51.577 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	65.5	98.3
98	44.6	35.7	53.5

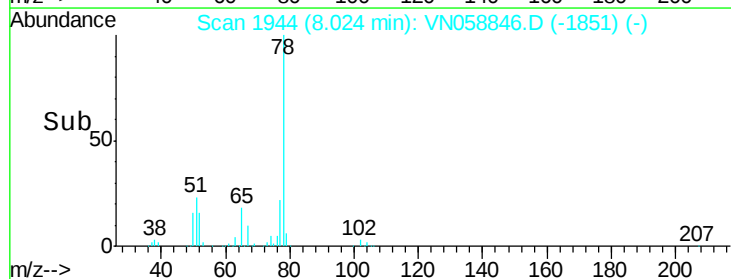
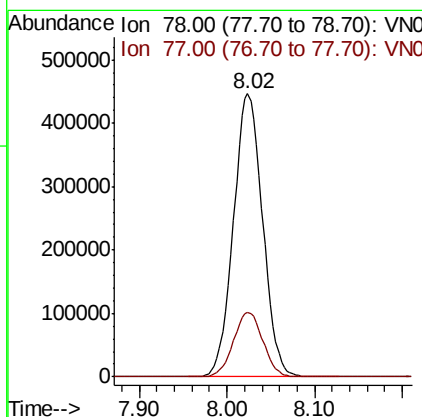
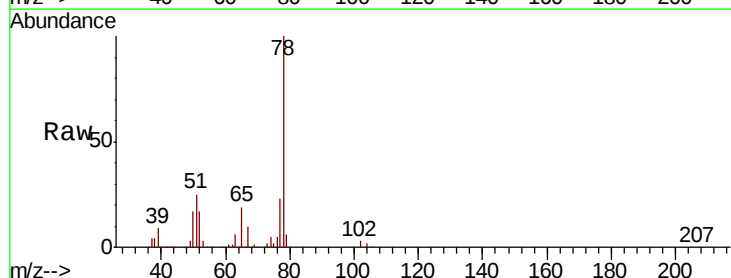
Manual Integrations
APPROVED

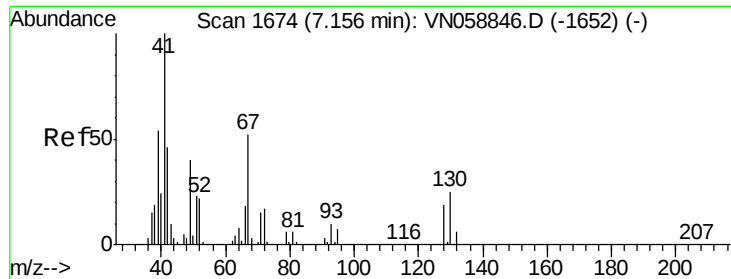
MMDadoda
10/21/2019 10:43:34 AM



#40
Benzene
Concen: 52.295 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2





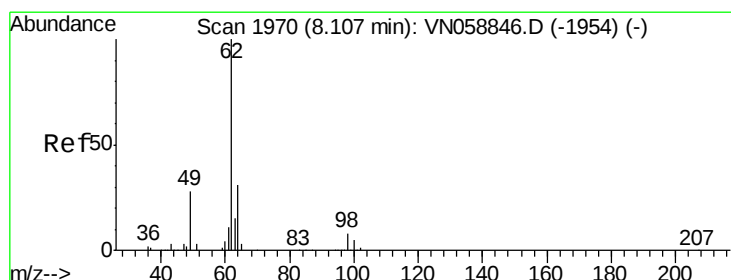
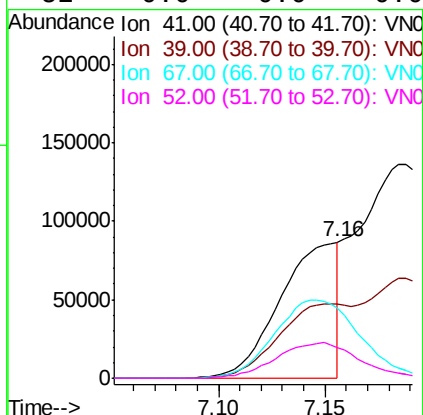
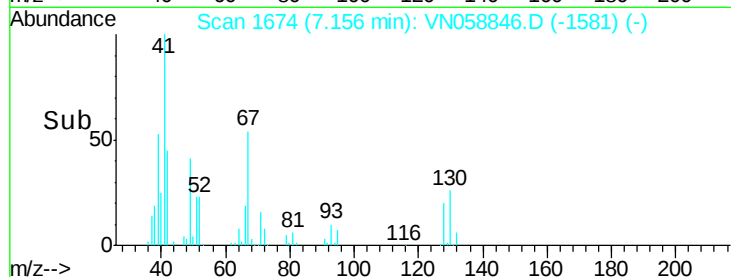
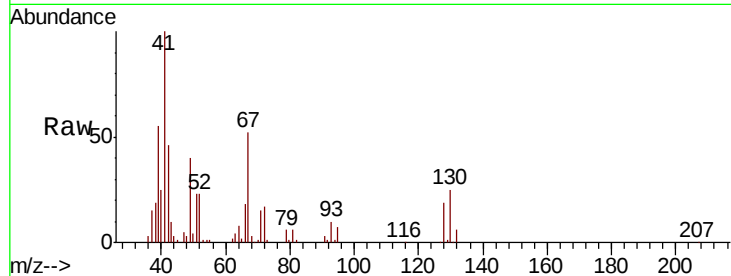
#41
Methacrylonitrile
Concen: 51.335 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot 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

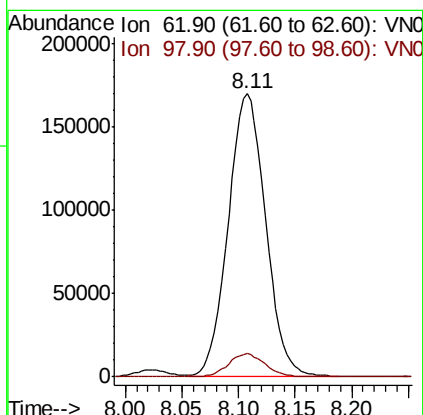
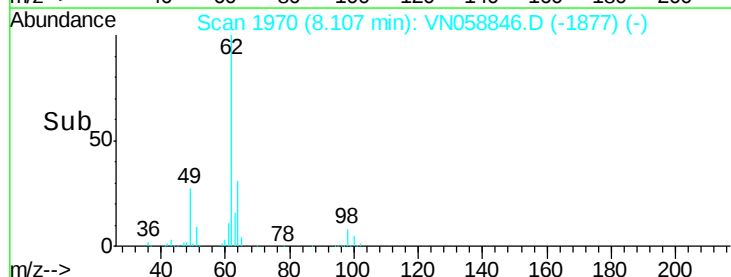
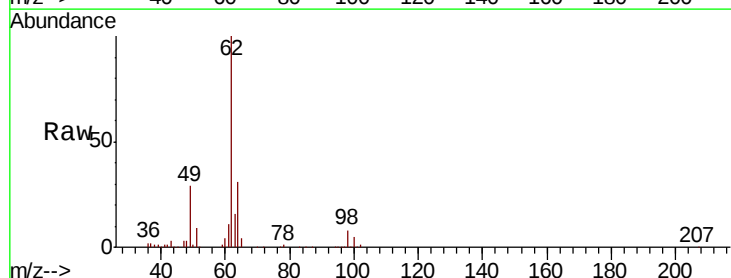
Manual Integrations
APPROVED

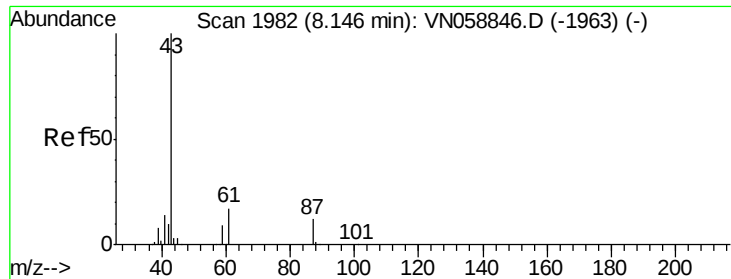
MMDadoda
10/21/2019 10:43:34 AM



#42
1,2-Dichloroethane
Concen: 51.453 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2





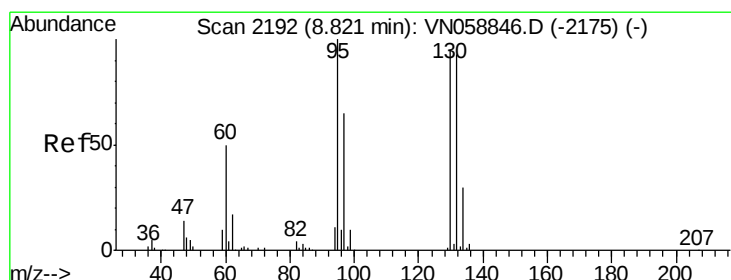
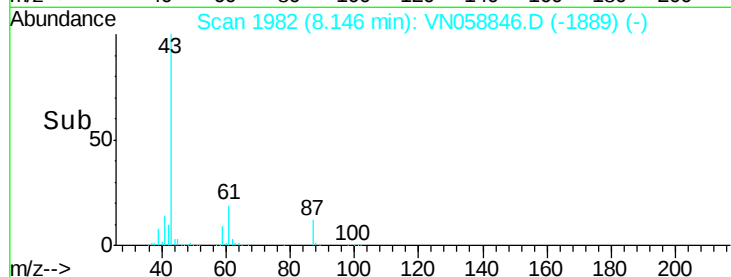
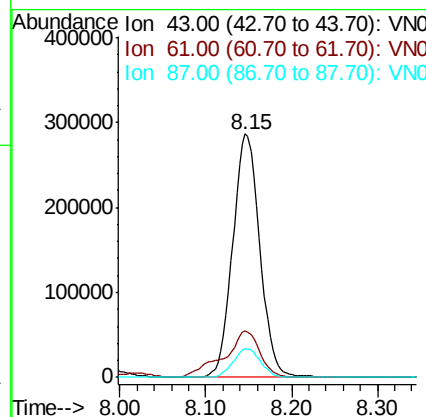
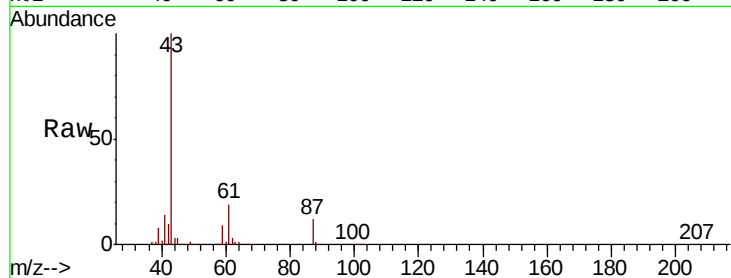
#43
Isopropyl Acetate
Concen: 52.531 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.2	30.2
87	11.9	9.5	14.3

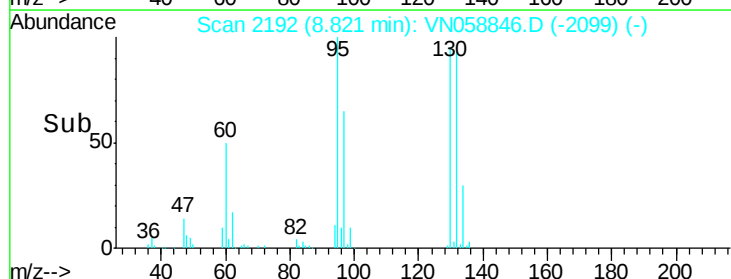
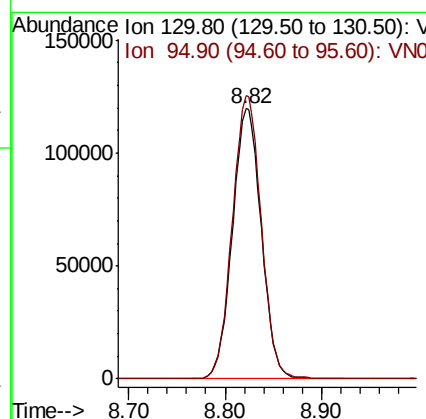
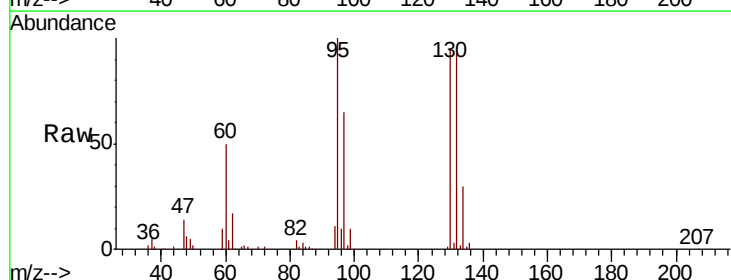
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#44
Trichloroethene
Concen: 50.760 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	209.6





#45

1,2-Dichloropropane

Concen: 53.110 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 281455

Ion Ratio Lower Upper

63 100

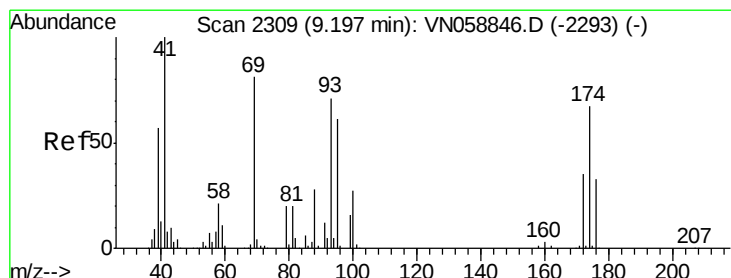
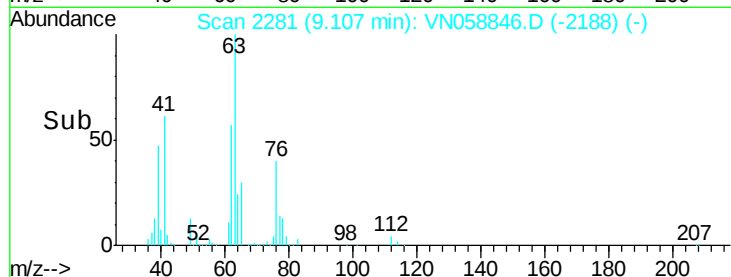
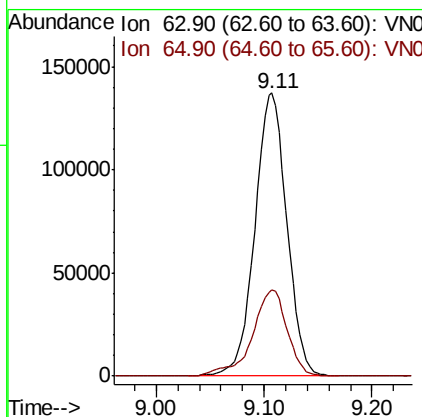
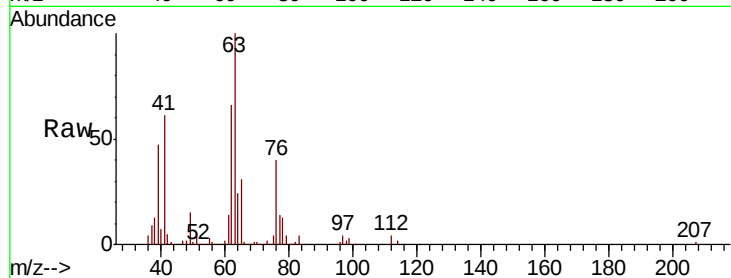
65 30.6 24.5 36.7

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#46

Dibromomethane

Concen: 52.520 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

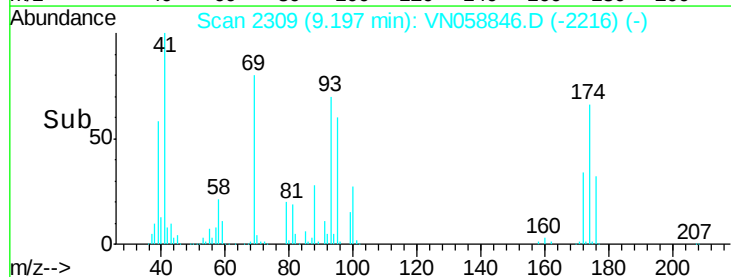
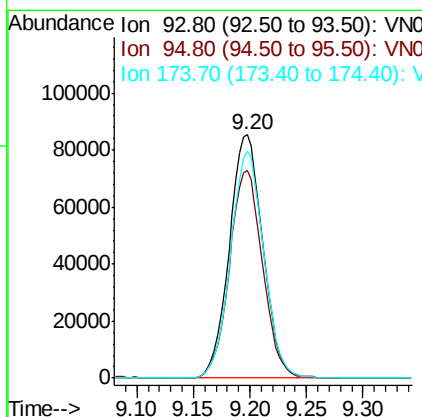
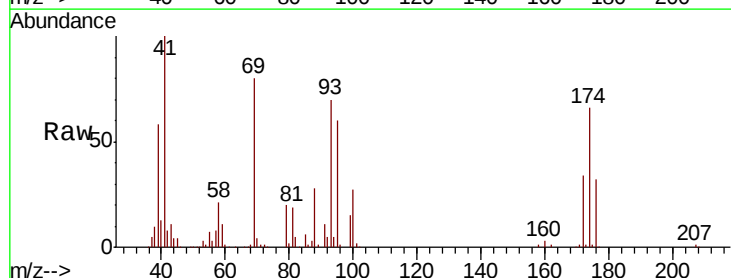
Tgt Ion: 93 Resp: 175858

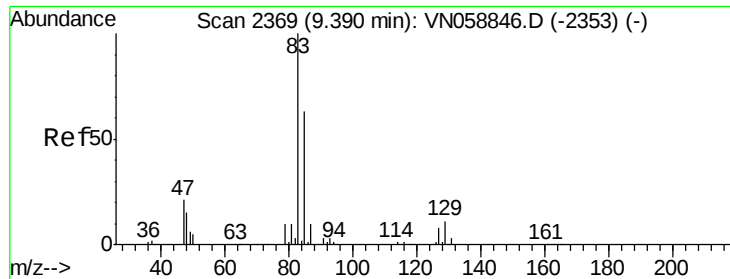
Ion Ratio Lower Upper

93 100

95 84.5 67.6 101.4

174 92.6 74.1 111.1





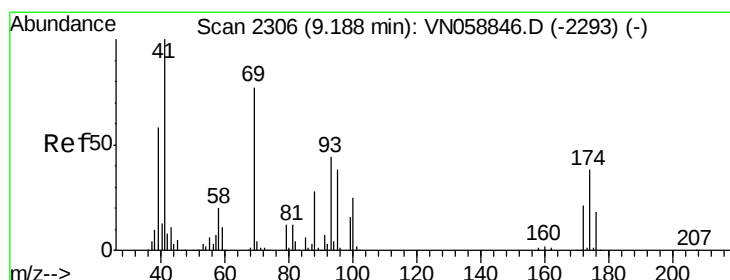
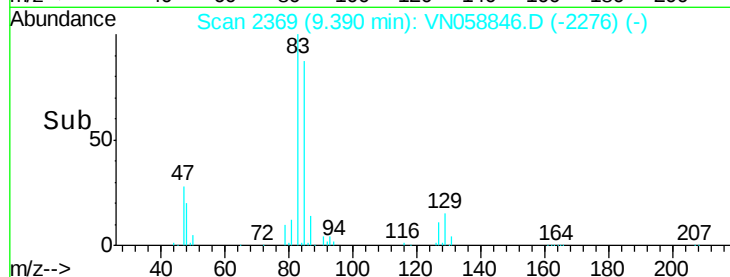
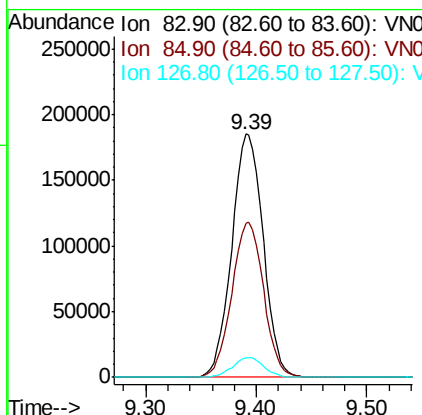
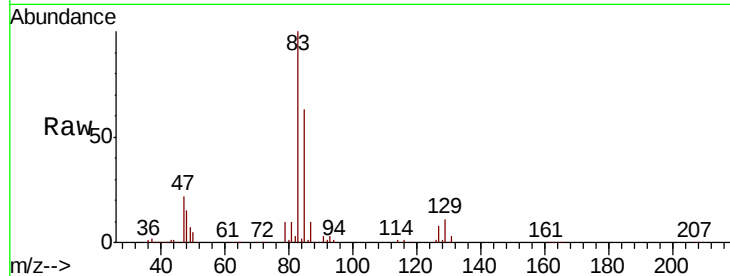
#47
Bromodichloromethane
Concen: 53.584 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	366140
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	8.1	6.5	9.7

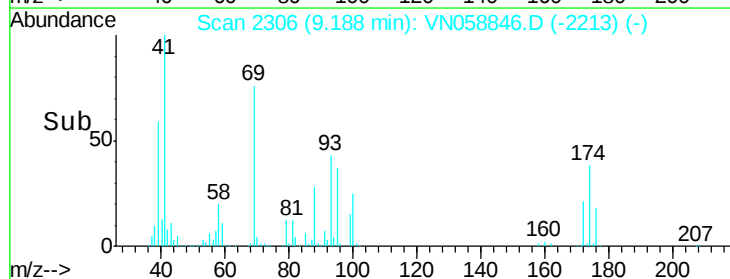
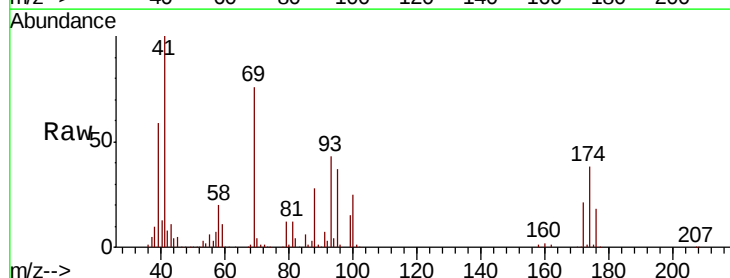
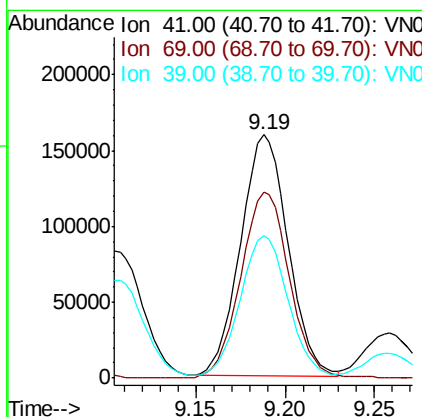
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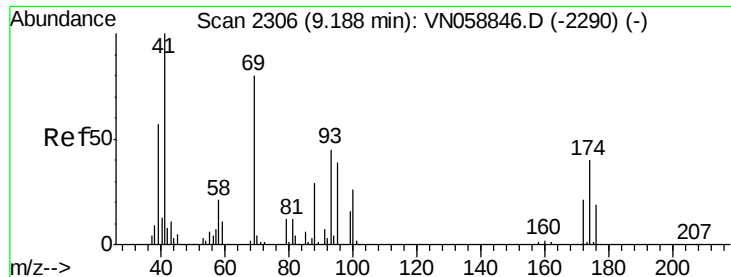
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#48
Methyl methacrylate
Concen: 54.660 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	41	Resp	294984
Ion Ratio	100	Lower	Upper
41	100		
69	79.7	63.8	95.6
39	59.8	47.8	71.8





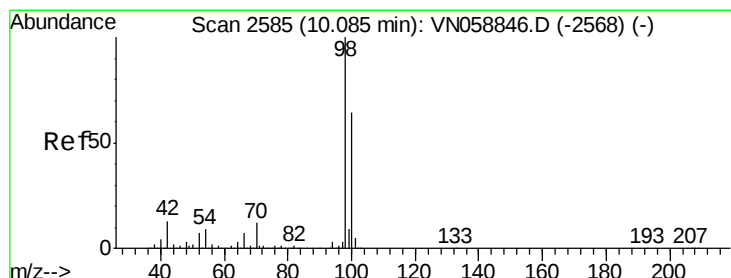
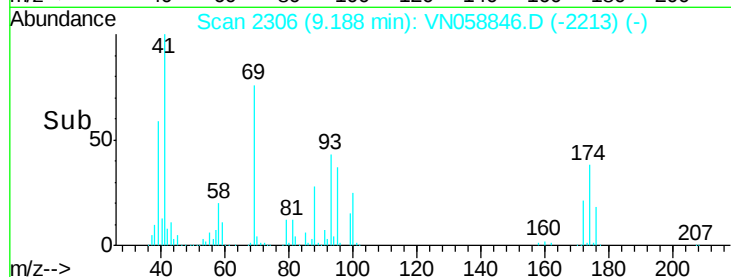
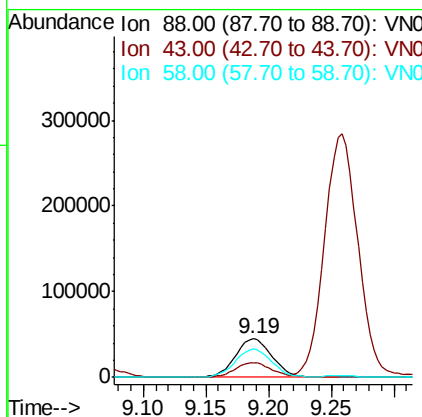
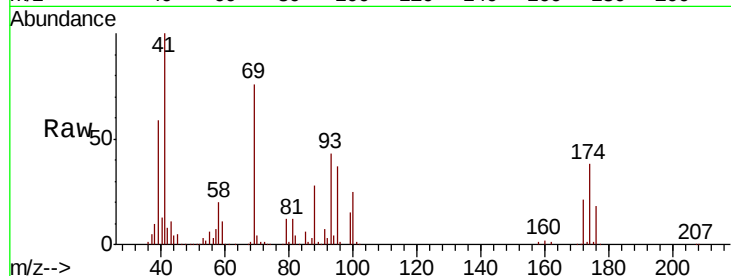
#49
1,4-Dioxane
Concen: 1092.322 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	29.1	43.7
58	74.2	59.4	89.0

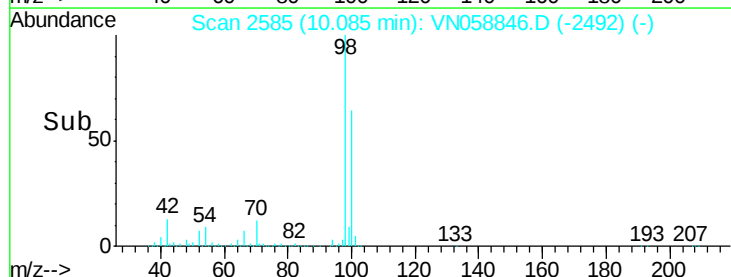
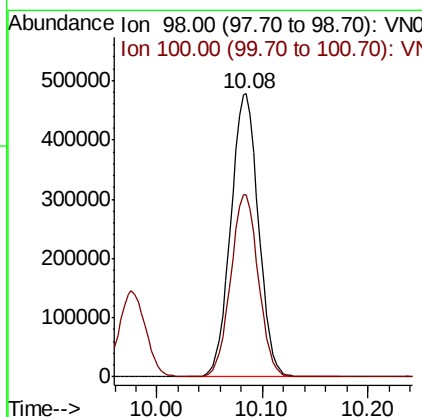
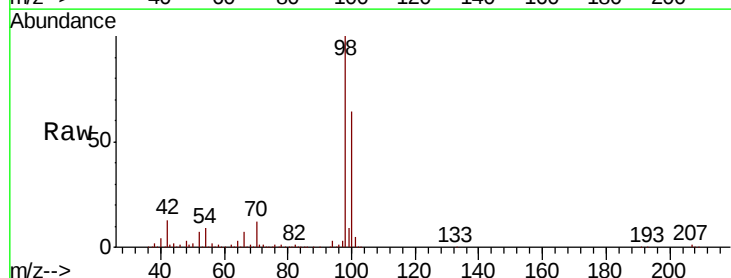
Manual Integrations
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#50
Toluene-d8
Concen: 51.802 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 292.580 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1963817

Ion Ratio Lower Upper

43 100

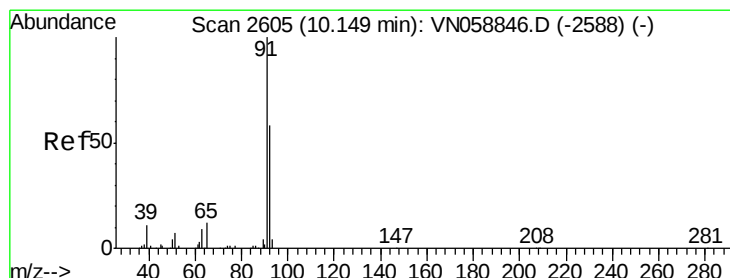
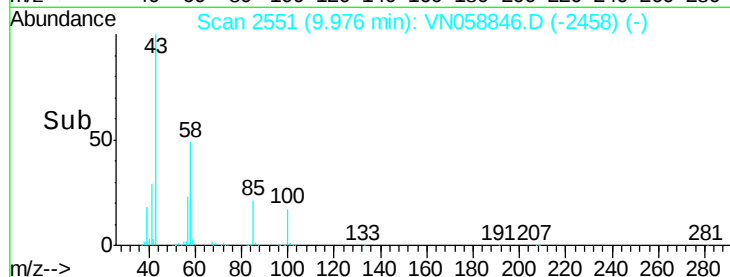
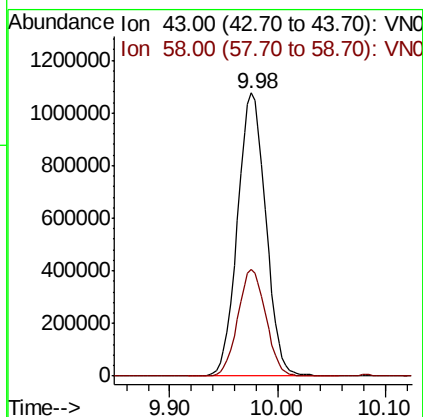
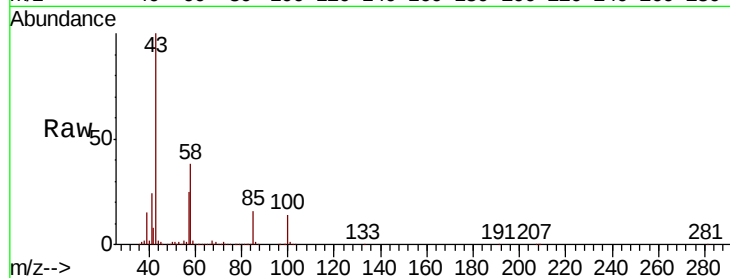
58 37.4 29.9 44.9

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#52

Toluene

Concen: 52.593 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058846.D

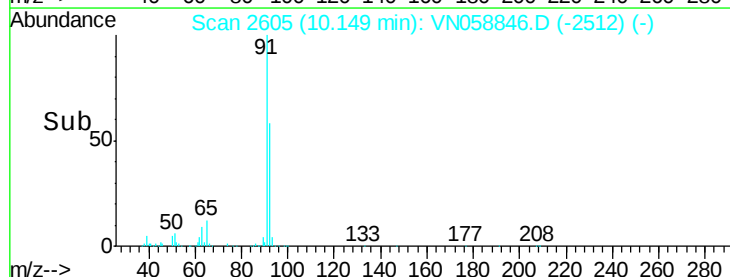
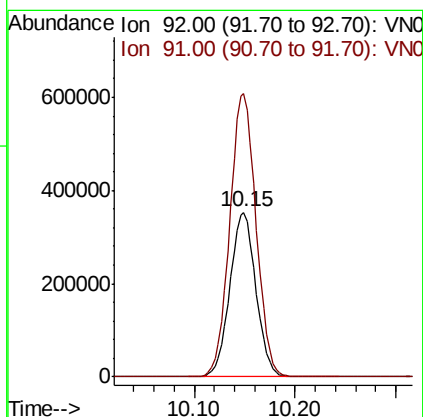
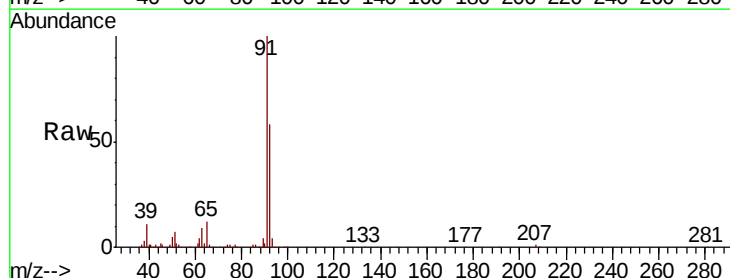
Acq: 18 Oct 2019 9:59

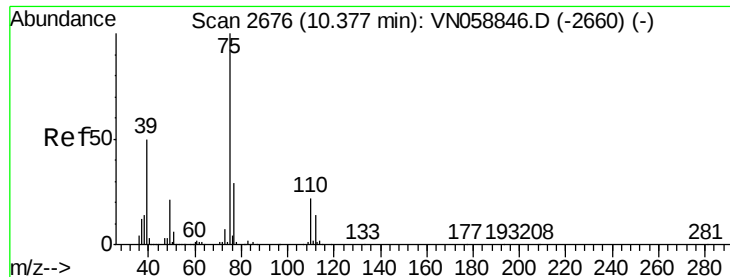
Tgt Ion: 92 Resp: 634562

Ion Ratio Lower Upper

92 100

91 173.6 138.9 208.3





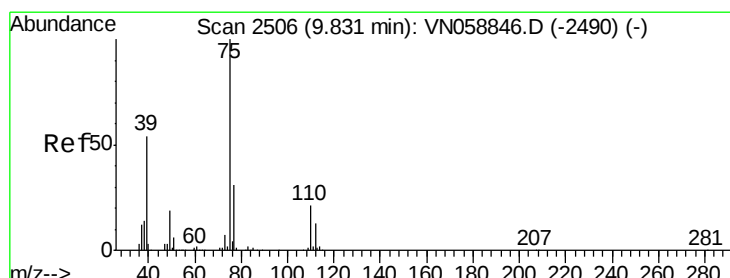
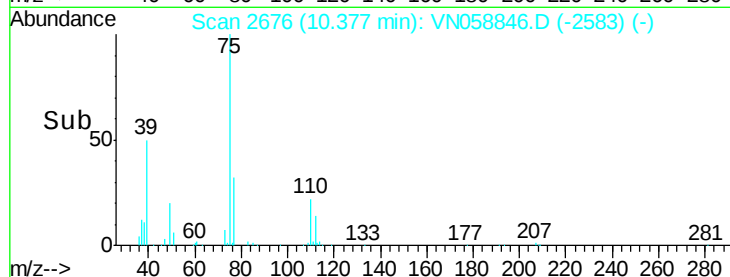
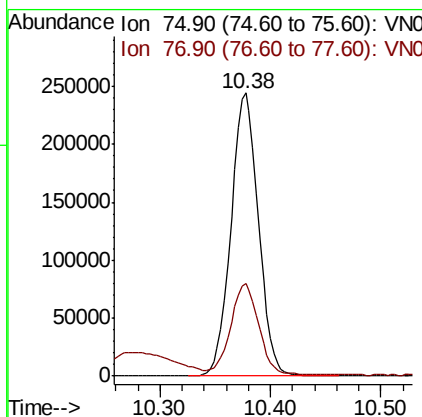
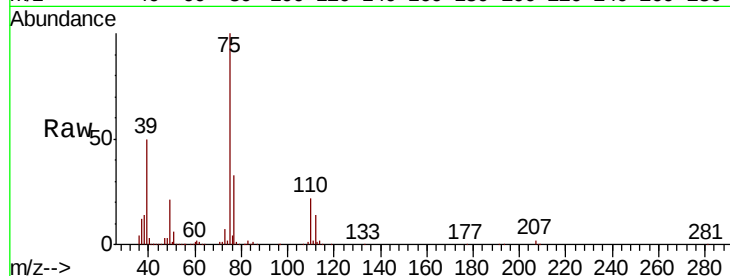
#53
t-1,3-Dichloropropene
Concen: 53.516 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 419090
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5

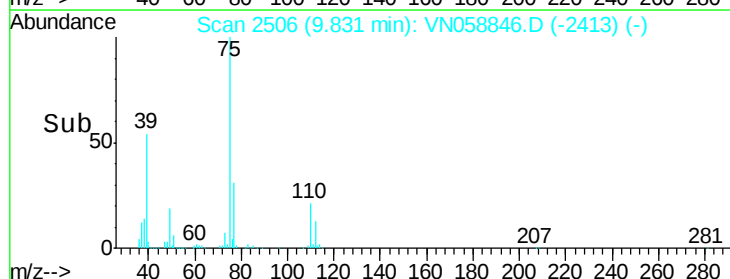
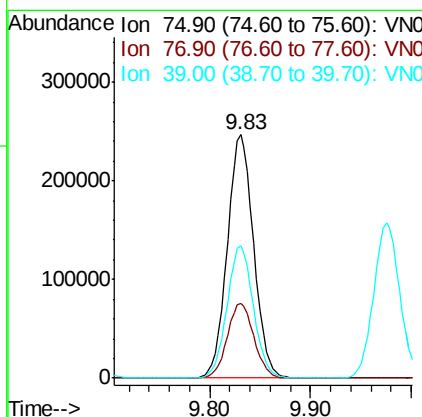
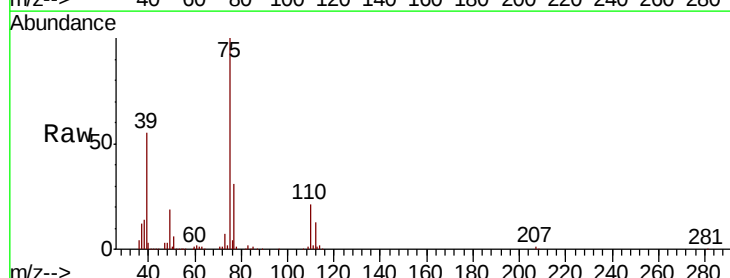
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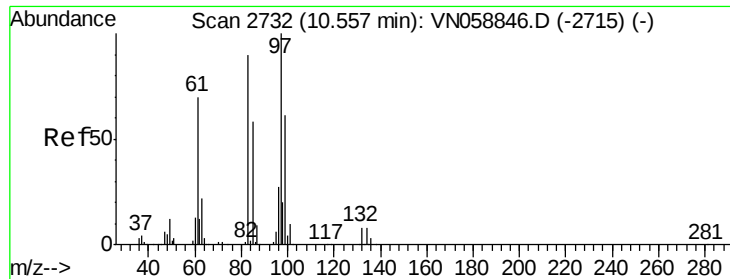
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#54
cis-1,3-Dichloropropene
Concen: 54.001 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 75 Resp: 449673
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1
39 54.4 43.5 65.3





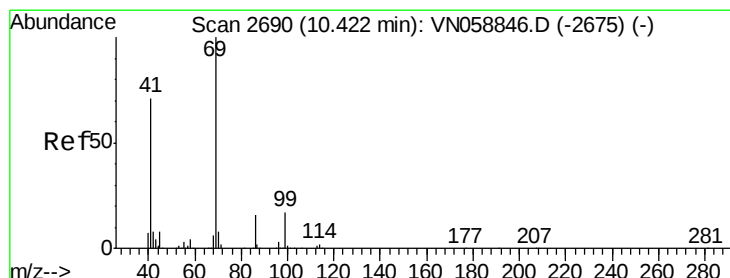
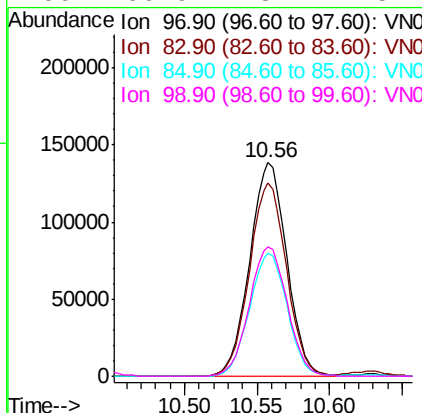
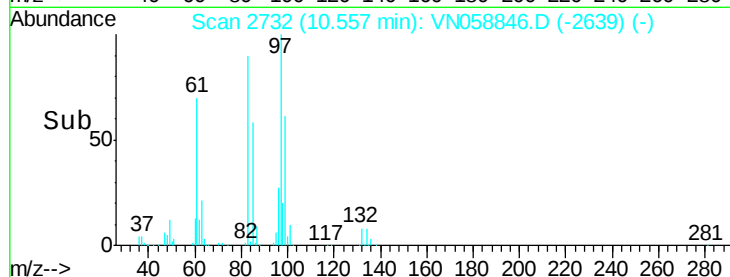
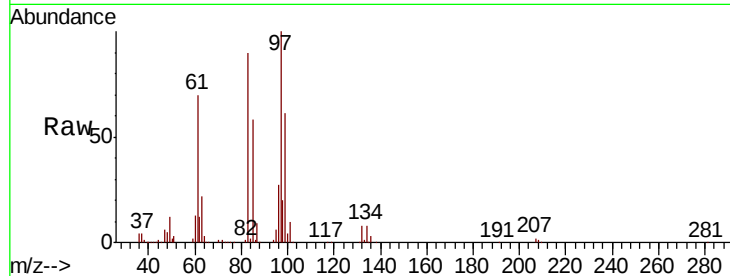
#55
 1,1,2-Trichloroethane
 Concen: 49.684 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	245516
Ion	Ratio	Lower	Upper
97	100		
83	90.3	72.2	108.4
85	57.7	46.2	69.2
99	60.9	48.7	73.1

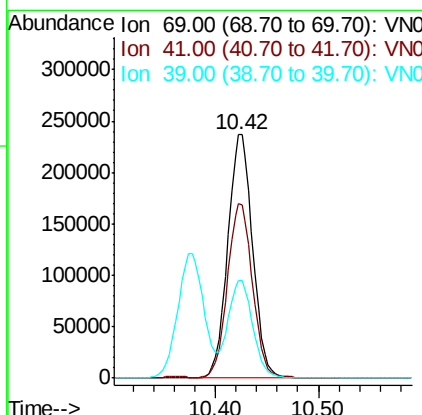
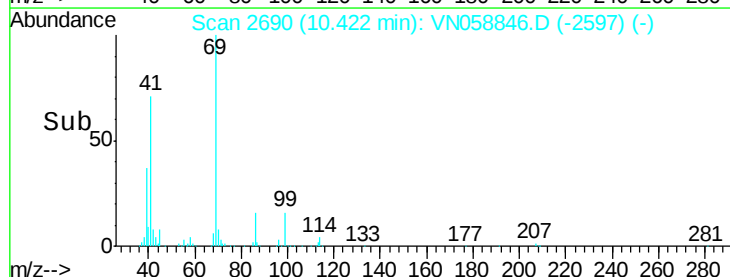
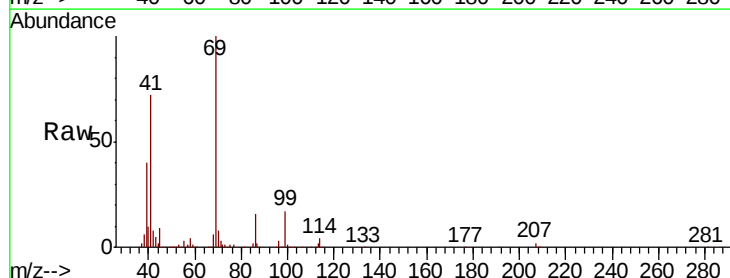
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#56
 Ethyl methacrylate
 Concen: 55.151 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion:	69	Resp:	398158
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.2	85.8
39	38.7	31.0	46.4





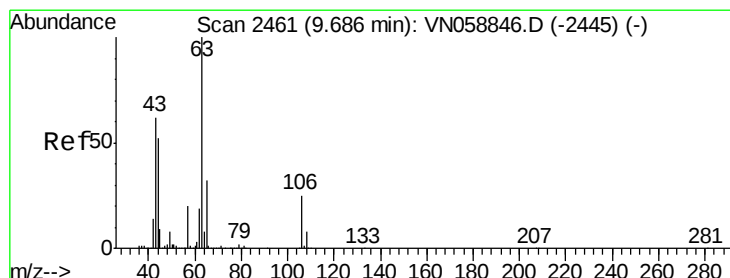
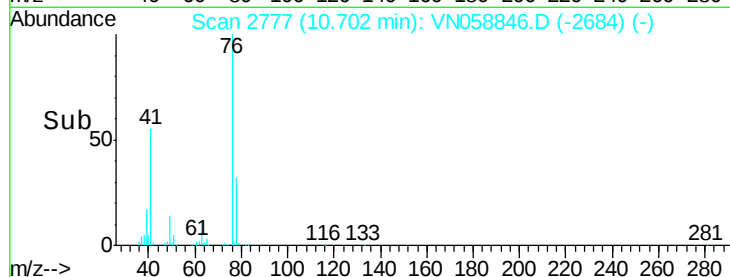
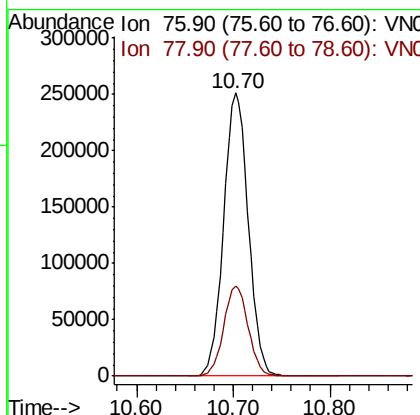
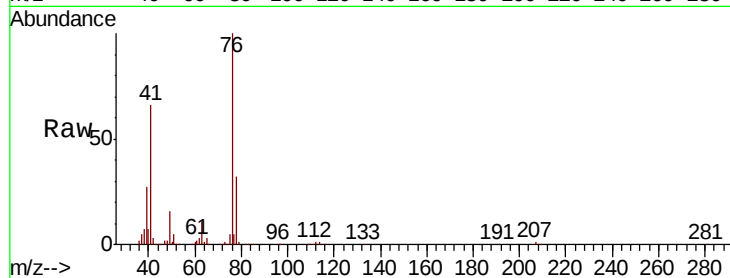
#57
 1,3-Dichloropropane
 Concen: 52.646 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.0

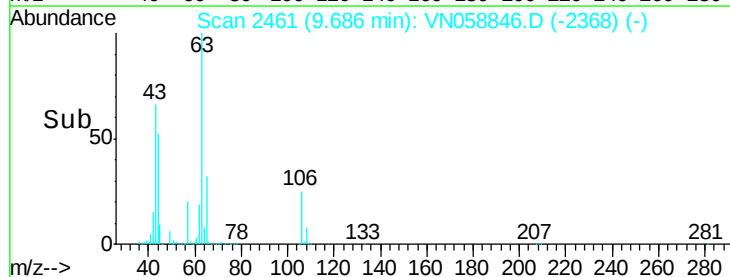
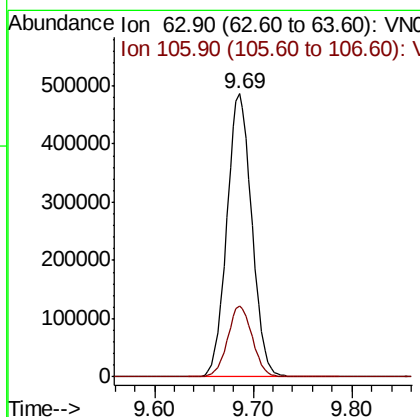
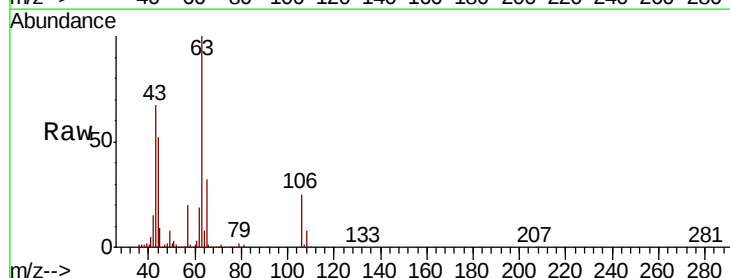
Manual Integrations
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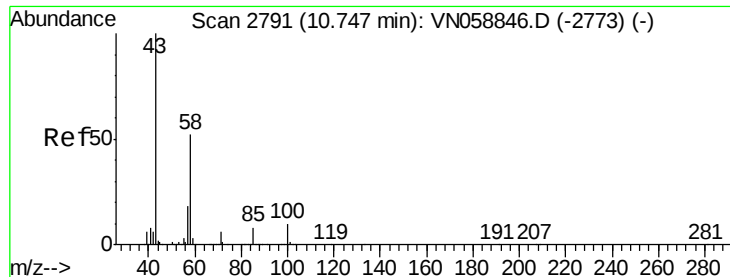
MMDadoda
 10/21/2019 10:43:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.438 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.8	29.8





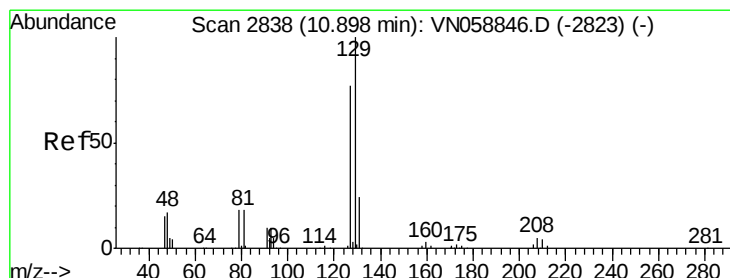
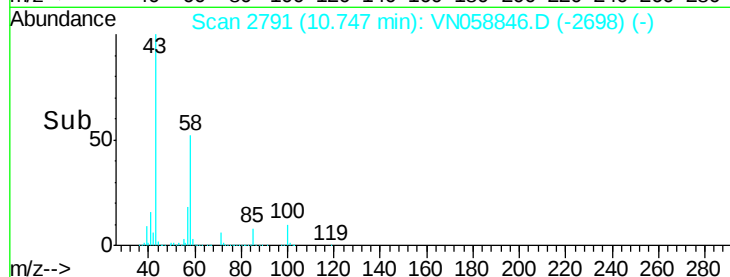
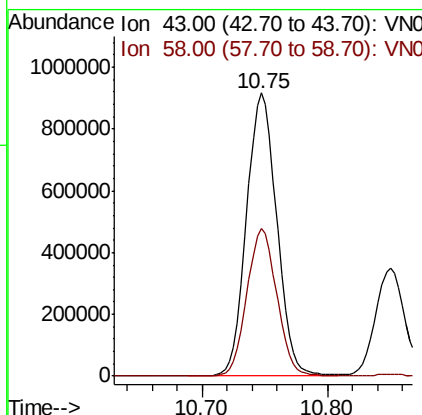
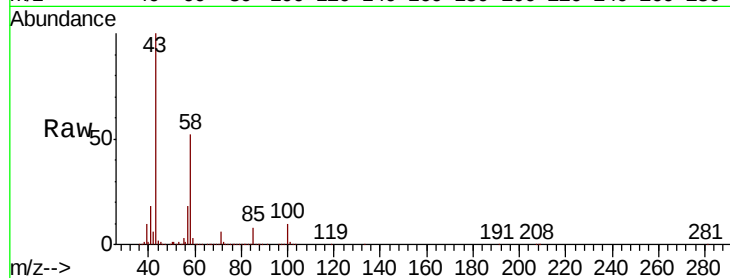
#59
2-Hexanone
Concen: 293.991 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1529670
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

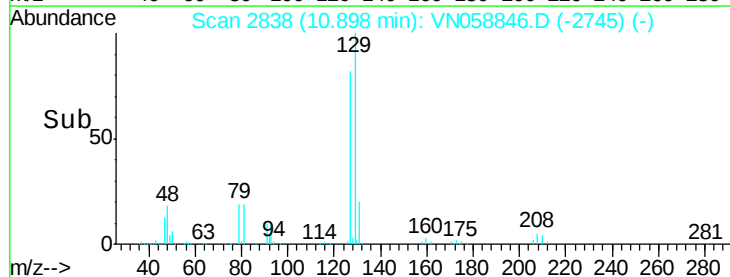
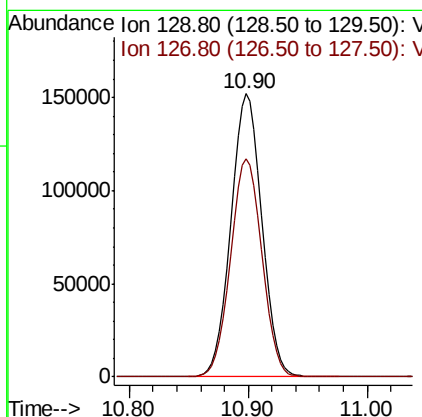
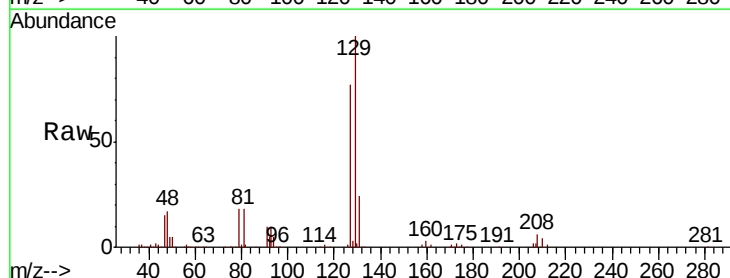
Manual Integrations
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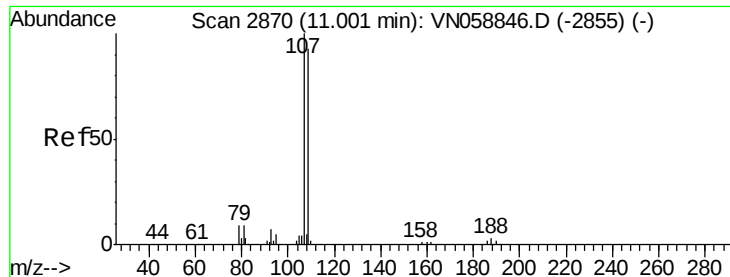
MMDadoda
10/21/2019 10:43:34 AM



#60
Dibromochloromethane
Concen: 53.640 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 129 Resp: 273683
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





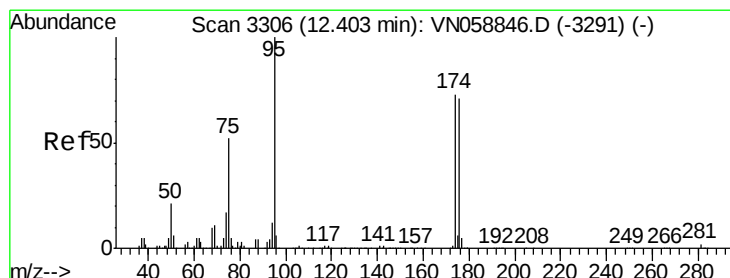
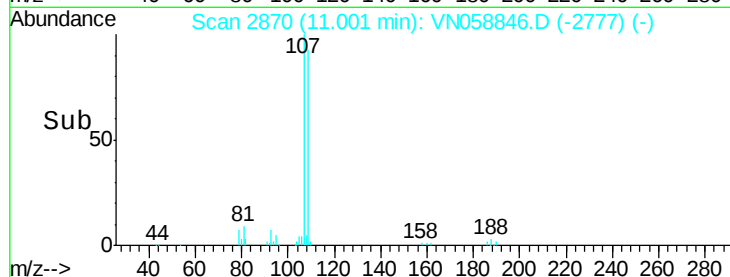
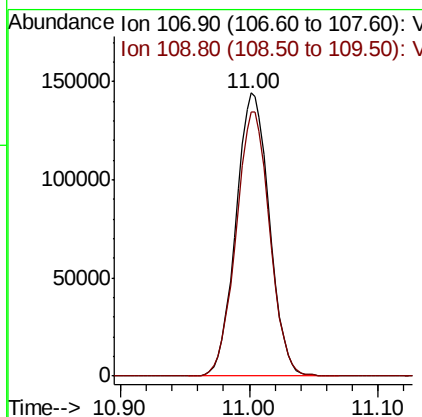
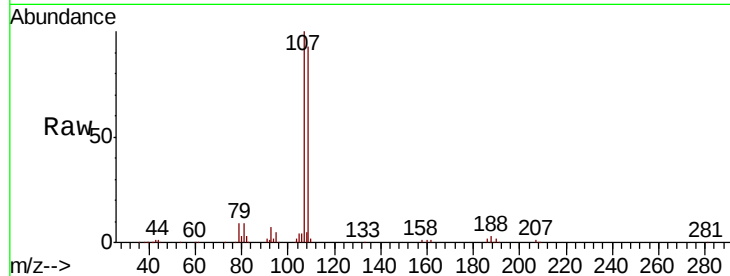
#61
 1,2-Dibromoethane
 Concen: 52.520 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8

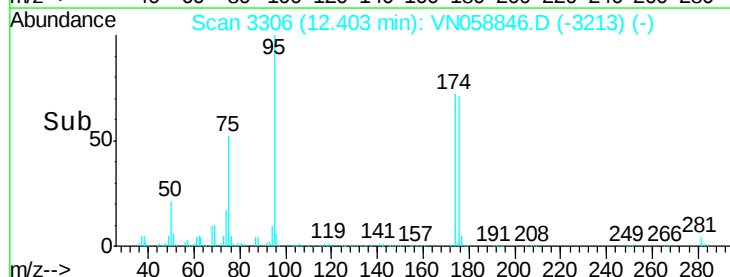
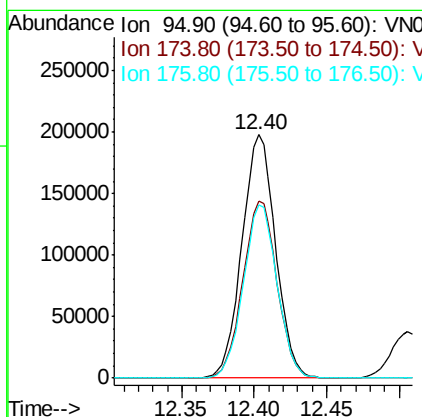
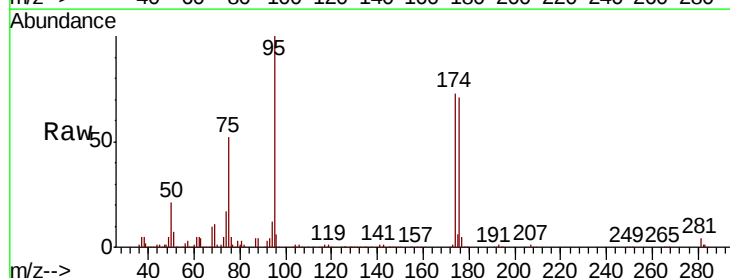
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 10/21/2019 10:43:34 AM



#62
 4-Bromofluorobenzene
 Concen: 50.624 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	147.6
176	71.6	0.0	143.2





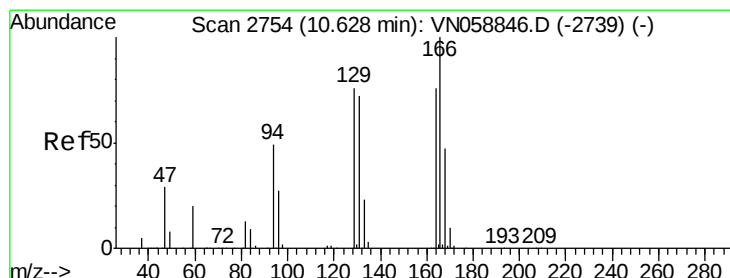
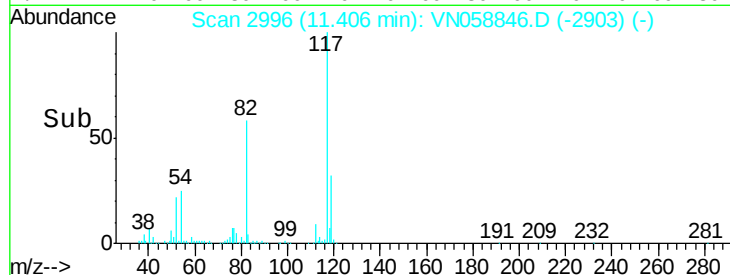
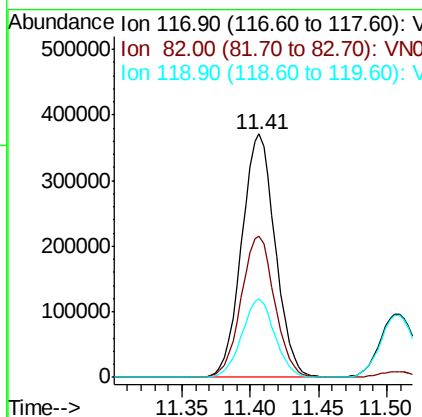
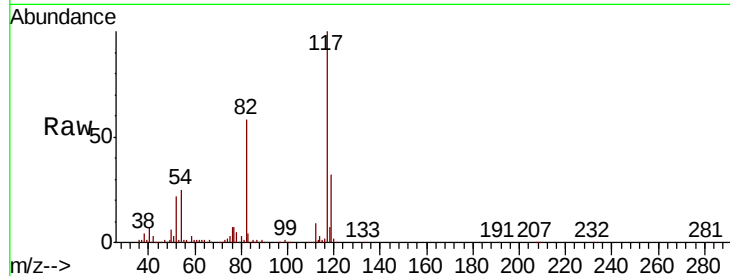
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	58.2	46.6	69.8
119	32.0	25.6	38.4

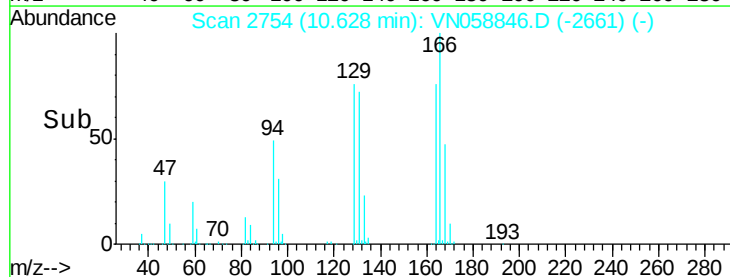
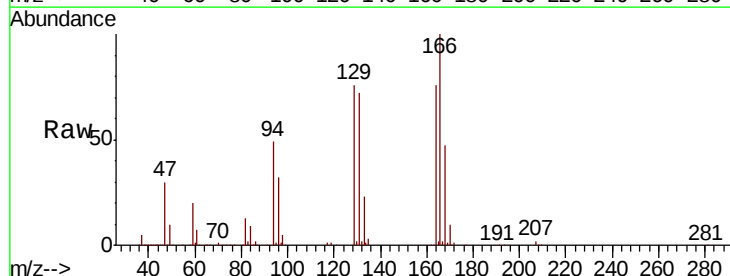
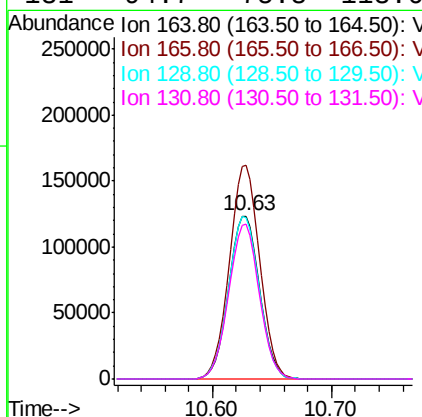
Manual Integrations
APPROVED

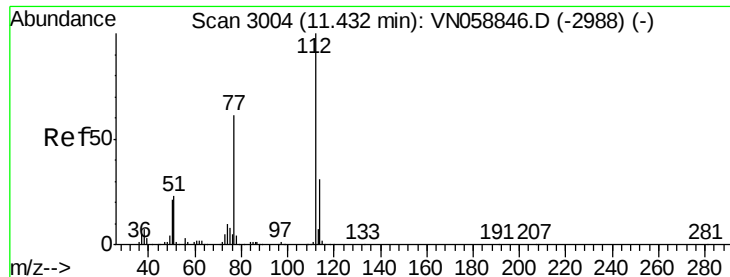
MMDadoda
10/21/2019 10:43:34 AM



#64
Tetrachloroethene
Concen: 50.079 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	131.0	104.8	157.2
129	99.1	79.3	118.9
131	94.7	75.8	113.6





#65

Chlorobenzene

Concen: 51.005 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 658162

Ion Ratio Lower Upper

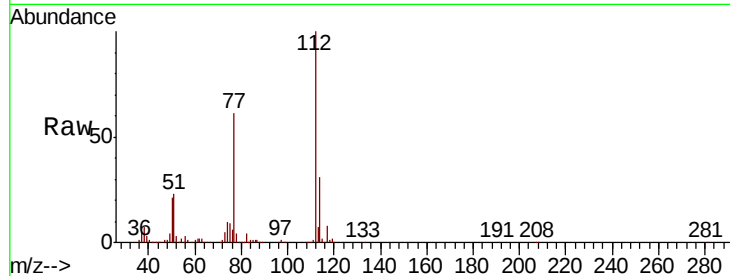
112 100

114 31.4 25.1 37.7

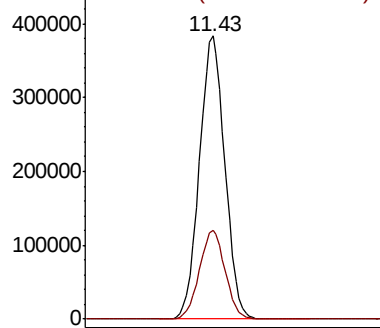
Manual Integrations
APPROVED

MMDadoda

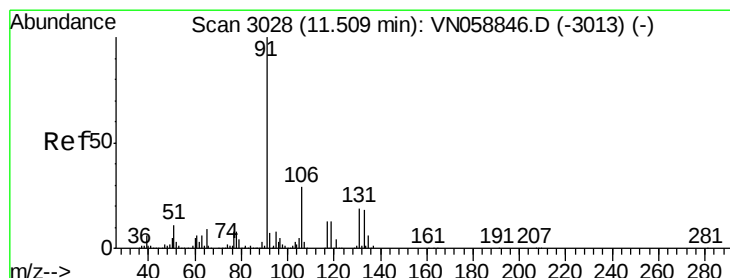
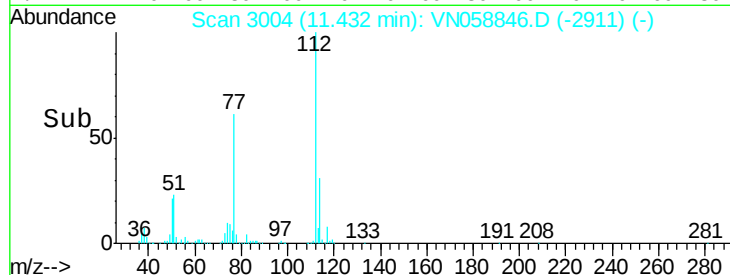
10/21/2019 10:43:34 AM



Abundance Ion 111.90 (111.60 to 112.60): V



Time--> 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 51.839 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

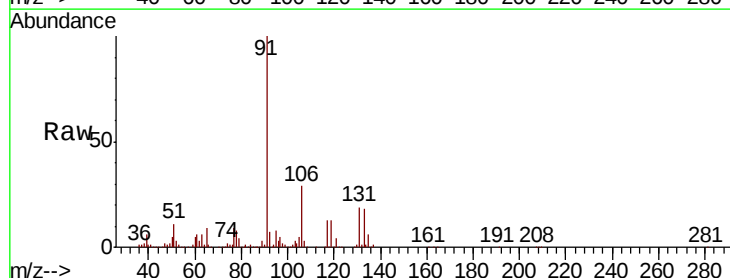
Tgt Ion:131 Resp: 247579

Ion Ratio Lower Upper

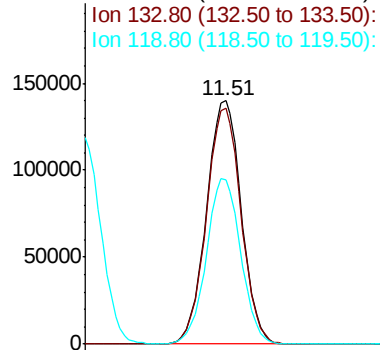
131 100

133 96.8 48.4 145.2

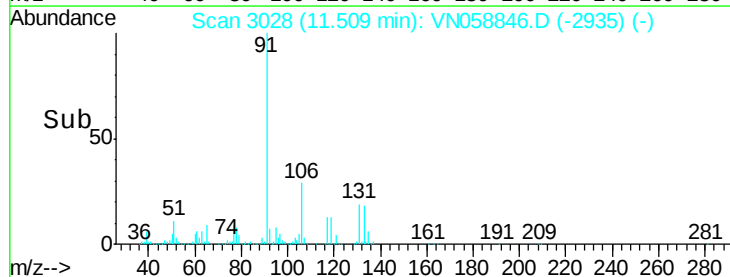
119 67.2 33.6 100.8

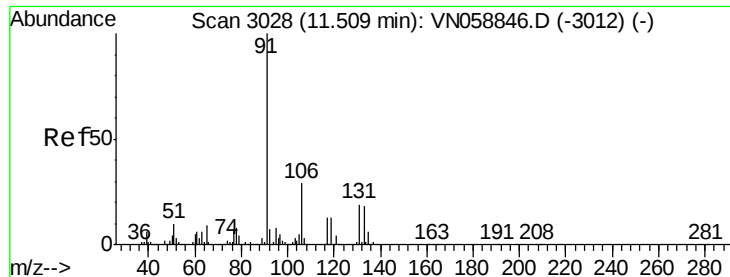


Abundance Ion 130.80 (130.50 to 131.50): V



Time--> 11.45 11.55 11.60





#67

Ethyl Benzene

Concen: 53.681 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1234443

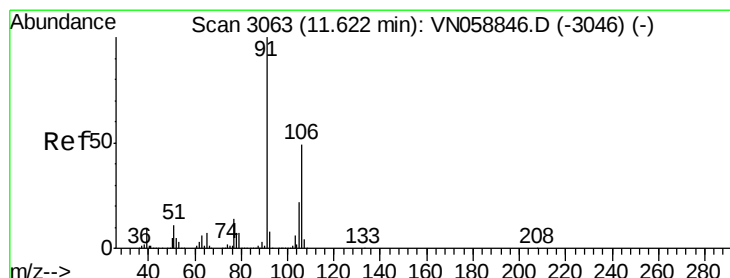
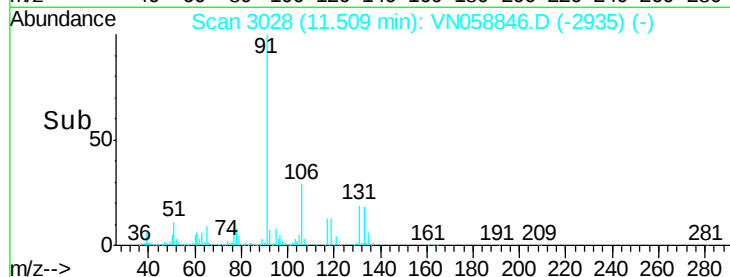
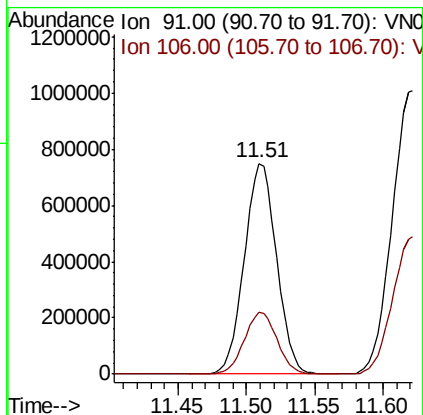
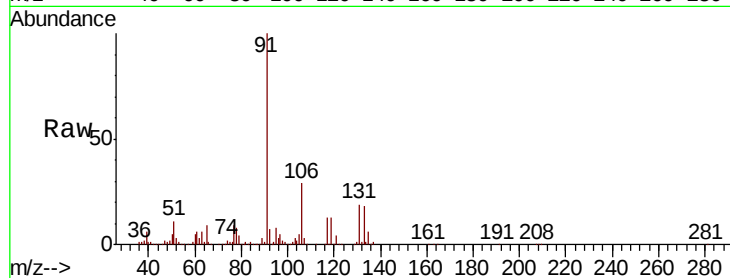
Ion Ratio Lower Upper

91 100

106 29.2 23.4 35.0

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#68

m/p-Xylenes

Concen: 106.356 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058846.D

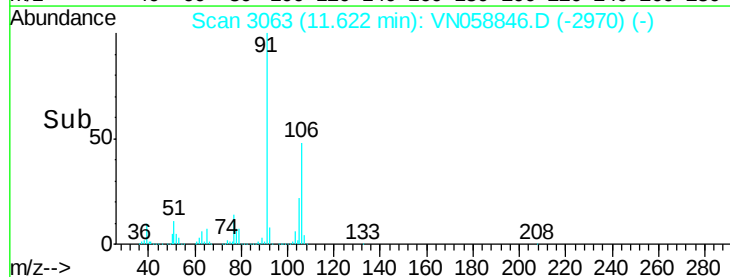
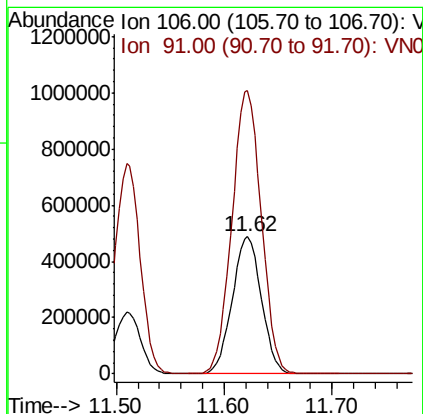
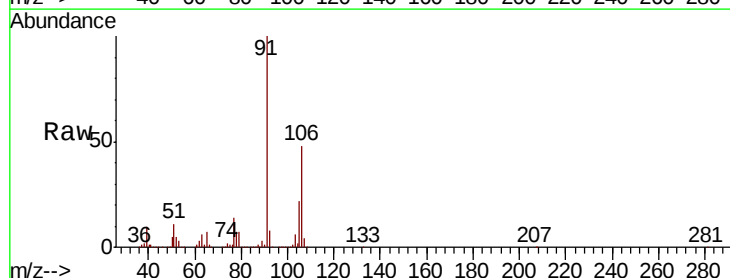
Acq: 18 Oct 2019 9:59

Tgt Ion: 106 Resp: 917522

Ion Ratio Lower Upper

106 100

91 208.2 166.6 249.8





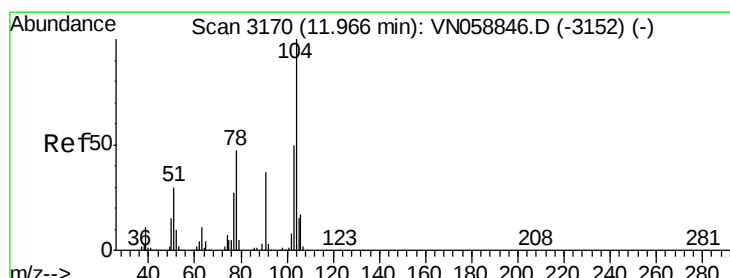
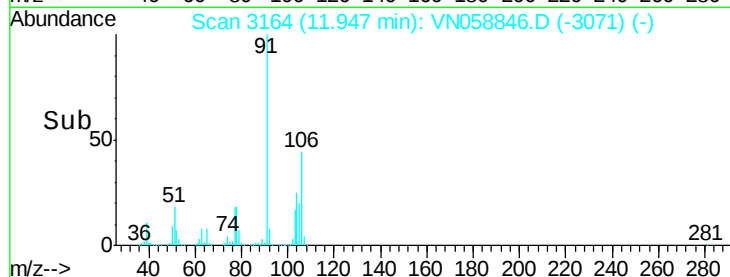
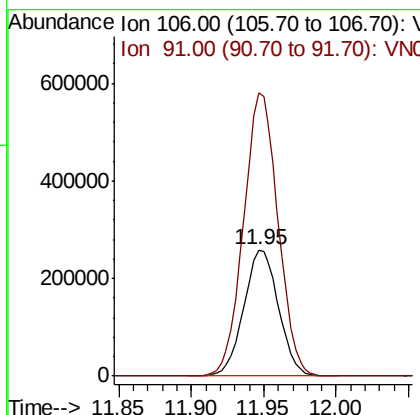
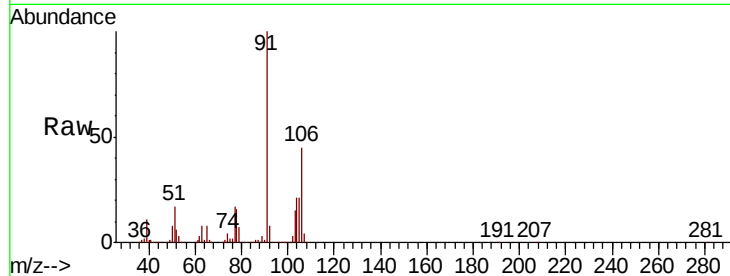
#69
o-Xylene
Concen: 51.745 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 431405
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.4

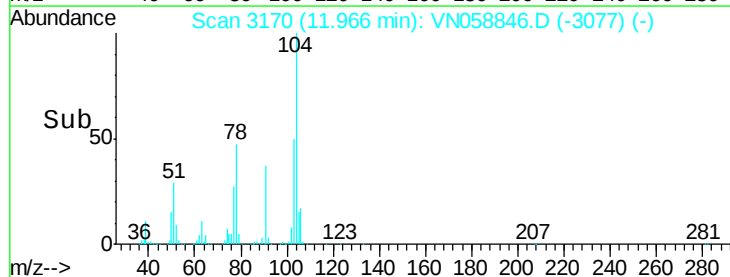
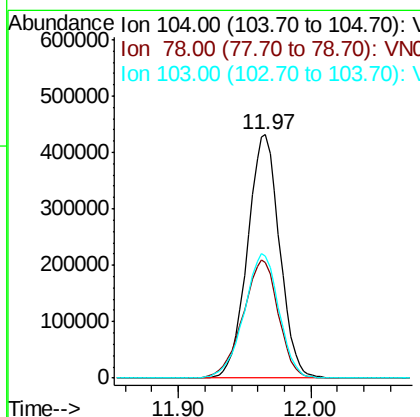
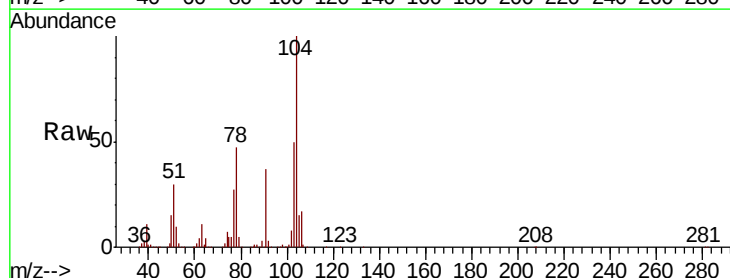
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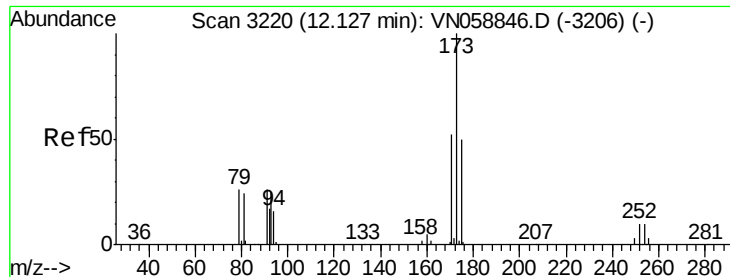
MMDadoda
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#70
Styrene
Concen: 53.133 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion:104 Resp: 725669
Ion Ratio Lower Upper
104 100
78 53.5 42.8 64.2
103 55.4 44.3 66.5





#71

Bromoform

Concen: 55.009 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

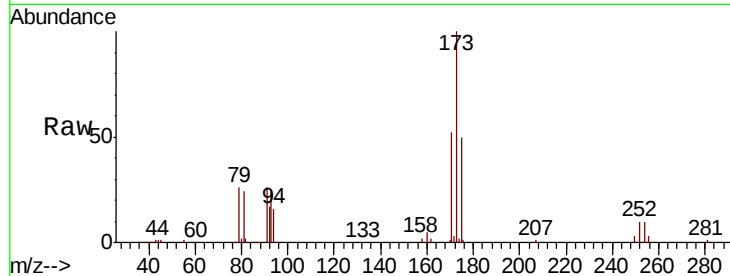
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.0	0.0	0.0#

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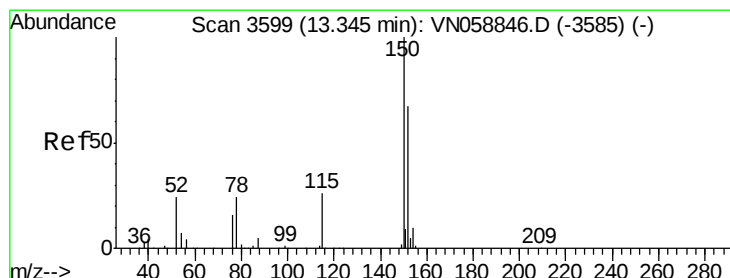
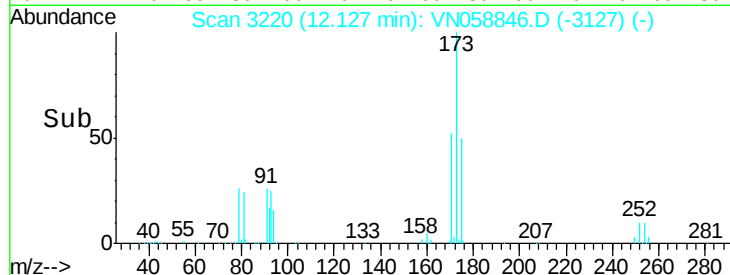
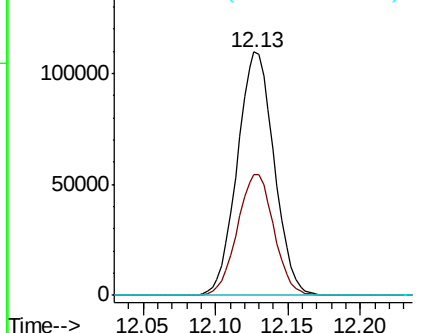


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

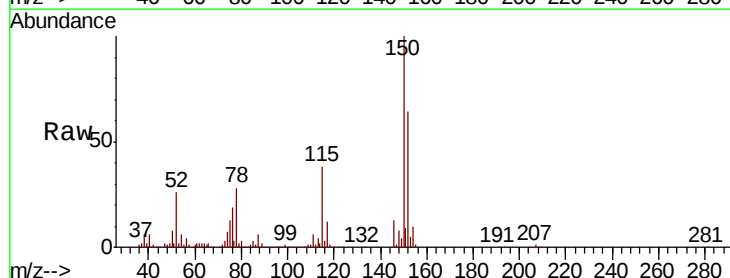
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.5	91.5
150	172.2	0.0	344.4

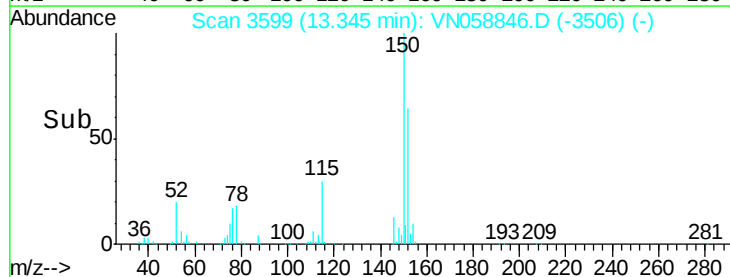
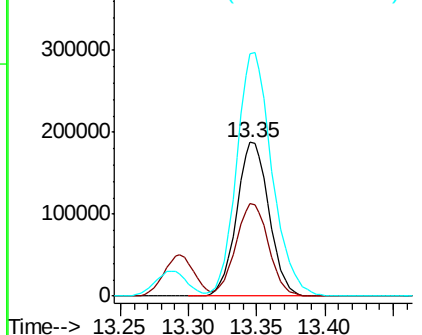


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.434 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 1182419

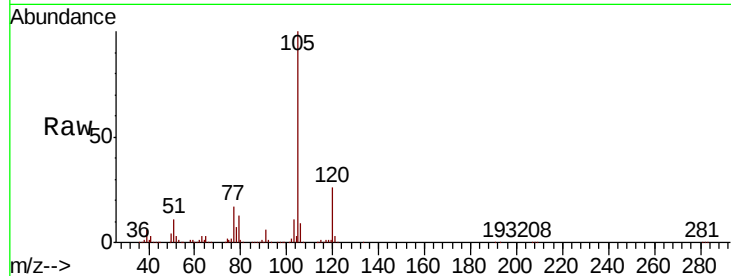
Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4

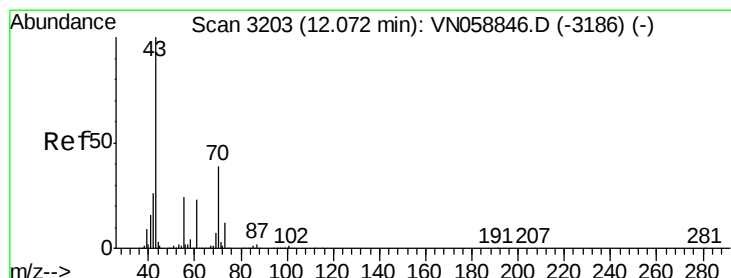
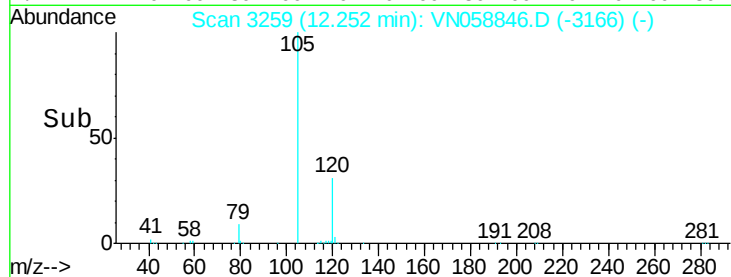
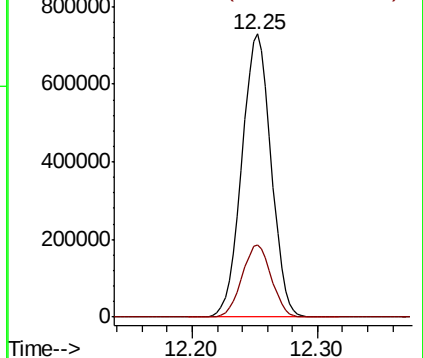
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.090 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion: 43 Resp: 562616

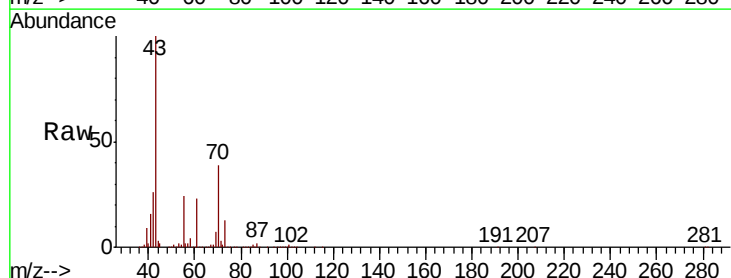
Ion Ratio Lower Upper

43 100

70 38.6 30.9 46.3

55 24.6 19.7 29.5

61 22.8 18.2 27.4

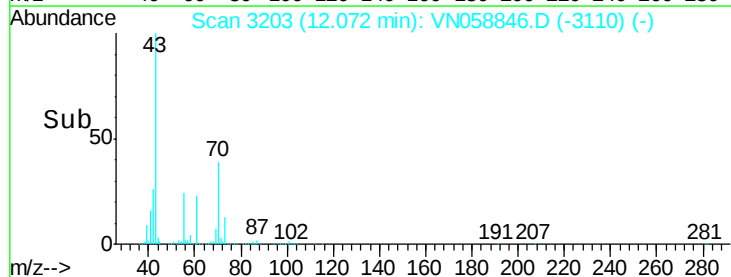
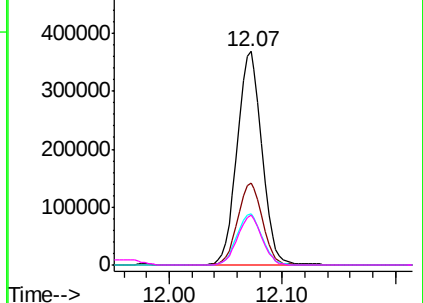


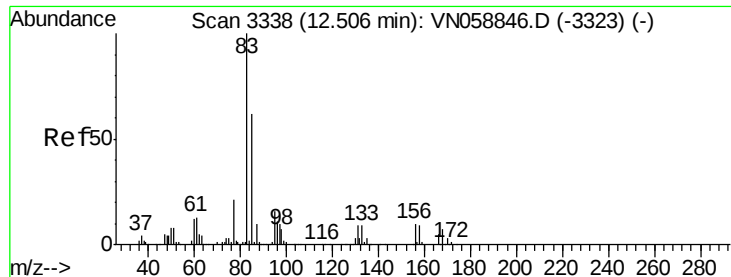
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 52.561 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 393606
Ion Ratio Lower Upper

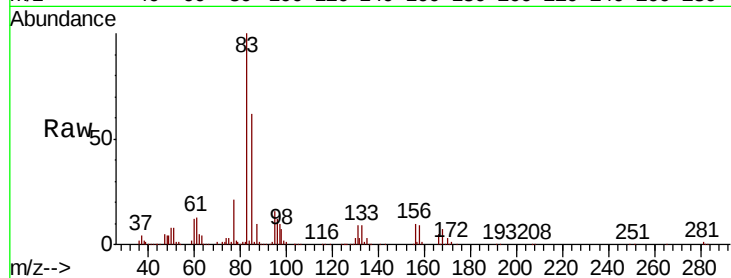
83 100

131 9.4 4.7 14.1

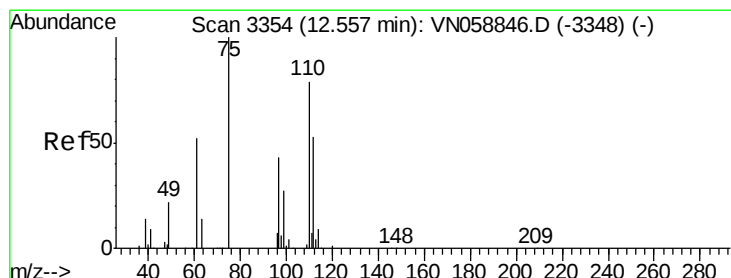
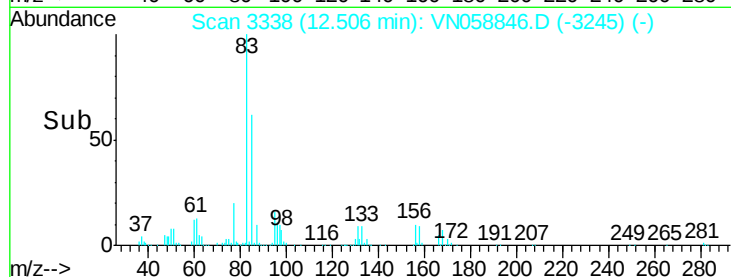
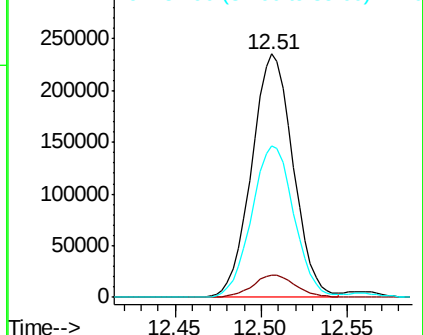
85 63.4 31.7 95.1

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Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-3338) (-)
Ion 130.80 (130.50 to 131.50): VN058846.D (-3338) (-)
Ion 84.90 (84.60 to 85.60): VN058846.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 49.407 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

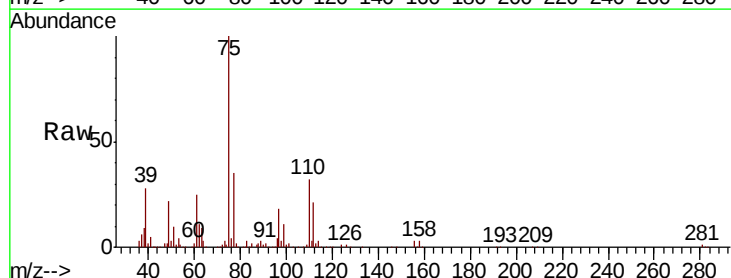
Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

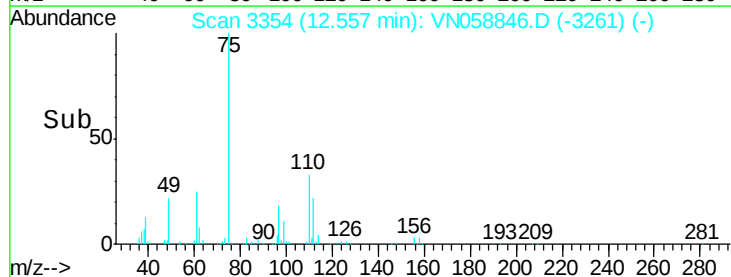
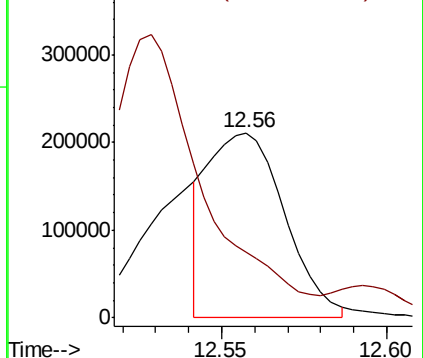
Tgt Ion: 75 Resp: 343703
Ion Ratio Lower Upper

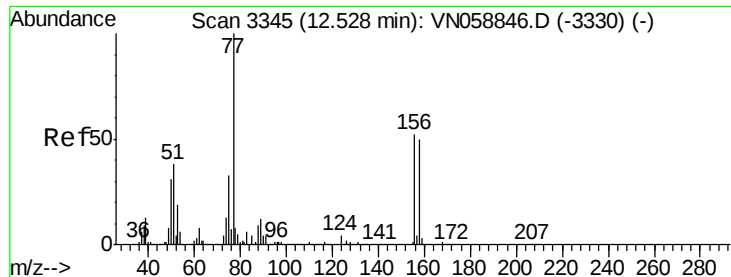
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3354) (-)
Ion 77.00 (76.70 to 77.70): VN058846.D (-3354) (-)





#77

Bromobenzene

Concen: 50.731 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 278776

Ion Ratio Lower Upper

156 100

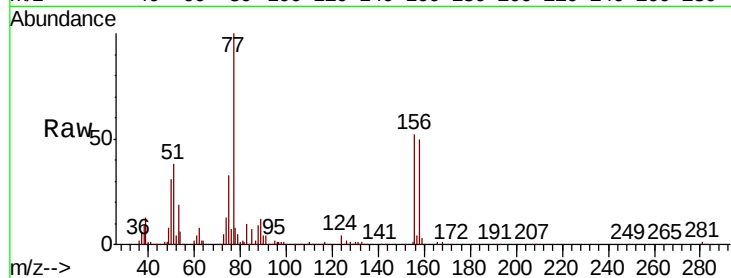
77 236.0 118.0 354.0

158 96.5 48.3 144.8

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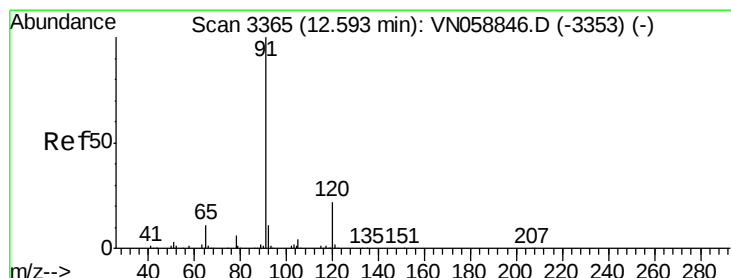
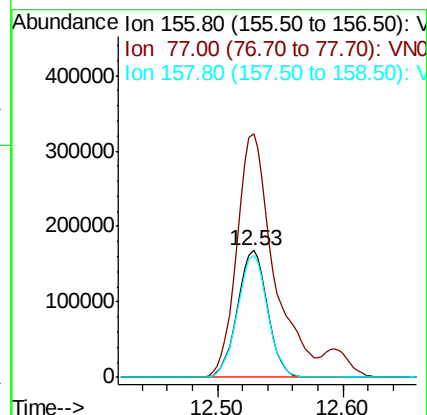
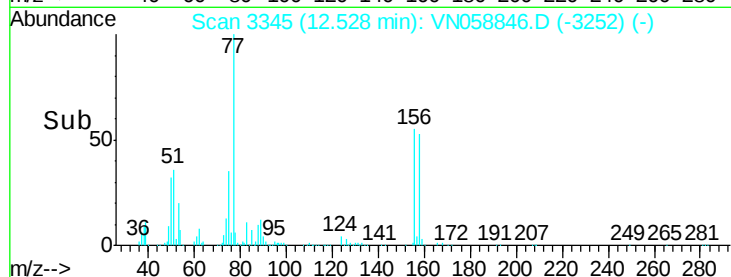
10/21/2019 10:43:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.026 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058846.D

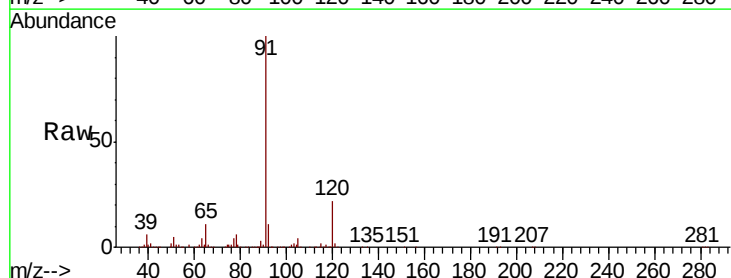
Acq: 18 Oct 2019 9:59

Tgt Ion: 91 Resp: 1421574

Ion Ratio Lower Upper

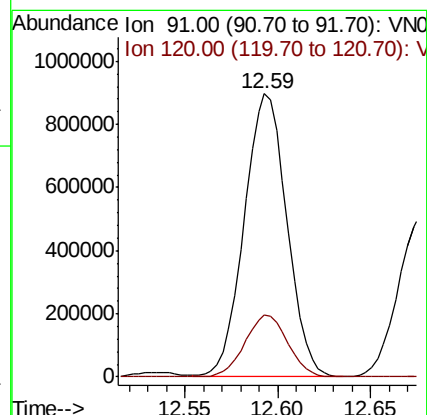
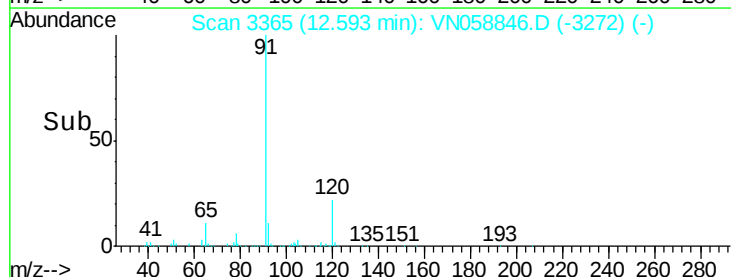
91 100

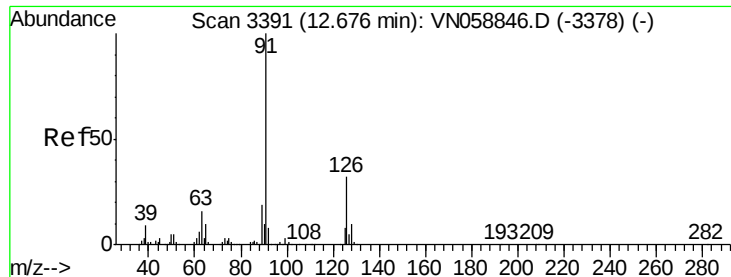
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





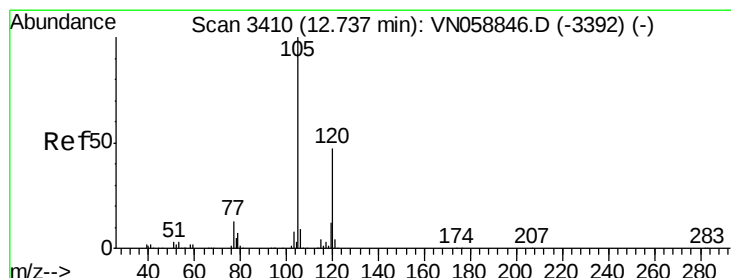
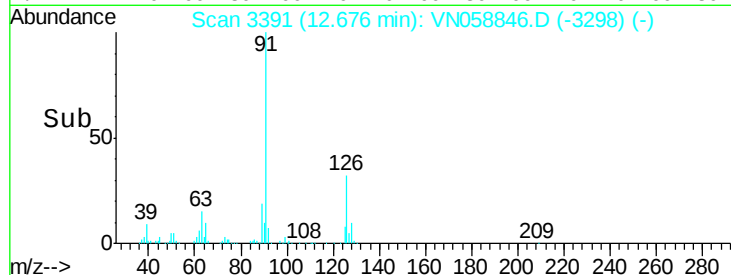
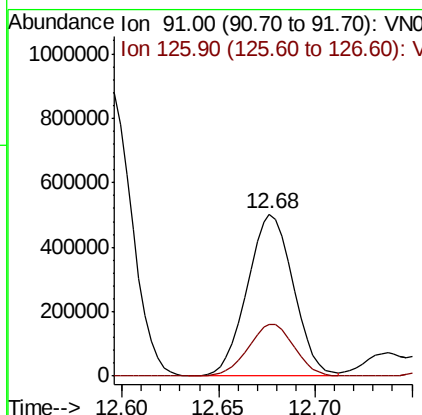
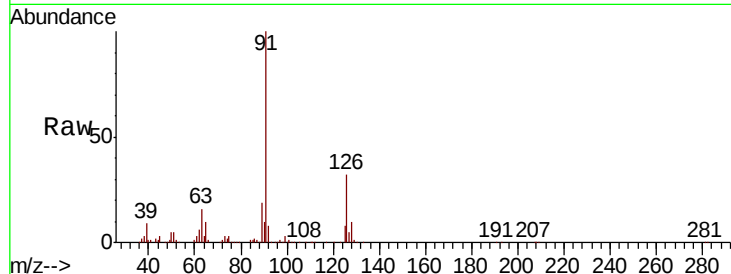
#79
 2-Chlorotoluene
 Concen: 50.815 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 829694
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.2 48.6

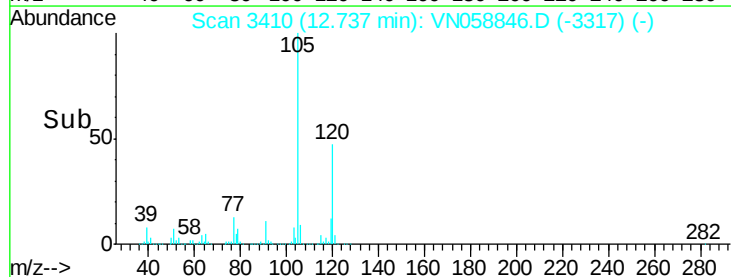
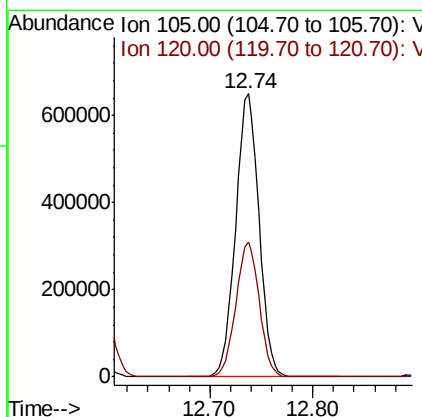
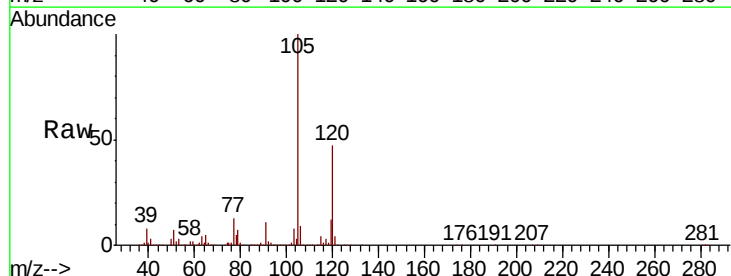
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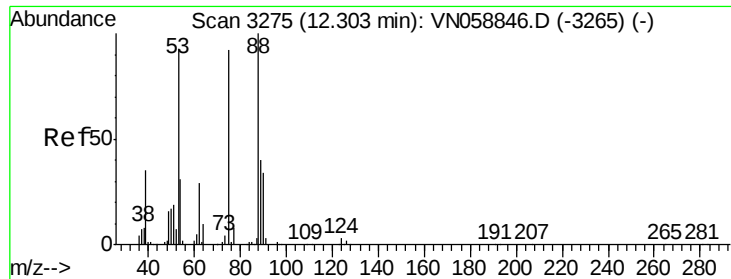
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.155 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion: 105 Resp: 1023351
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 54.824 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

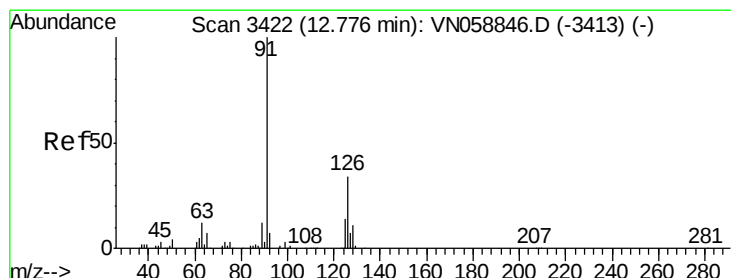
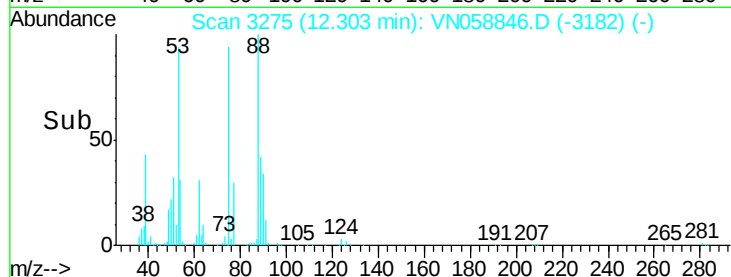
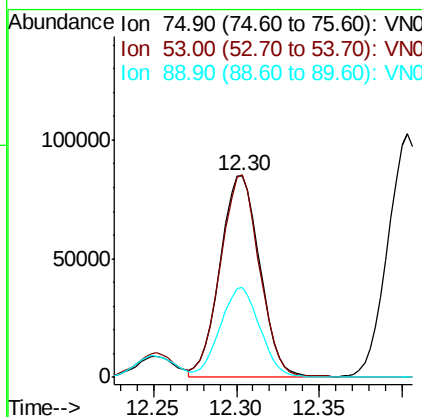
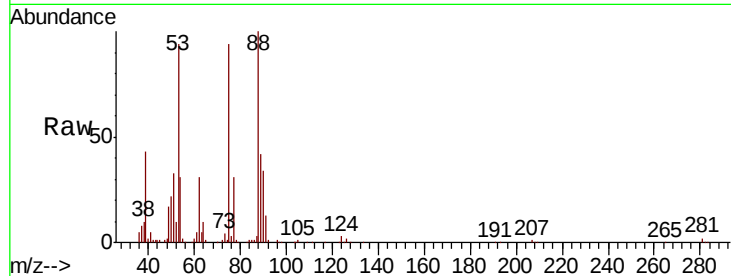
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	142092
Ion Ratio	Lower	Upper	
75	100		
53	98.3	78.6	118.0
89	44.2	35.4	53.0

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#82

4-Chlorotoluene

Concen: 51.802 ug/l

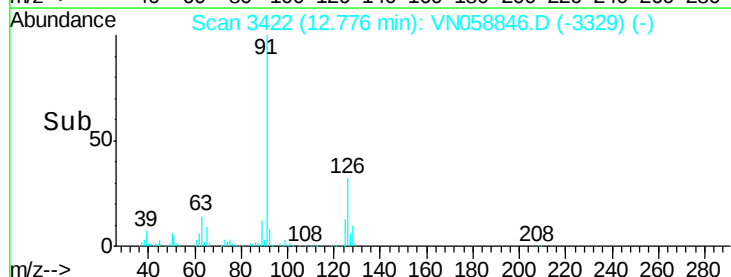
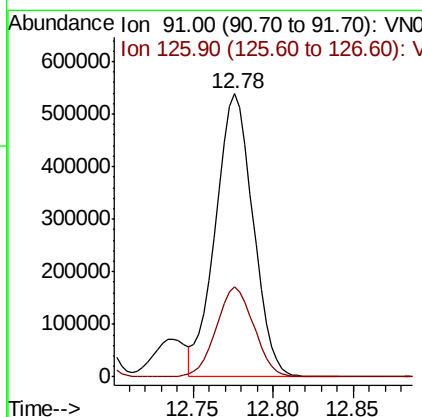
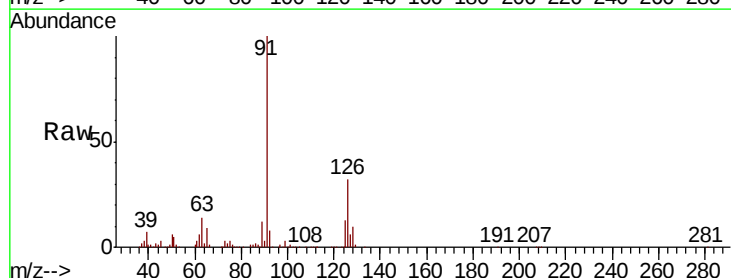
RT: 12.78 min Scan# 3422

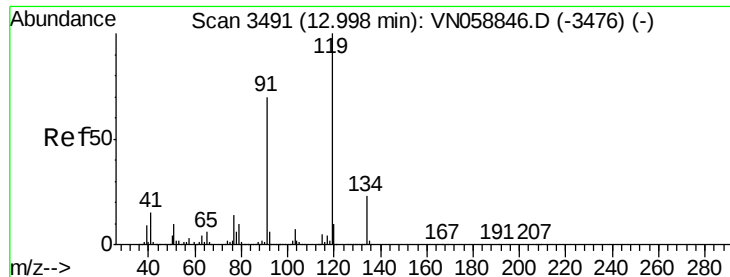
Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion:	91	Resp:	867556
Ion Ratio	Lower	Upper	
91	100		
126	31.9	16.0	47.9





#83

tert-Butylbenzene

Concen: 51.674 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

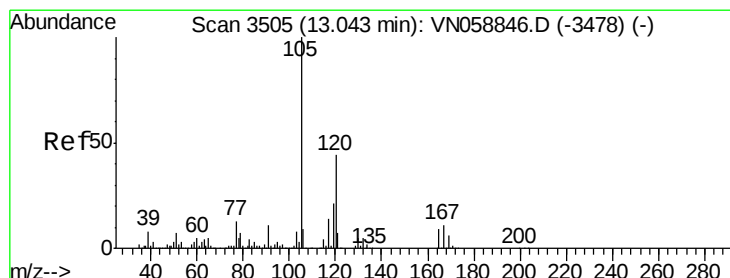
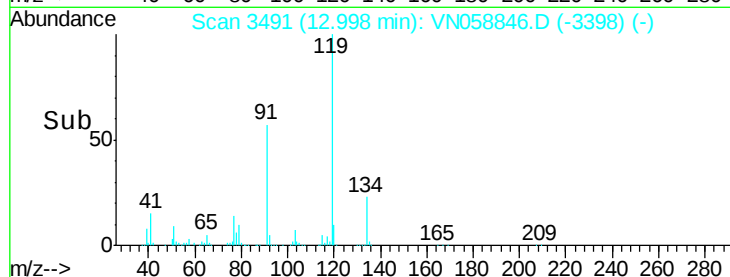
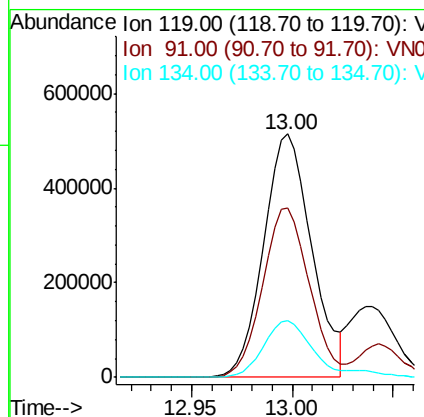
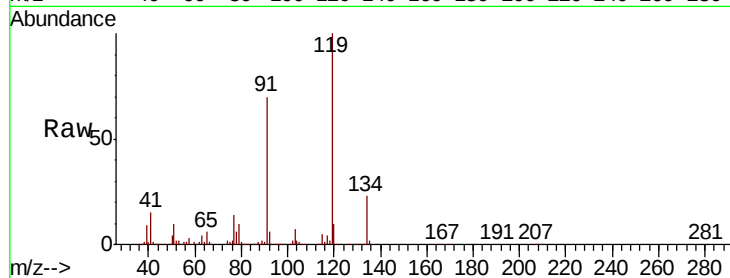
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	852055
Ion Ratio	Lower	Upper	
119	100		
91	68.2	34.1	102.3
134	23.2	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 53.943 ug/l

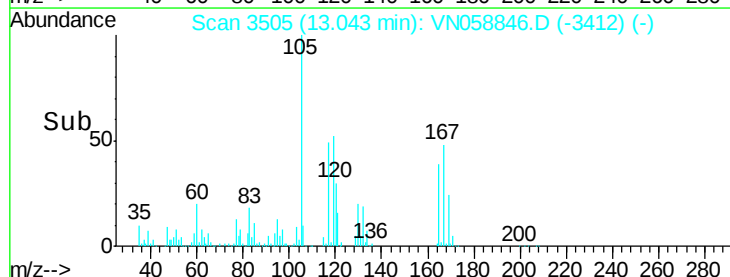
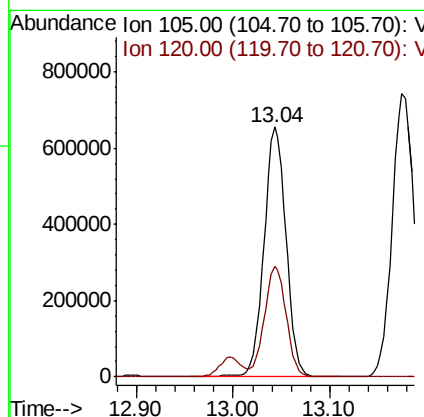
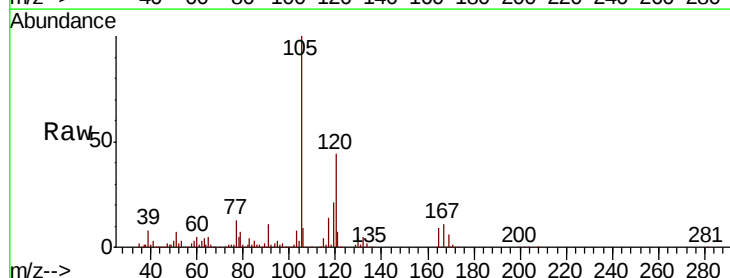
RT: 13.04 min Scan# 3505

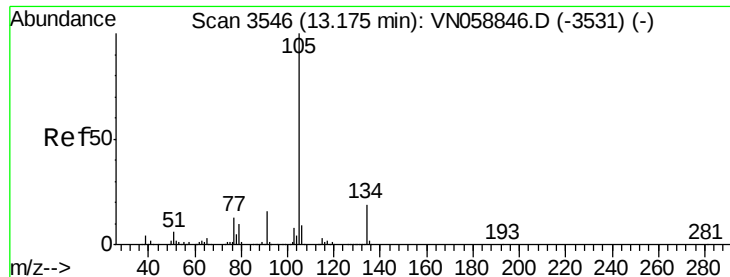
Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion:	105	Resp:	1032383
Ion Ratio	Lower	Upper	
105	100		
120	43.9	21.9	65.8





#85

sec-Butylbenzene

Concen: 53.942 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1173229

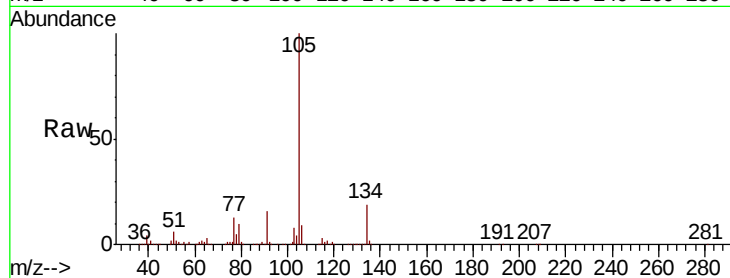
Ion Ratio Lower Upper

105 100

134 18.8 9.4 28.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

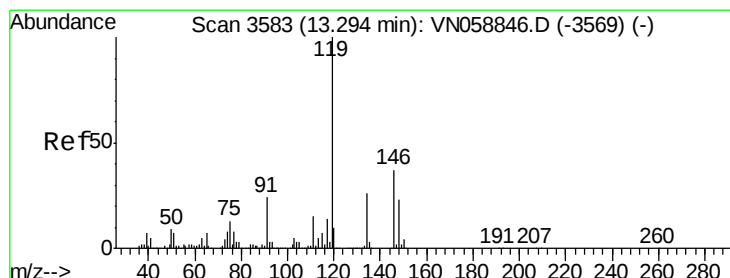
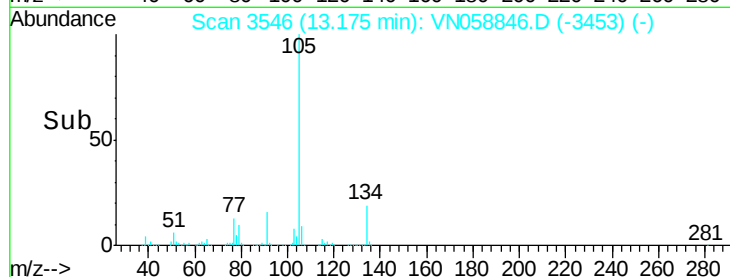
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.619 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

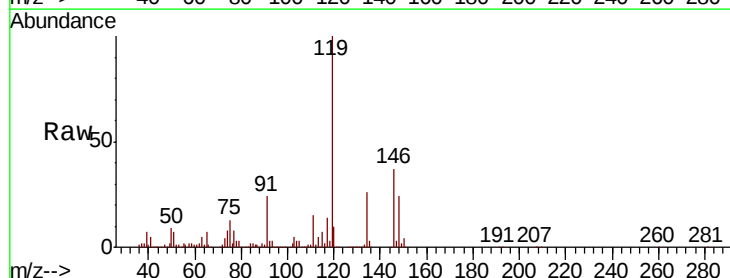
Tgt Ion:119 Resp: 1057234

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.3 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

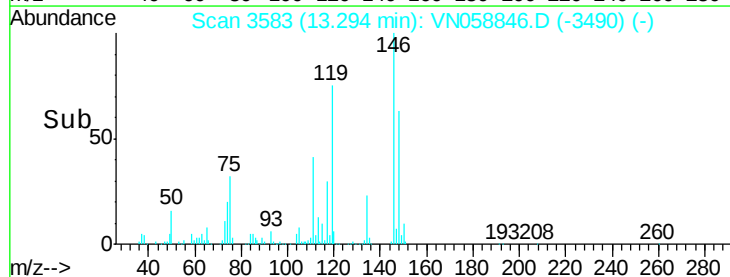
600000

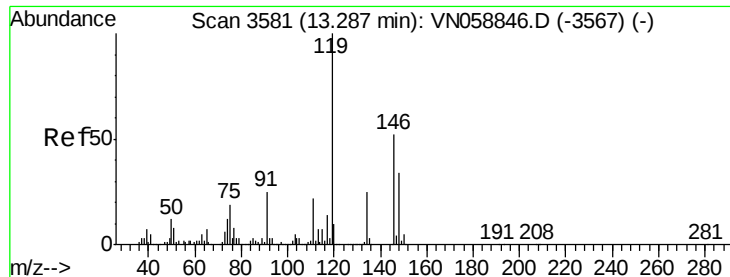
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.407 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058846.D

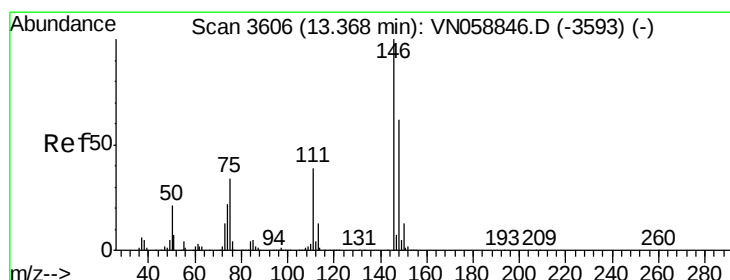
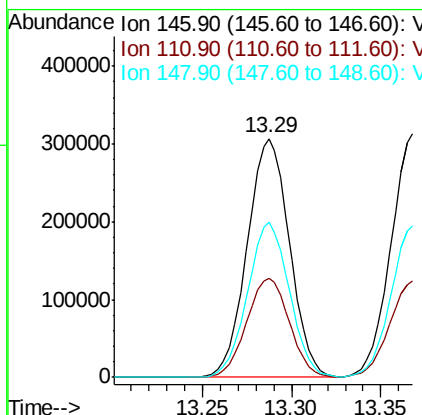
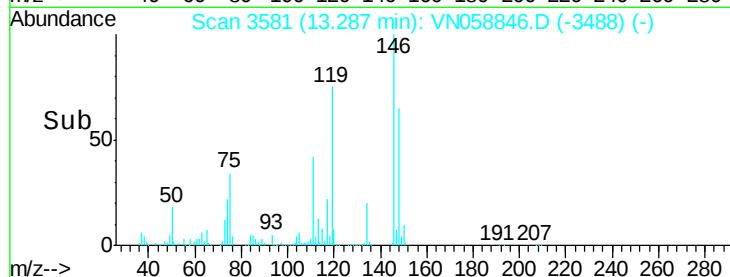
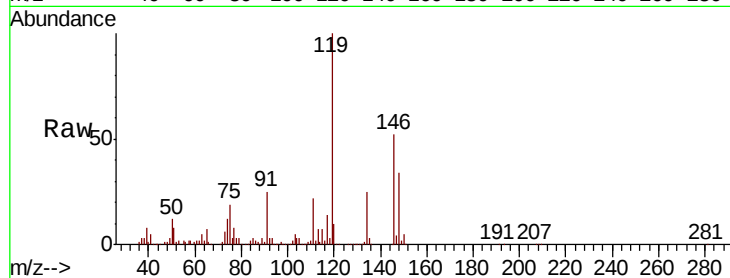
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.0	21.0	63.0	
148	64.2	32.1	96.3	

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#88

1,4-Dichlorobenzene

Concen: 49.446 ug/l

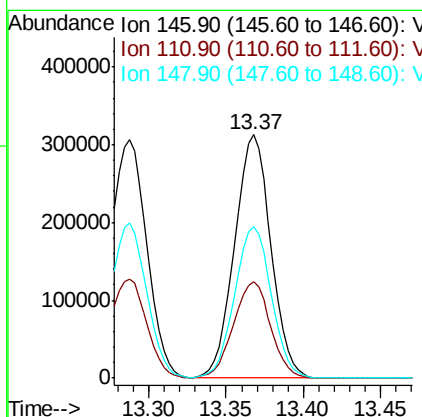
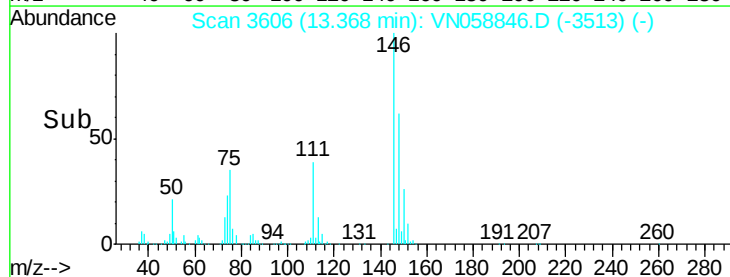
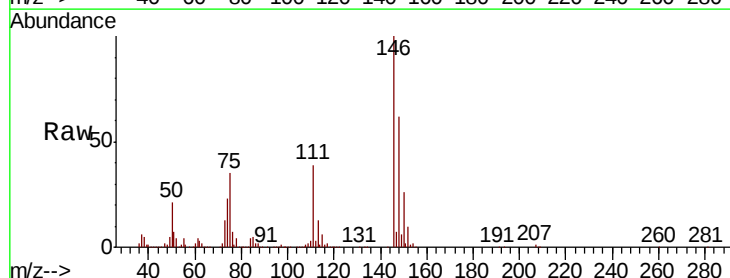
RT: 13.37 min Scan# 3606

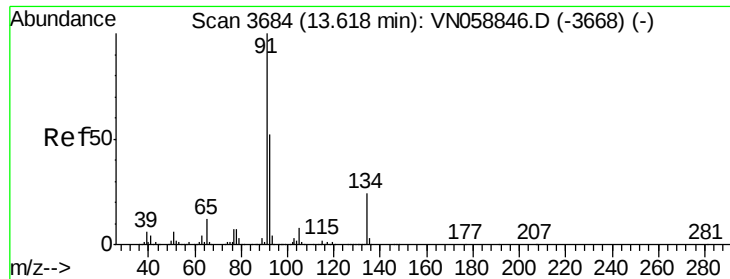
Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.4	20.2	60.6	
148	63.1	31.6	94.7	





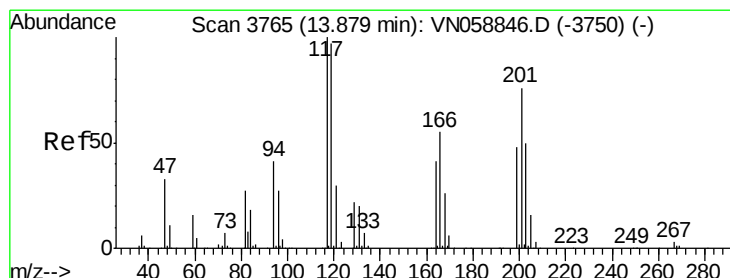
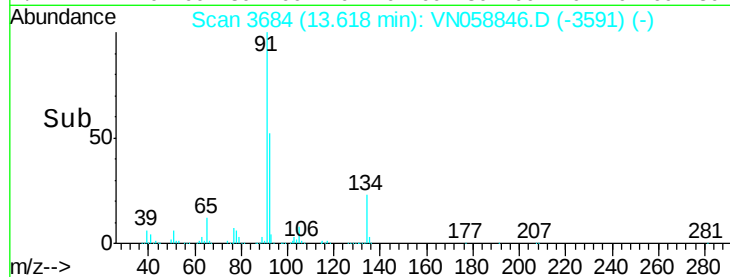
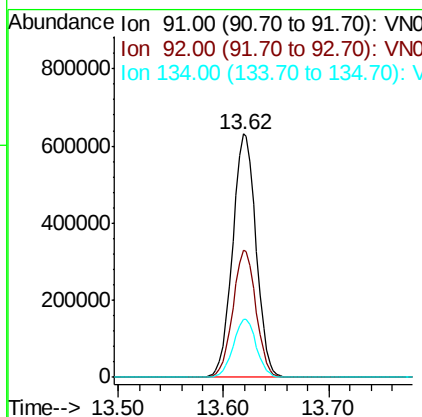
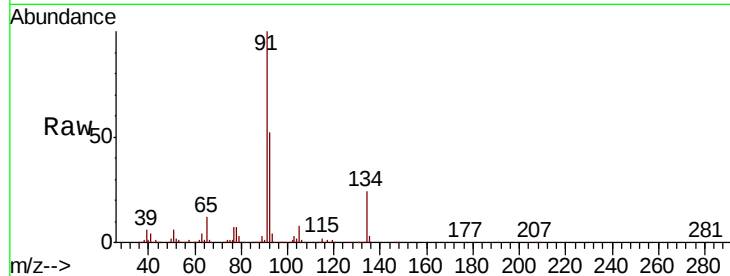
#89
n-Butylbenzene
Concen: 53.033 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	23.7	11.9	35.5

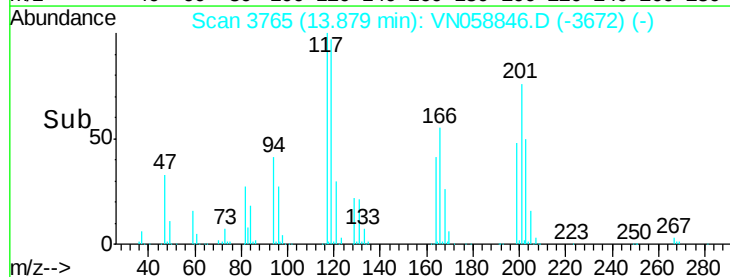
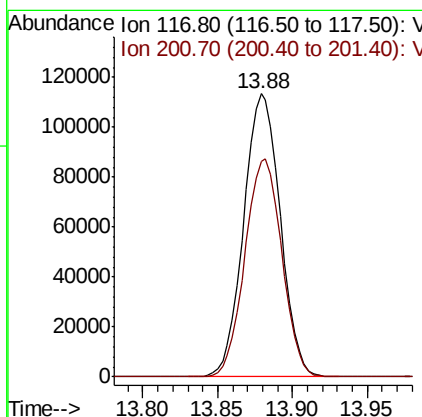
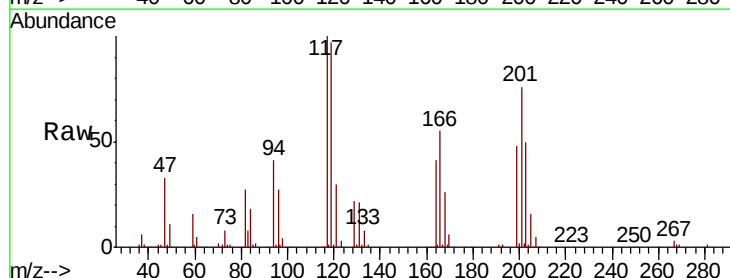
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#90
Hexachloroethane
Concen: 54.152 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.9	116.6





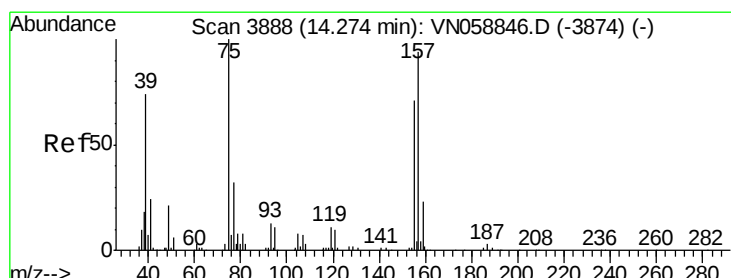
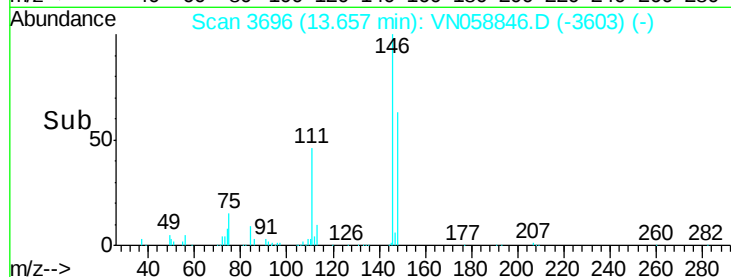
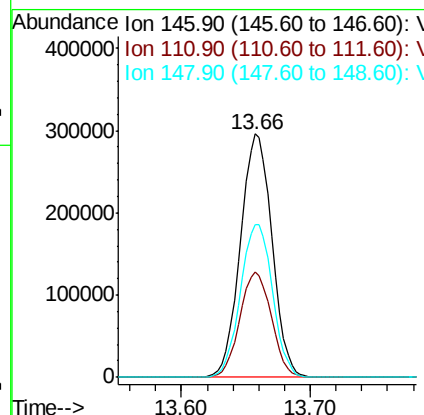
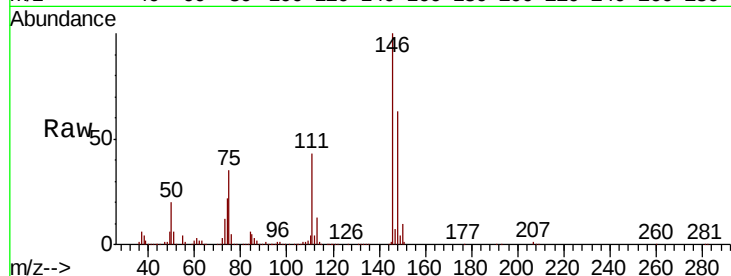
#91
 1,2-Dichlorobenzene
 Concen: 51.051 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	63.9	31.9	95.9

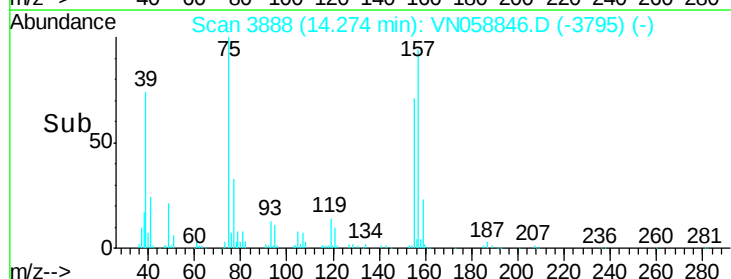
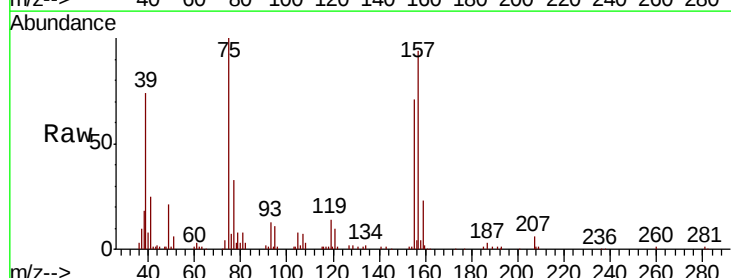
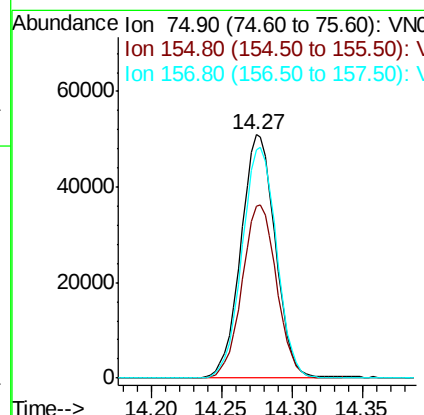
Manual Integrations
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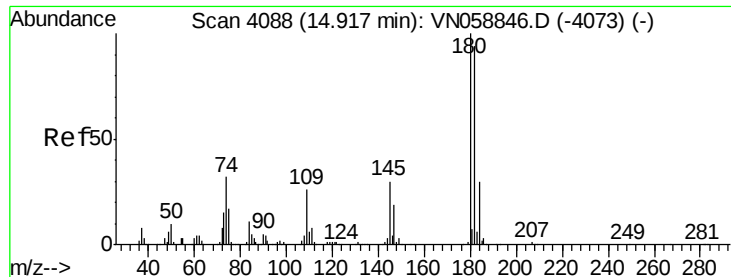
MMDadoda
 10/21/2019 10:43:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.833 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	35.6	106.8
157	94.8	47.4	142.2





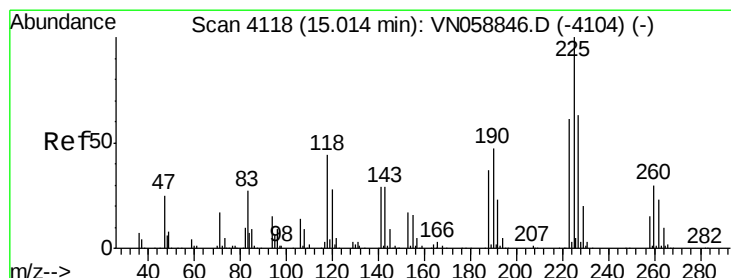
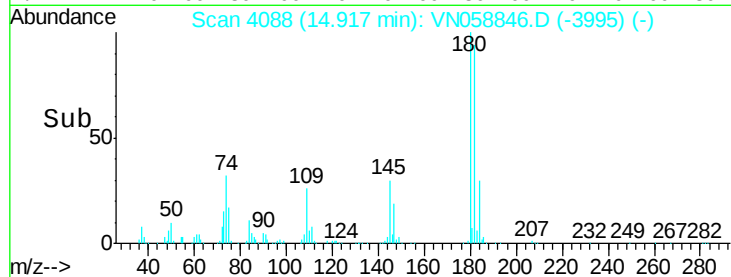
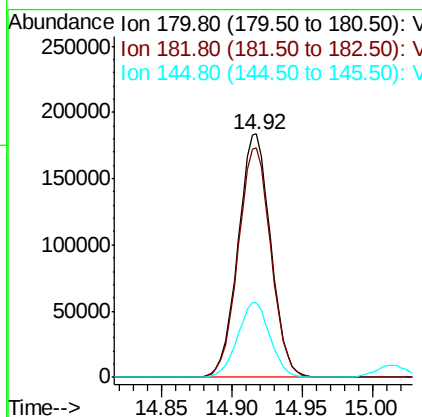
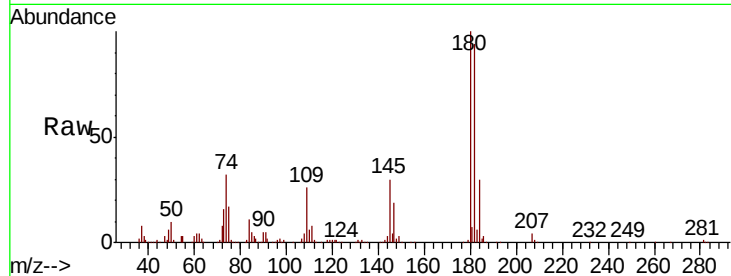
#93
 1,2,4-Trichlorobenzene
 Concen: 49.895 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297467		
182	94.7	47.3	142.0	
145	30.5	15.3	45.8	

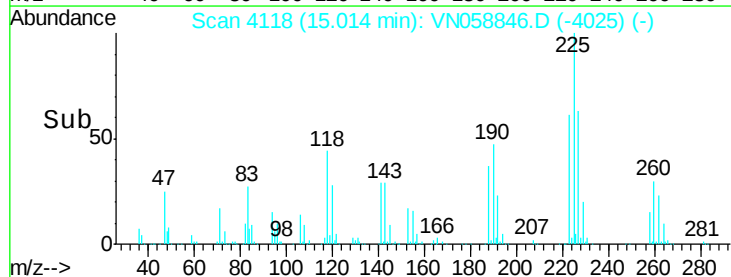
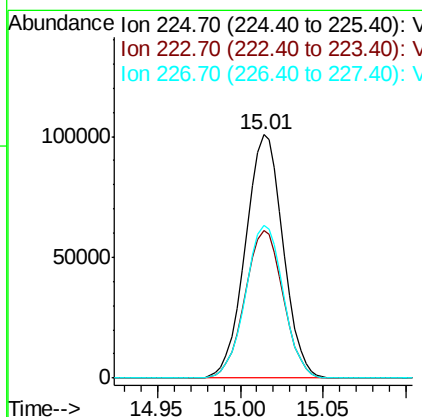
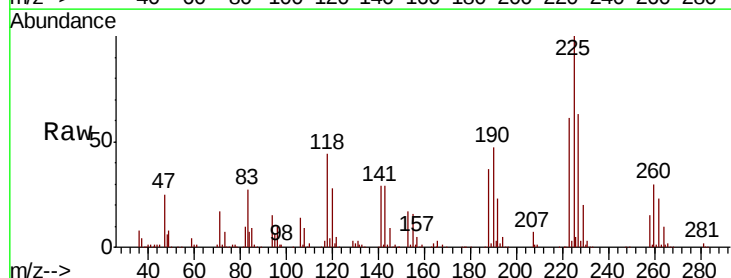
Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:34 AM



#94
 Hexachlorobutadiene
 Concen: 50.338 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159492		
223	61.7	30.9	92.5	
227	63.1	31.6	94.7	





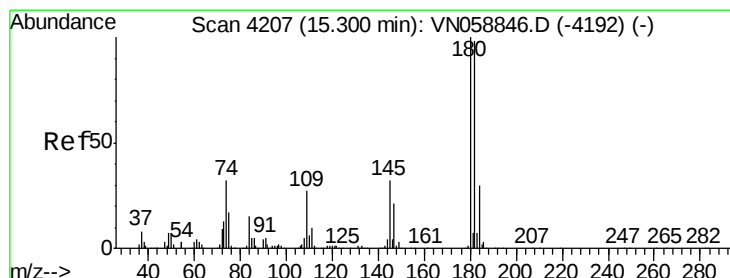
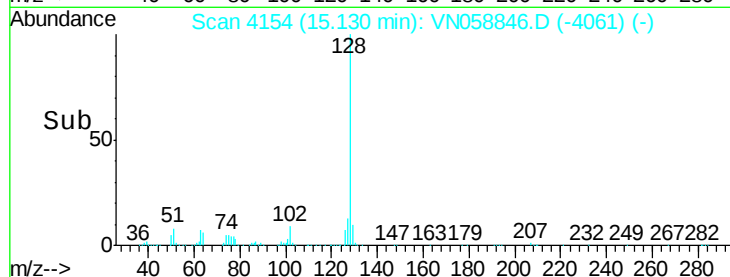
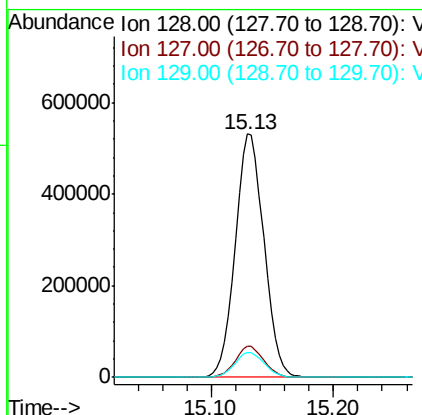
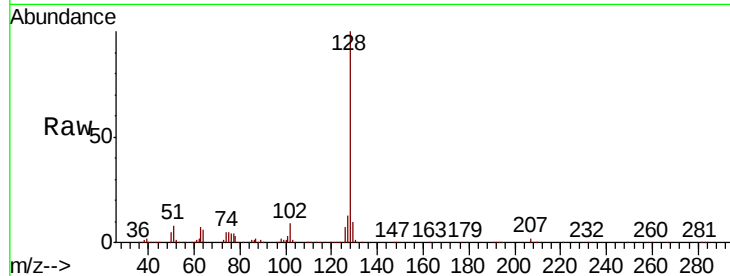
#95
Naphthalene
Concen: 50.582 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.402 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.8	15.9	47.7

