

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058915.D
 Acq On : 23 Oct 2019 9:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:44:36 PM

Quant Time: Oct 24 01:20:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	533859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	251233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	247463	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.57	113	177850	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.08	98	696750	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	259776	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	208449	48.220	ug/l	99
3) Chloromethane	2.04	50	245407	45.836	ug/l	99
4) Vinyl Chloride	2.17	62	243546	45.814	ug/l	99
5) Bromomethane	2.54	94	152348	45.765	ug/l	97
6) Chloroethane	2.68	64	158551	46.509	ug/l	99
7) Trichlorofluoromethane	3.00	101	316278	48.084	ug/l	100
8) Diethyl Ether	3.39	74	109812	48.311	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	175993	48.264	ug/l	99
10) Methyl Iodide	3.93	142	229922	47.941	ug/l	98
11) Tert butyl alcohol	4.75	59	189104	224.092	ug/l	99
12) 1,1-Dichloroethene	3.71	96	164437	48.109	ug/l	98
13) Acrolein	3.58	56	121469	209.492	ug/l	99
14) Allyl chloride	4.30	41	335152m	48.457	ug/l	
15) Acrylonitrile	4.95	53	521458	245.661	ug/l	99
16) Acetone	3.79	43	696175	277.051	ug/l	99
17) Carbon Disulfide	4.03	76	503977	45.773	ug/l	99
18) Methyl Acetate	4.29	43	269879	47.240	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	599574	50.096	ug/l	99
20) Methylene Chloride	4.52	84	200477	46.724	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	184301	48.825	ug/l	97
22) Diisopropyl ether	5.92	45	700765	51.799	ug/l	100
23) Vinyl Acetate	5.87	43	2954804	271.854	ug/l	100
24) 1,1-Dichloroethane	5.82	63	382355	48.742	ug/l	99
25) 2-Butanone	6.81	43	830205	254.517	ug/l	100
26) 2,2-Dichloropropane	6.80	77	332208	48.961	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	216067	50.108	ug/l	100
28) Bromochloromethane	7.17	49	129682	49.639	ug/l	99
29) Tetrahydrofuran	7.18	42	488986	245.056	ug/l	100
30) Chloroform	7.35	83	381535	48.488	ug/l	99
31) Cyclohexane	7.63	56	333818	45.679	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	326954	49.296	ug/l	100
36) 1,1-Dichloropropene	7.77	75	289282	52.928	ug/l	99
37) Ethyl Acetate	6.91	43	314451	52.801	ug/l	99
38) Carbon Tetrachloride	7.75	117	284631	50.551	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	316120	51.510	ug/l	100
40) Benzene	8.02	78	835396	52.051	ug/l	98
41) Methacrylonitrile	7.16	41	141470m	53.336	ug/l	
42) 1,2-Dichloroethane	8.11	62	319342	51.652	ug/l	99
43) Isopropyl Acetate	8.15	43	497605	52.099	ug/l	99
44) Trichloroethene	8.82	130	201720	51.595	ug/l	99
45) 1,2-Dichloropropane	9.10	63	229735	52.200	ug/l	99
46) Dibromomethane	9.19	93	145054	52.136	ug/l	98
47) Bromodichloromethane	9.39	83	302769	52.799	ug/l	99
48) Methyl methacrylate	9.18	41	231075	53.324	ug/l	99
49) 1,4-Dioxane	9.19	88	75280	1058.256	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1560759	279.767	ug/l	100
52) Toluene	10.15	92	512444	53.841	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	336886	53.069	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	361628	53.321	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	201566	51.409	ug/l	98
56) Ethyl methacrylate	10.42	69	317120	48.227	ug/l	98
57) 1,3-Dichloropropane	10.70	76	363053	52.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	674228	242.599	ug/l	100
59) 2-Hexanone	10.75	43	1229485	285.203	ug/l	100
60) Dibromochloromethane	10.90	129	225356	53.399	ug/l	99
61) 1,2-Dibromoethane	11.00	107	211850	52.797	ug/l	99
64) Tetrachloroethene	10.63	164	178889	49.521	ug/l	98
65) Chlorobenzene	11.43	112	536694	51.108	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206358	52.076	ug/l	98
67) Ethyl Benzene	11.51	91	999256	54.245	ug/l	97
68) m/p-Xylenes	11.62	106	743579	108.846	ug/l	99
69) o-Xylene	11.95	106	350913	53.859	ug/l	99
70) Styrene	11.96	104	592382	49.282	ug/l	100
71) Bromoform	12.13	173	158285	51.511	ug/l #	100
73) Isopropylbenzene	12.25	105	963324	52.467	ug/l	99
74) N-amyl acetate	12.07	43	436144	52.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	316885	49.084	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	272627m	46.822	ug/l	
77) Bromobenzene	12.53	156	227848	50.347	ug/l	99
78) n-propylbenzene	12.59	91	1171457	53.977	ug/l	100
79) 2-Chlorotoluene	12.68	91	687412	51.751	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	843824	54.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	110718	49.536	ug/l	99
82) 4-Chlorotoluene	12.78	91	719687	53.019	ug/l	100
83) tert-Butylbenzene	13.00	119	699099	52.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	855273	56.211	ug/l	100
85) sec-Butylbenzene	13.17	105	951902	54.124	ug/l	99
86) p-Isopropyltoluene	13.29	119	866226	55.820	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	428343	52.934	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	415789	51.322	ug/l	98
89) n-Butylbenzene	13.62	91	778509	54.612	ug/l	99
90) Hexachloroethane	13.88	117	158983	50.558	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	417198	52.455	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67676	46.347	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	235795	47.241	ug/l	99
94) Hexachlorobutadiene	15.01	225	127864	49.601	ug/l	99
95) Naphthalene	15.13	128	642339	44.875	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	230575	47.433	ug/l	99

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

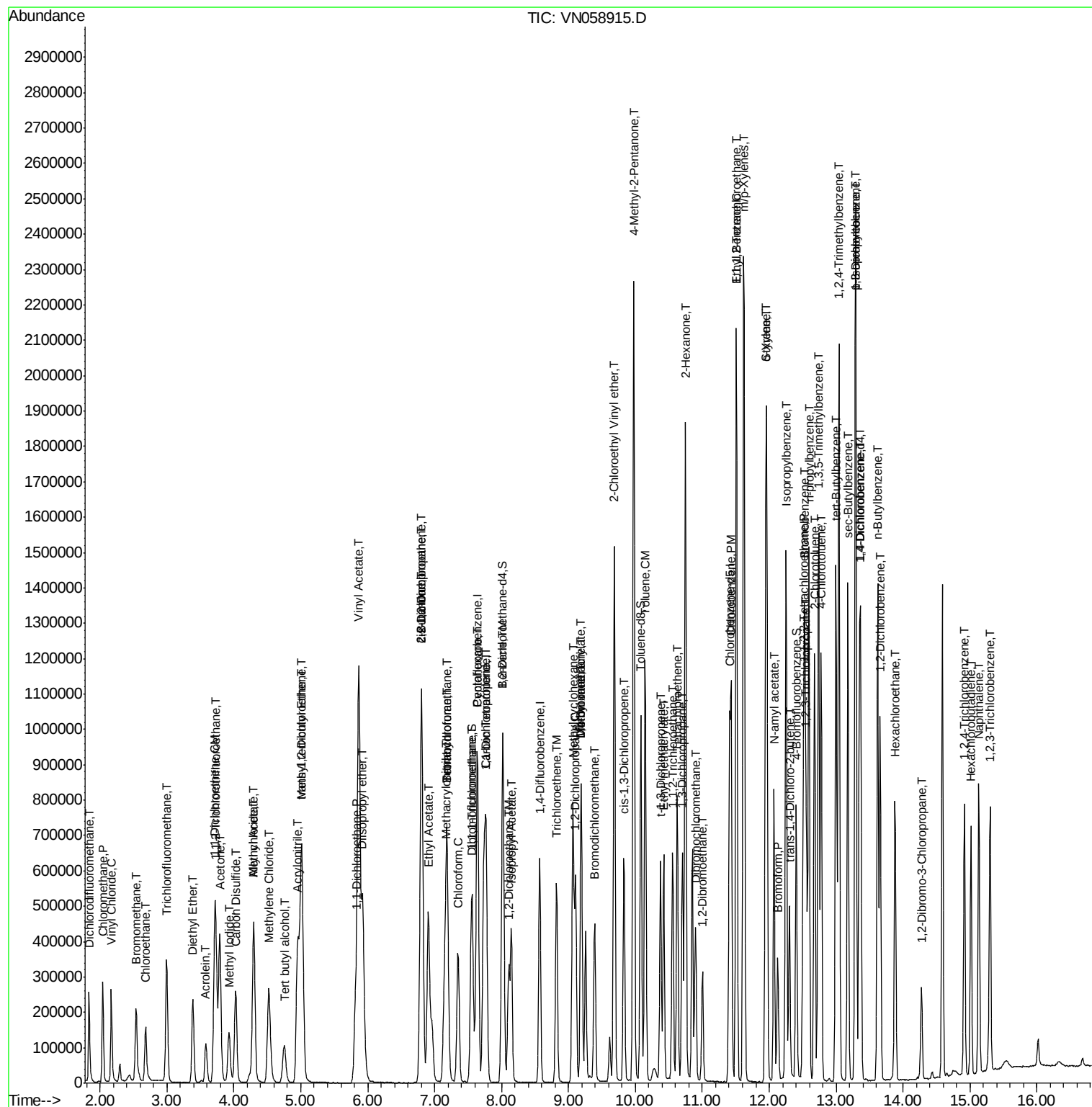
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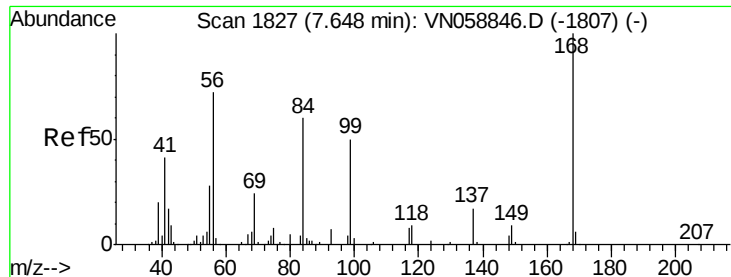
Instrument :
 MSVOA_N
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 346721

Ion Ratio Lower Upper

168 100

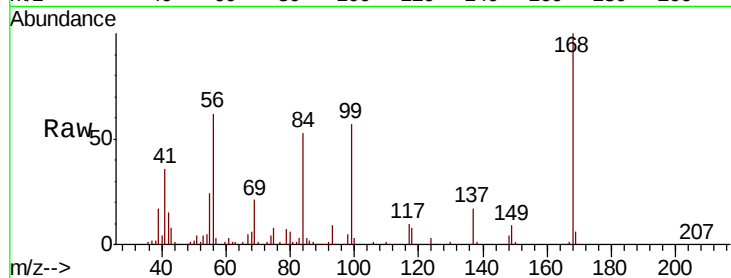
99 57.0 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

50000

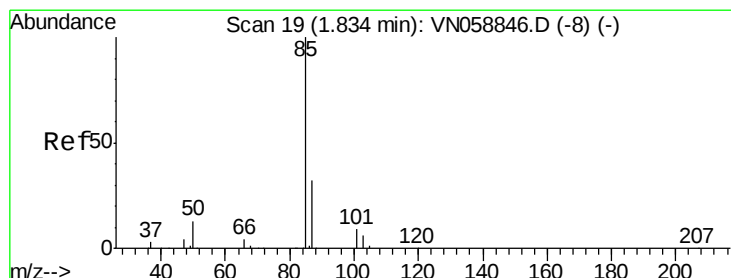
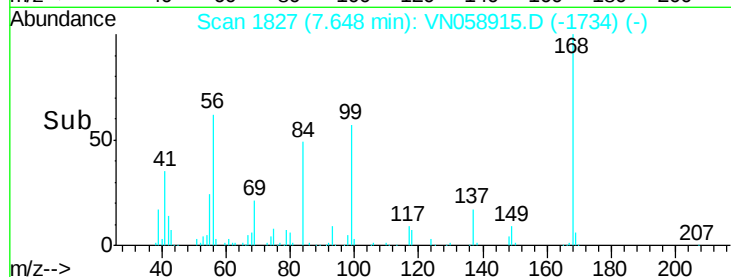
0

7.65

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.220 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058915.D

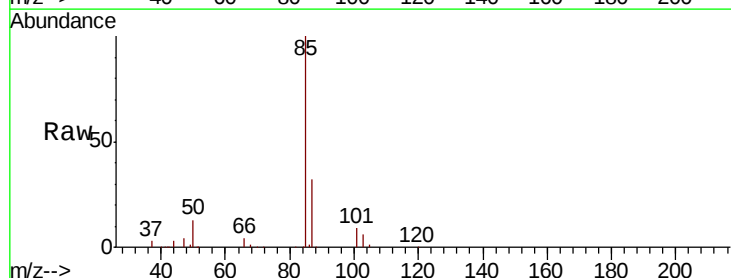
Acq: 23 Oct 2019 9:31

Tgt Ion: 85 Resp: 208449

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

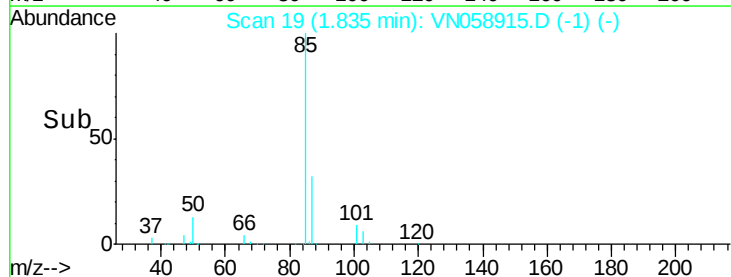
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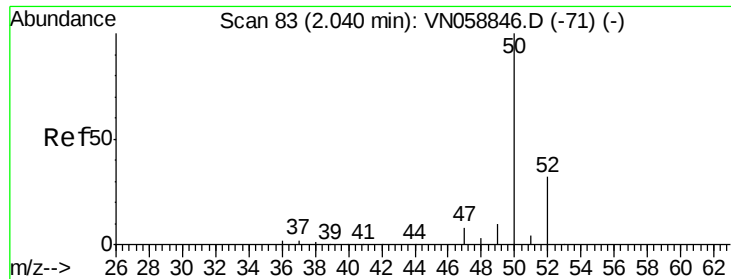
1.83

1.80

1.90

Time-->





#3

Chloromethane

Concen: 45.836 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 245407

Ion Ratio Lower Upper

50 100

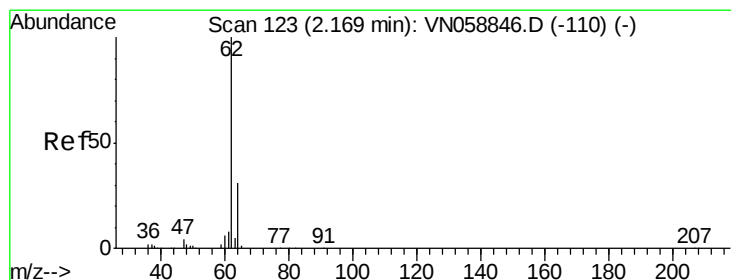
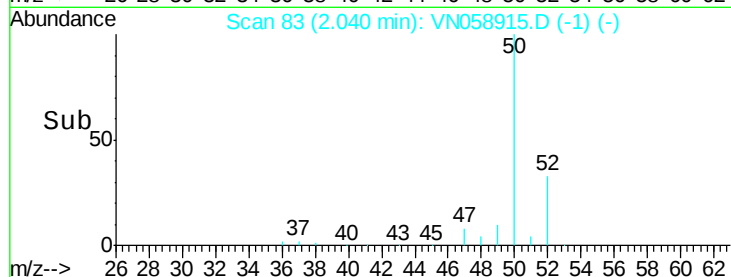
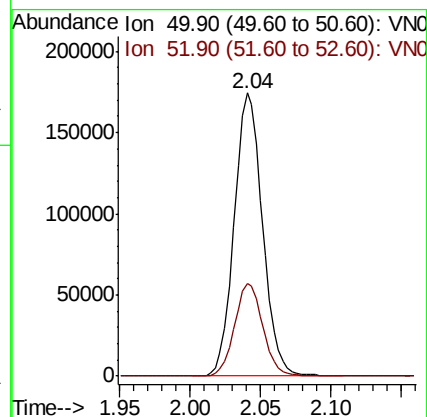
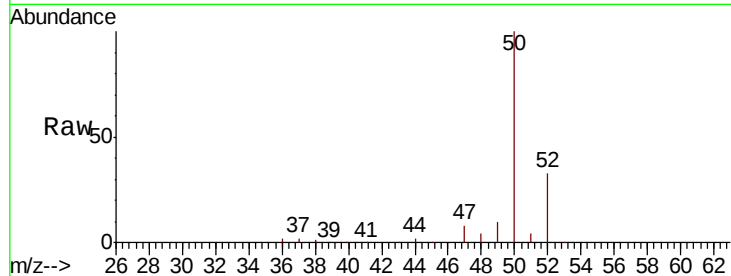
52 32.7 25.7 38.5

Manual Integrations

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10/25/2019 2:44:36 PM



#4

Vinyl Chloride

Concen: 45.814 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058915.D

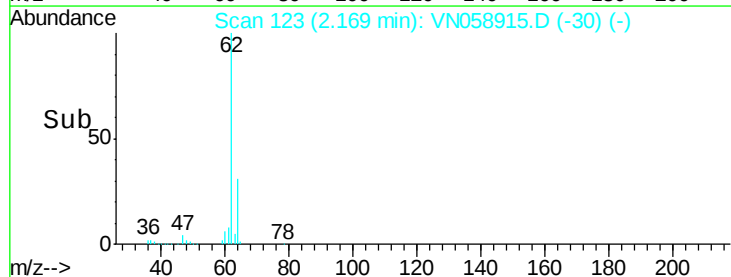
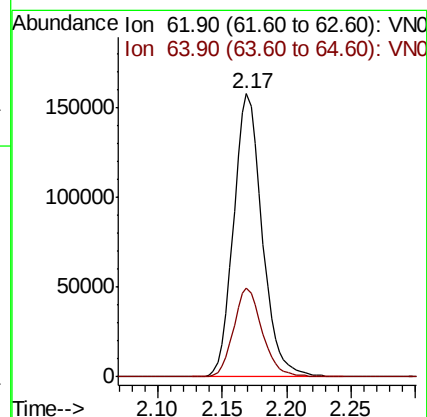
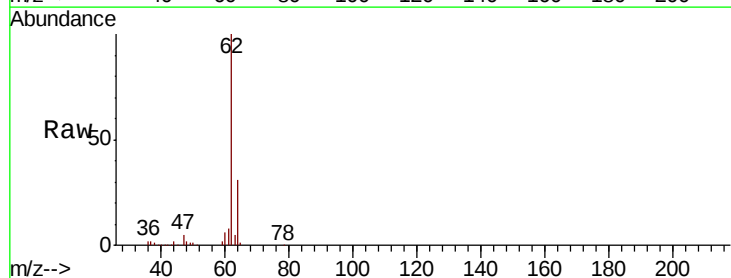
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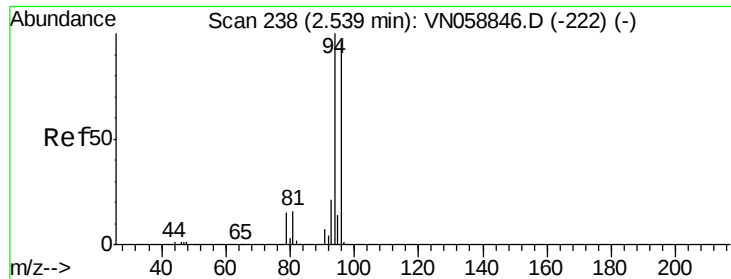
Tgt Ion: 62 Resp: 243546

Ion Ratio Lower Upper

62 100

64 31.2 24.6 36.8





#5

Bromomethane

Concen: 45.765 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 152348

Ion Ratio Lower Upper

94 100

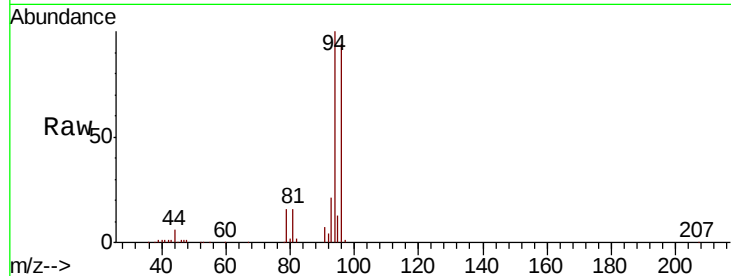
96 93.7 77.0 115.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN058915.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN058915.D (-145) (-)

2.54

80000

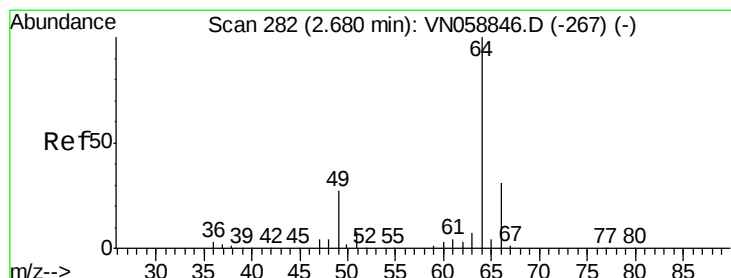
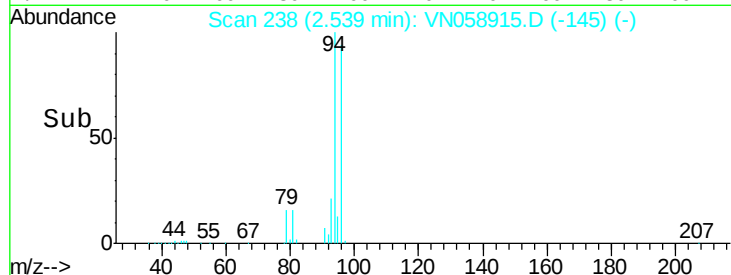
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.509 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058915.D

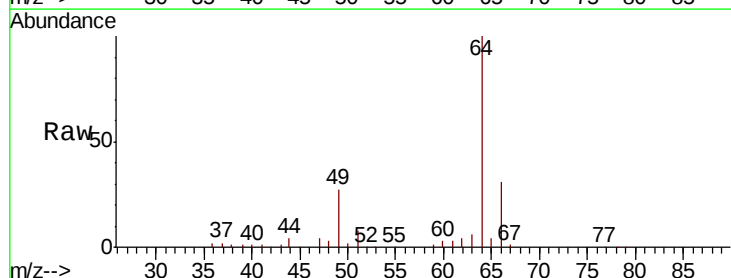
Acq: 23 Oct 2019 9:31

Tgt Ion: 64 Resp: 158551

Ion Ratio Lower Upper

64 100

66 30.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN058915.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN058915.D (-189) (-)

2.68

80000

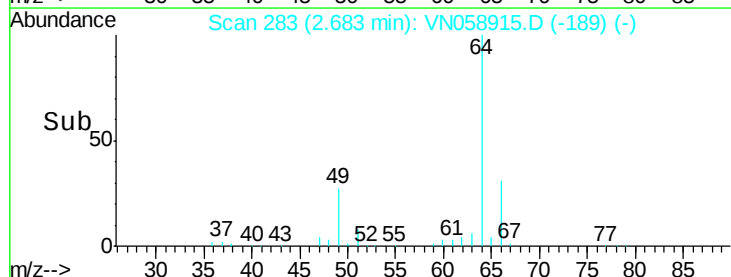
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20000

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Time-->





#7

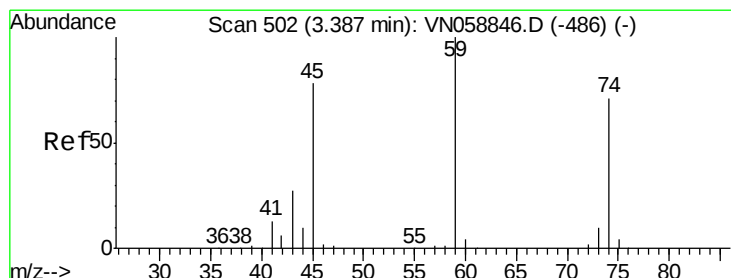
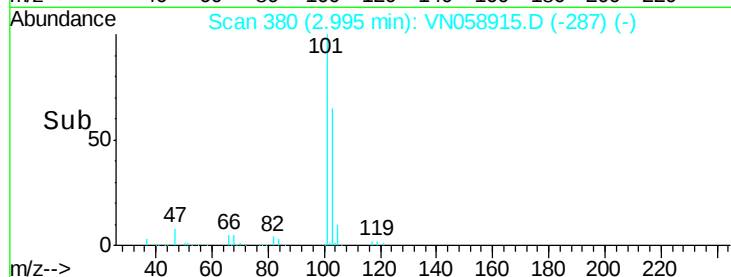
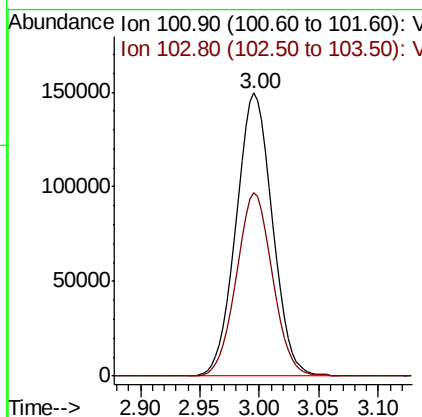
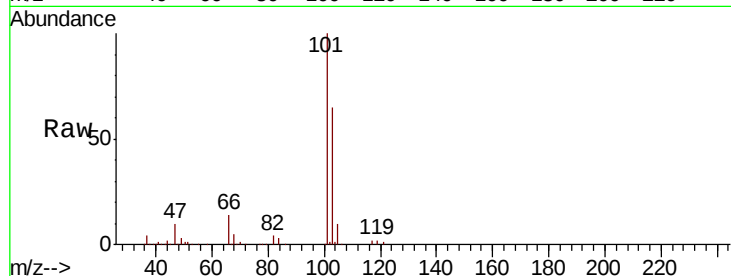
Trichlorofluoromethane
Concen: 48.084 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2

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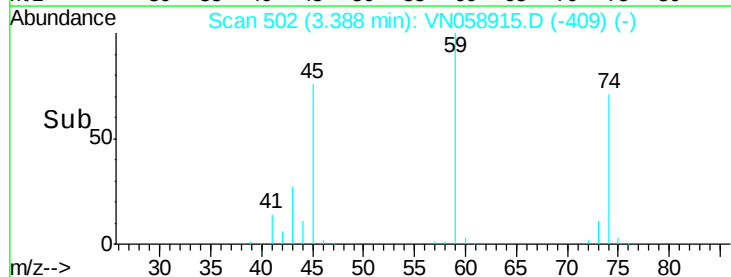
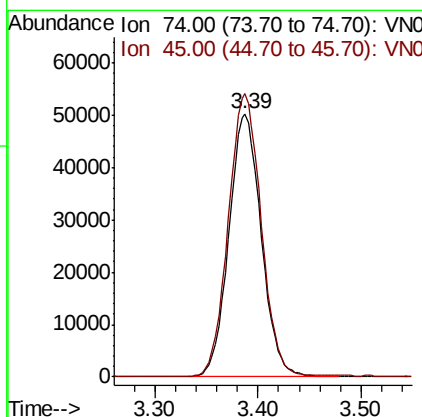
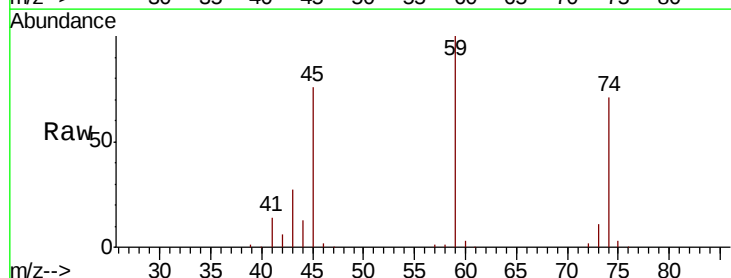
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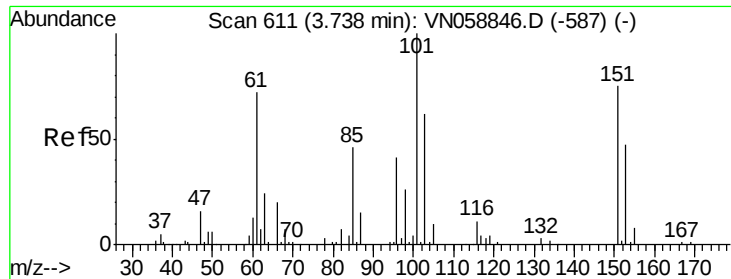


#8

Diethyl Ether
Concen: 48.311 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.5	54.9	164.5





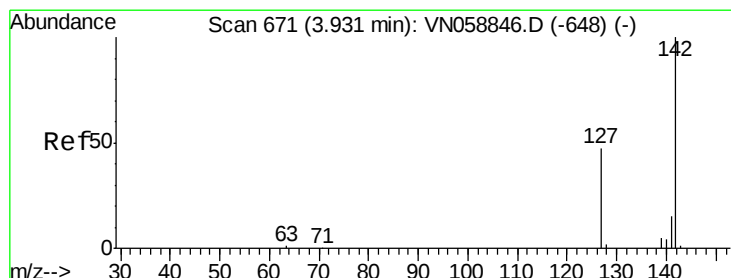
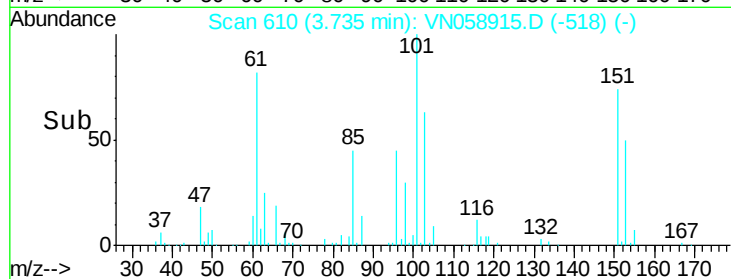
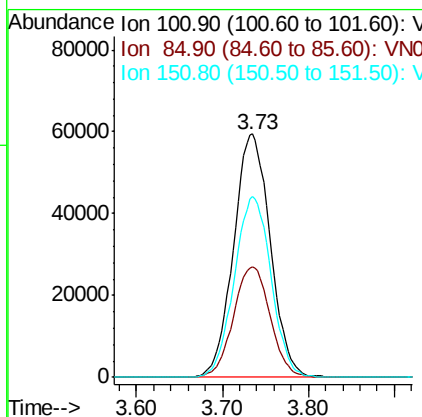
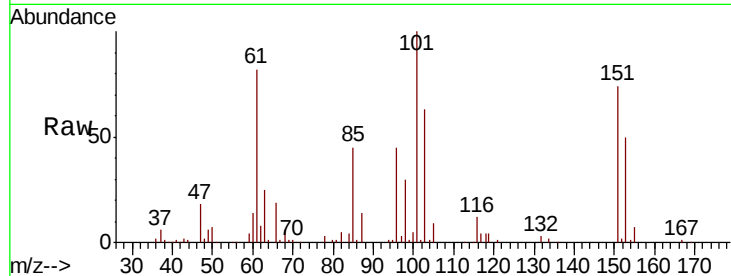
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.264 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.5	37.2	55.8
151	74.5	59.9	89.9

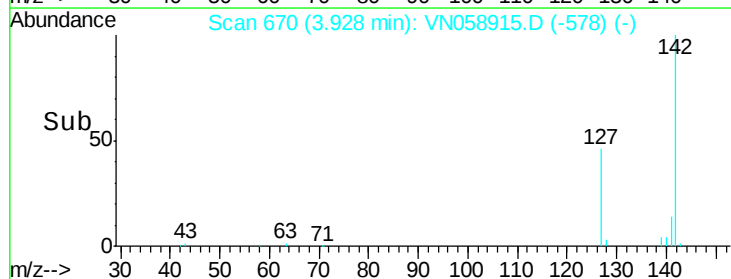
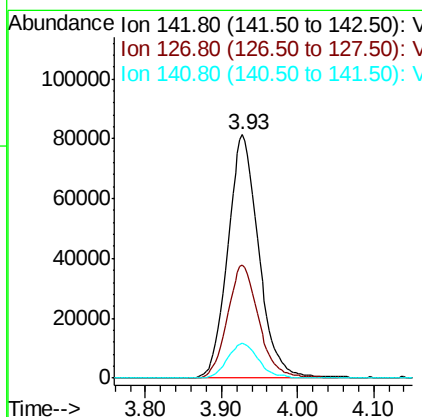
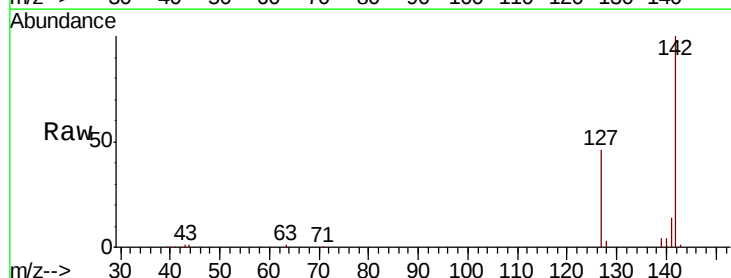
Manual Integrations
 APPROVED

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#10
 Methyl Iodide
 Concen: 47.941 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.1	36.6	54.8
141	14.4	11.4	17.2





#11

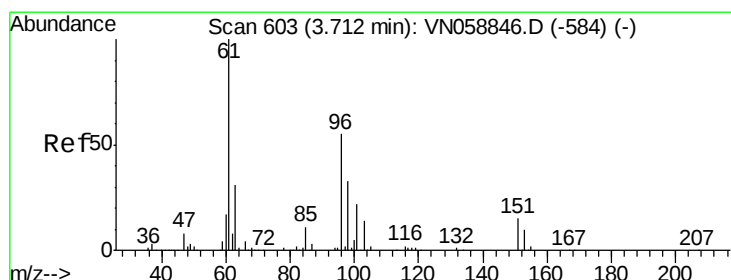
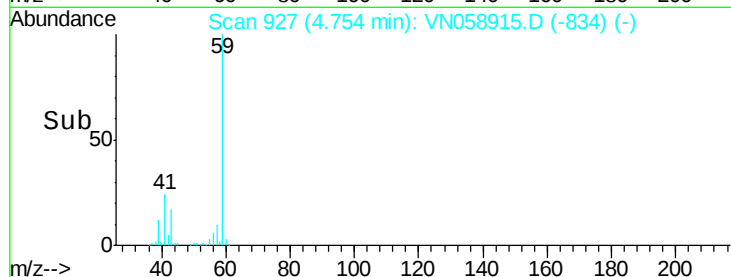
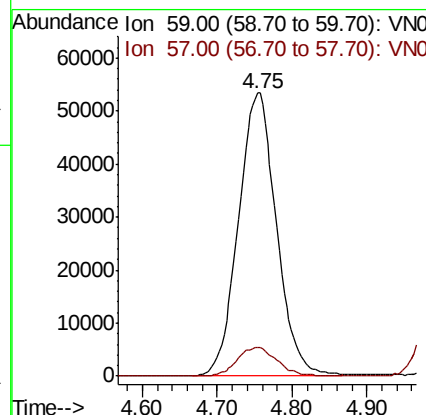
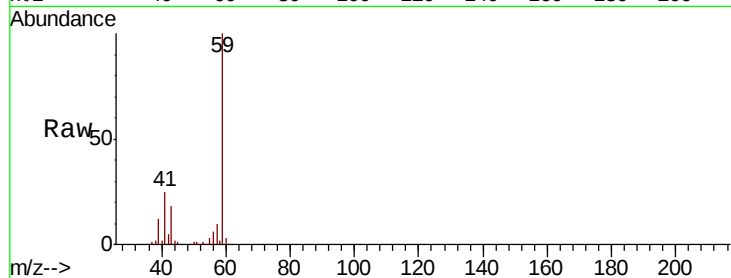
Tert butyl alcohol
Concen: 224.092 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	189104
Ion Ratio	100	Lower	Upper
57	10.5	8.6	12.8

Manual Integrations
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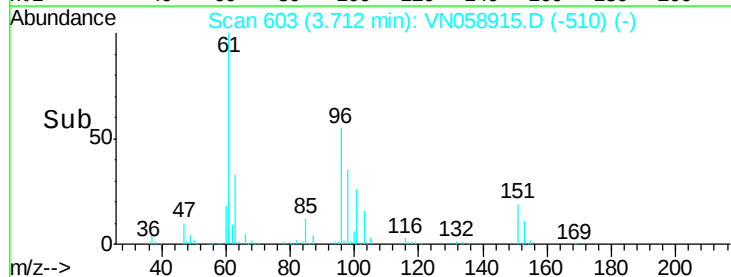
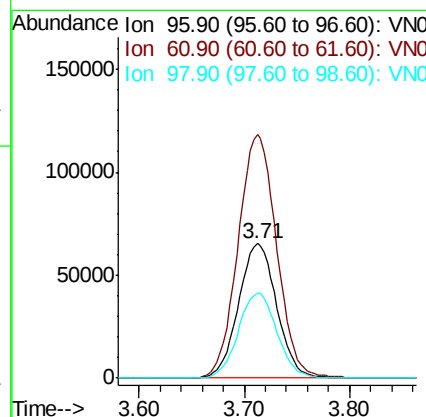
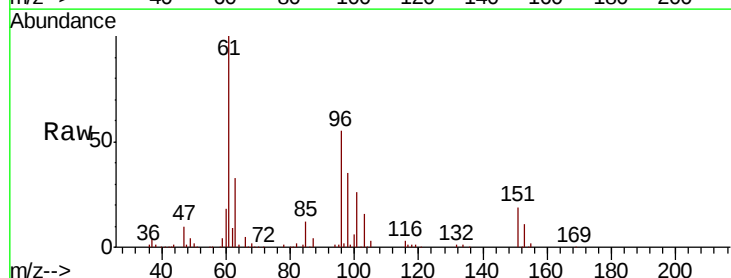
MMDadoda
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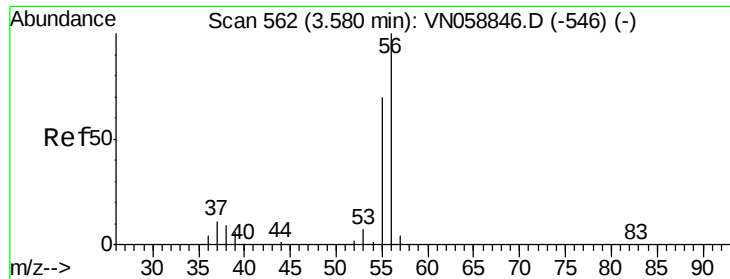


#12

1,1-Dichloroethene
Concen: 48.109 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	96	Resp	164437
Ion Ratio	100	Lower	Upper
61	181.3	146.2	219.2
98	63.6	48.7	73.1





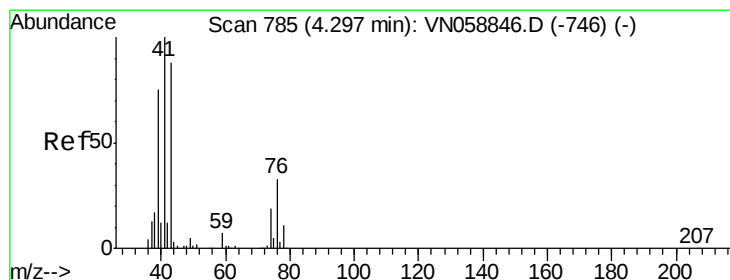
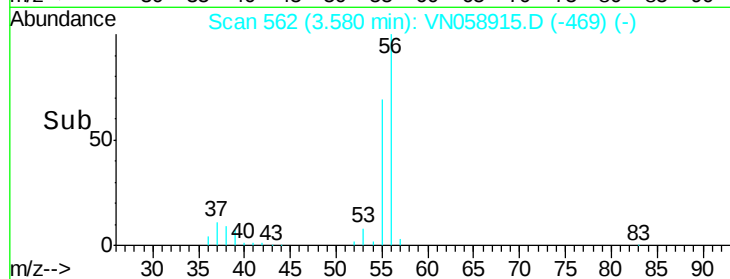
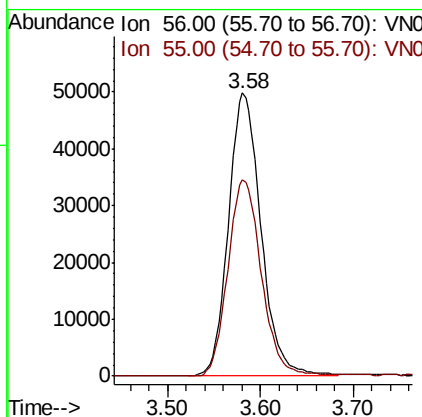
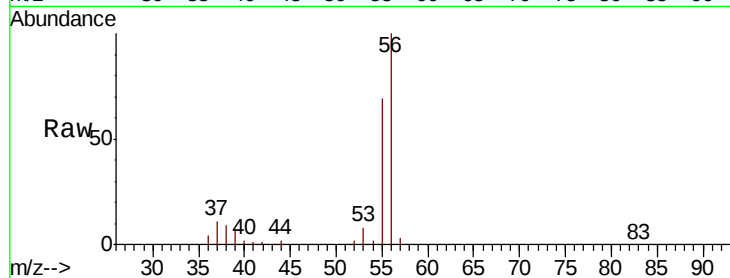
#13
 Acrolein
 Concen: 209.492 ug/l
 RT: 3.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.6	85.0

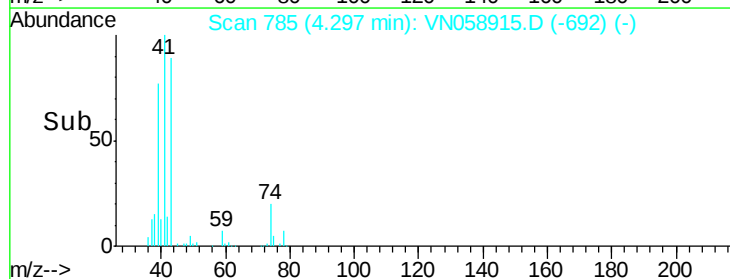
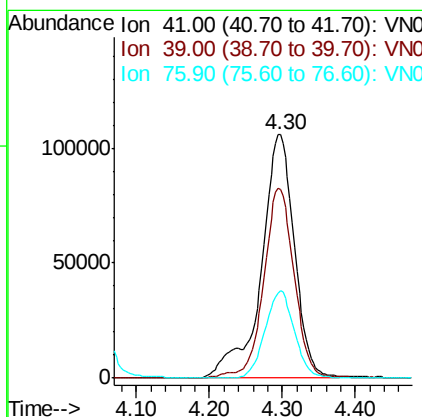
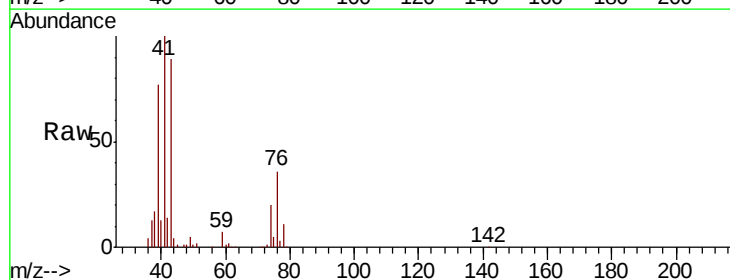
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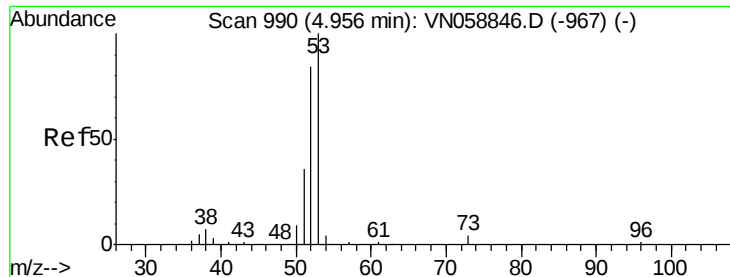
MMDadoda
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#14
 Allyl chloride
 Concen: 48.457 ug/l m
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.0	55.9	83.9
76	31.6	24.1	36.1





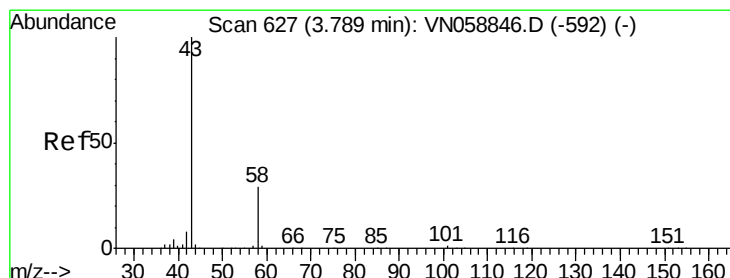
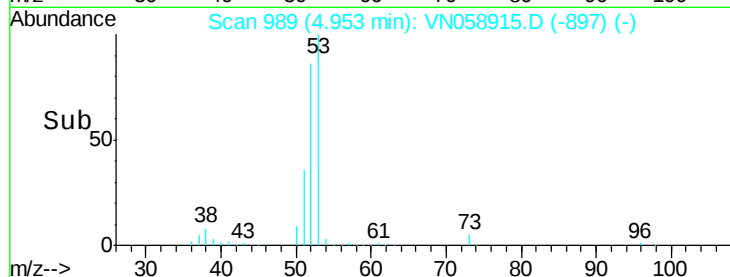
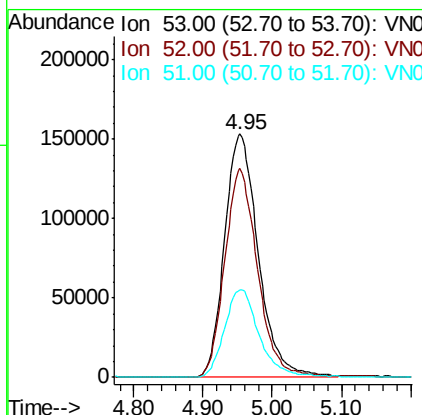
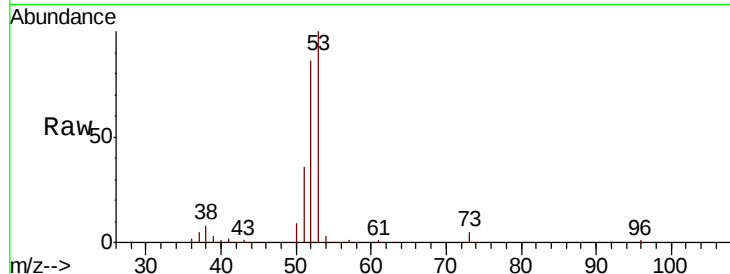
#15
 Acrylonitrile
 Concen: 245.661 ug/l
 RT: 4.95 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.5	66.6	99.8	
51	37.0	29.2	43.8	

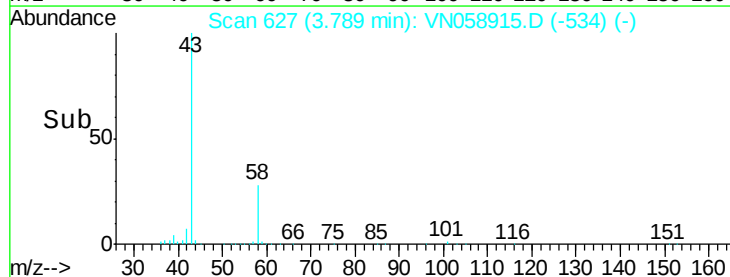
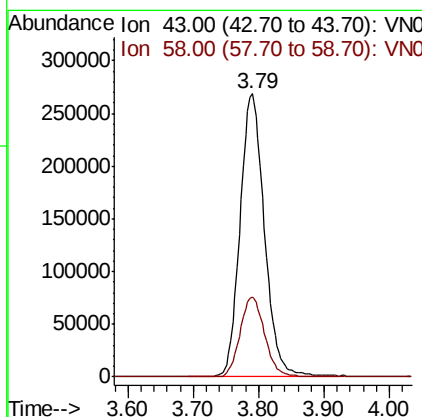
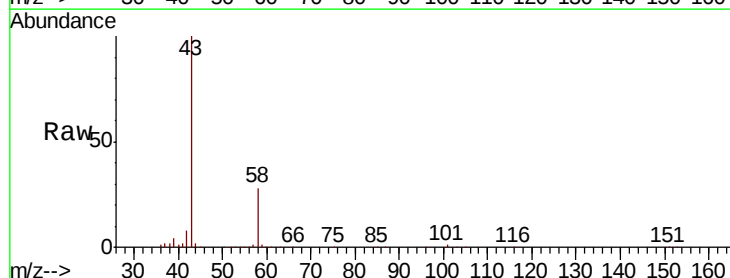
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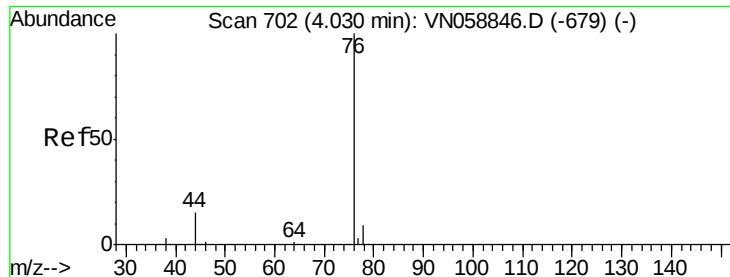
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#16
 Acetone
 Concen: 277.051 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	28.4	23.1	34.7	





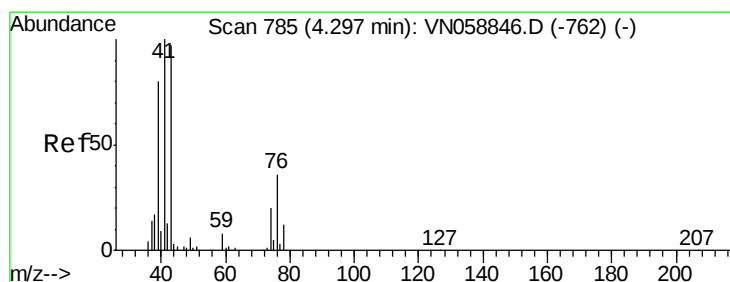
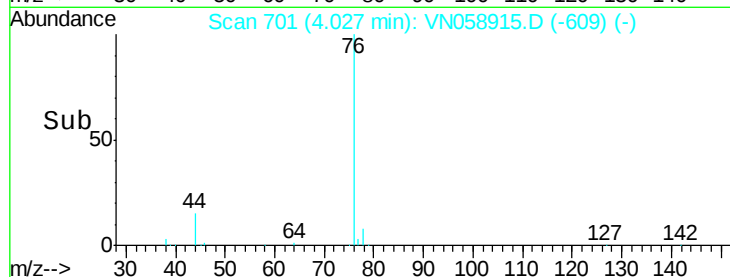
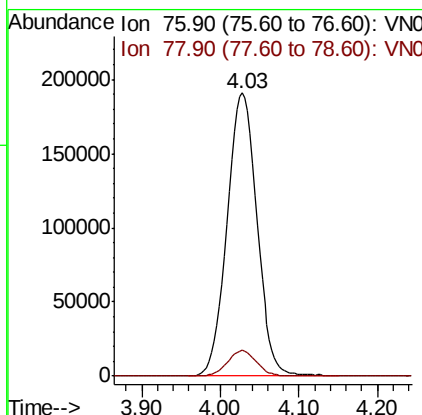
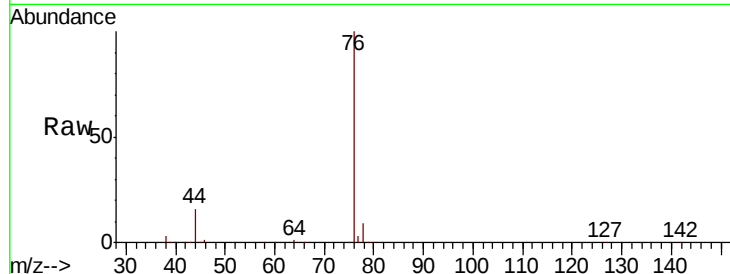
#17
Carbon Disulfide
Concen: 45.773 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

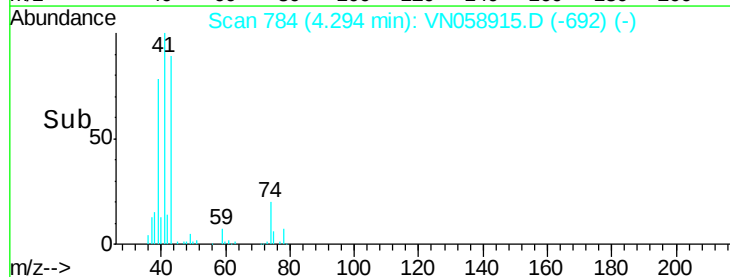
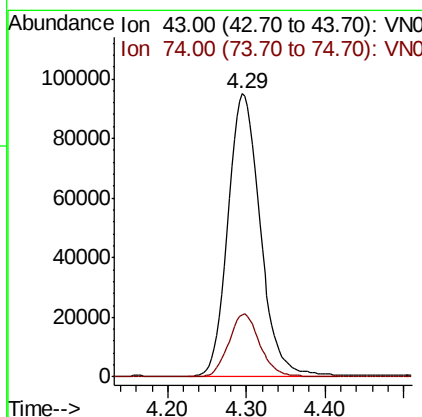
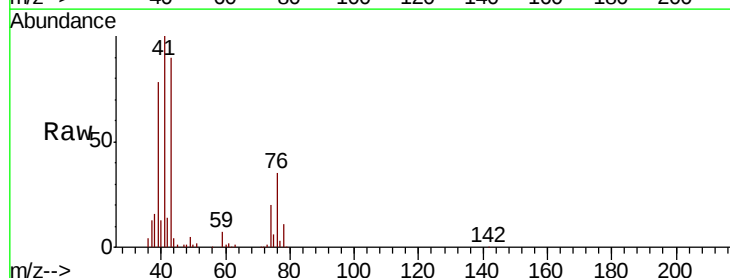
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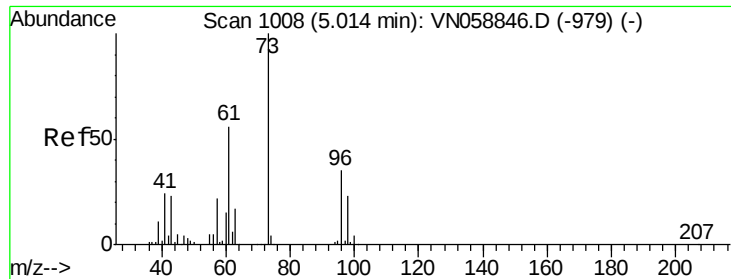
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#18
Methyl Acetate
Concen: 47.240 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.1	25.7





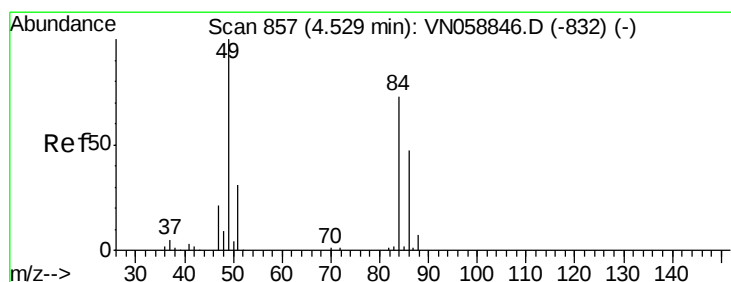
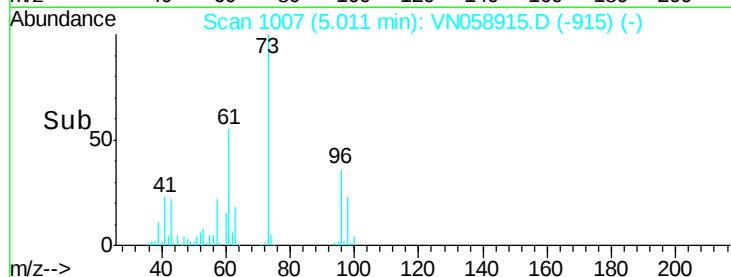
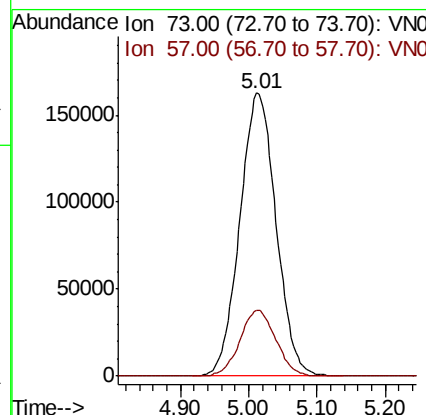
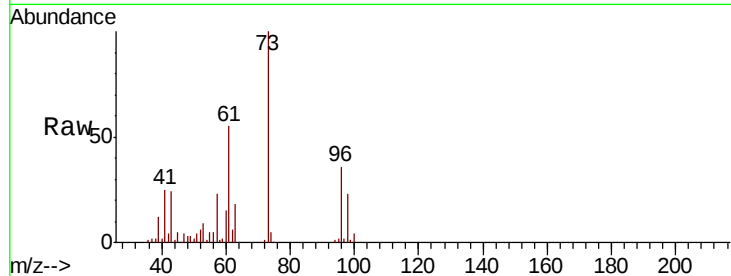
#19
Methvl tert-butvl Ether
Concen: 50.096 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 599574
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

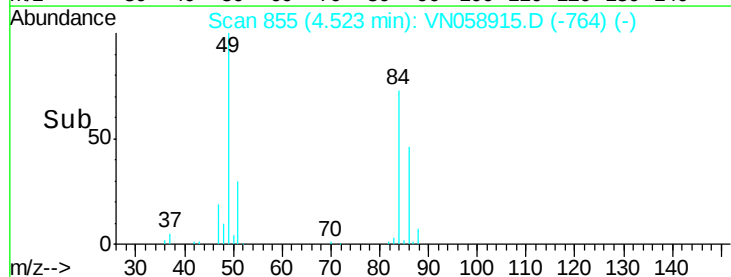
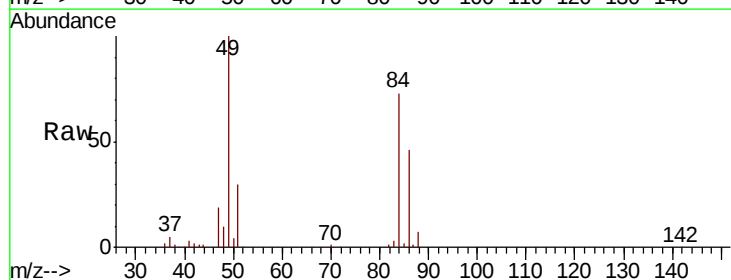
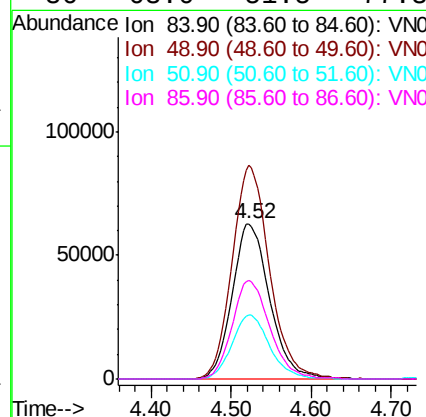
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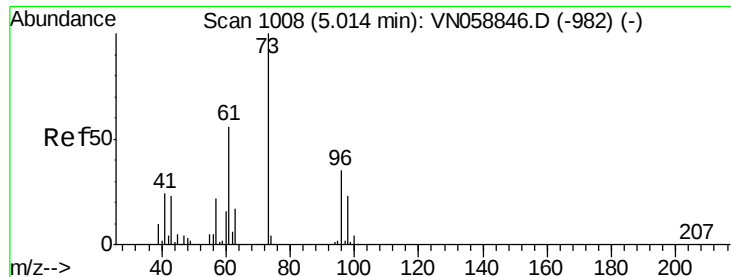
MMDadoda
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#20
Methylene Chloride
Concen: 46.724 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 84 Resp: 200477
Ion Ratio Lower Upper
84 100
49 137.4 109.6 164.4
51 41.1 33.8 50.6
86 63.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.825 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

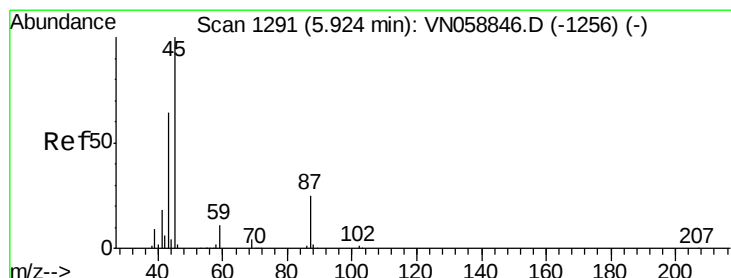
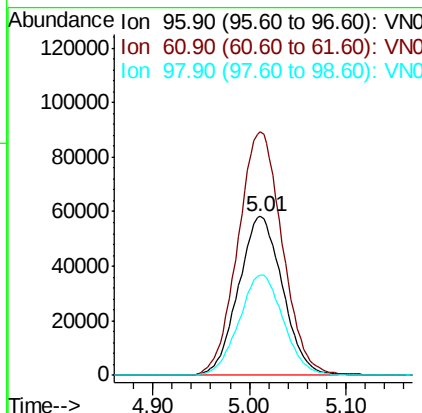
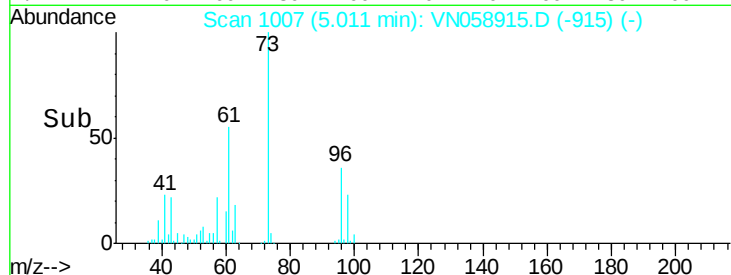
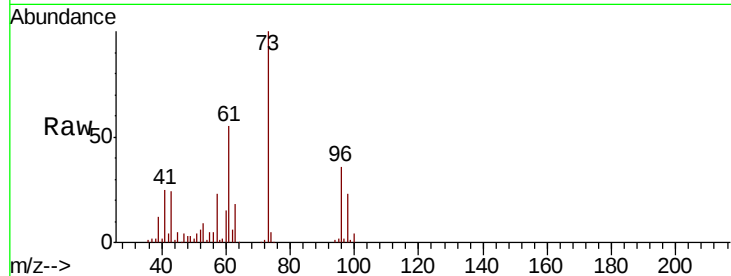
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	184301
Ion	Ratio	Lower	Upper
96	100		
61	153.1	126.7	190.1
98	63.4	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.799 ug/l

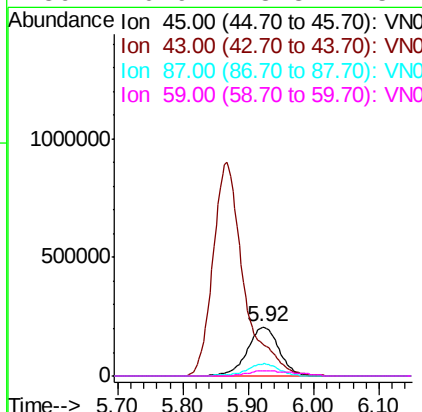
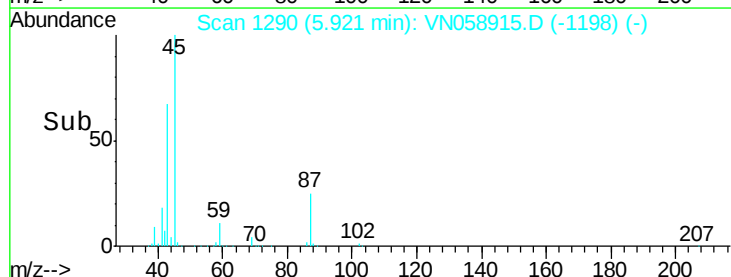
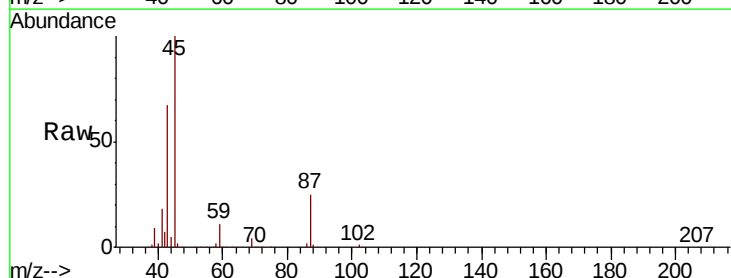
RT: 5.92 min Scan# 1290

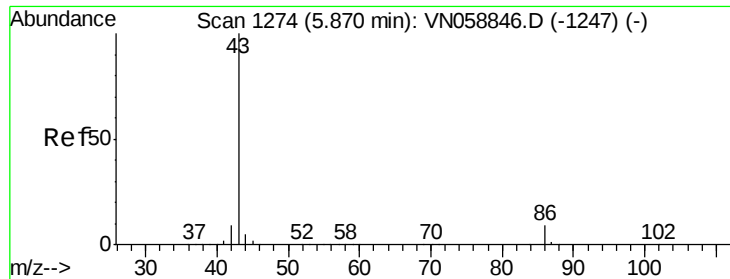
Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion:	45	Resp:	700765
Ion	Ratio	Lower	Upper
45	100		
43	66.3	52.9	79.3
87	24.8	20.2	30.4
59	10.9	8.8	13.2





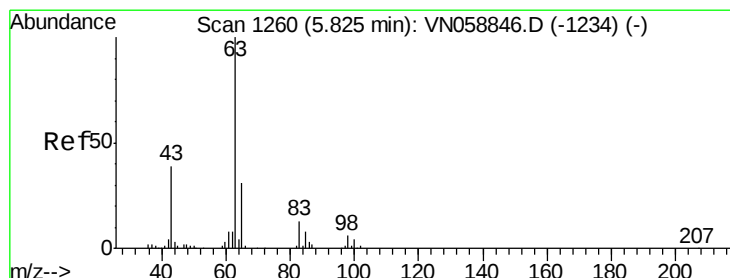
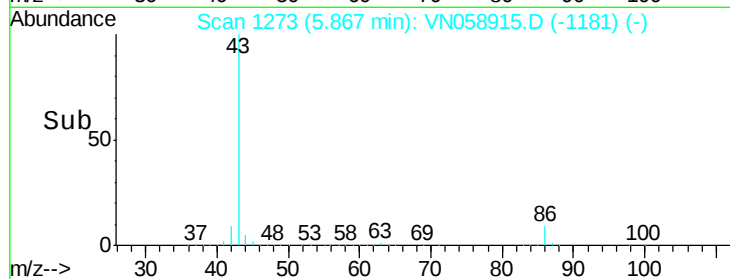
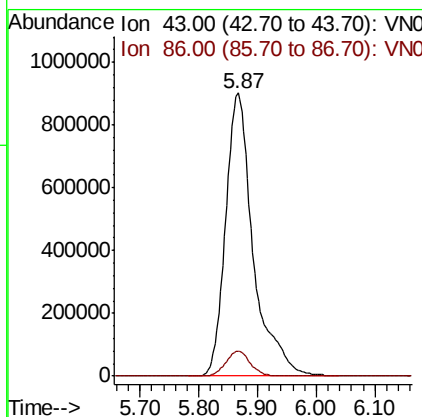
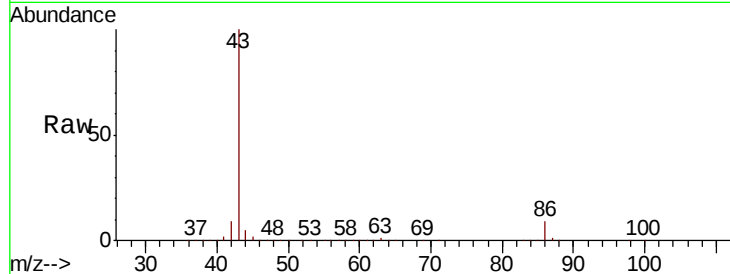
#23
 Vinyl Acetate
 Concen: 271.854 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2954804
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.2 10.8

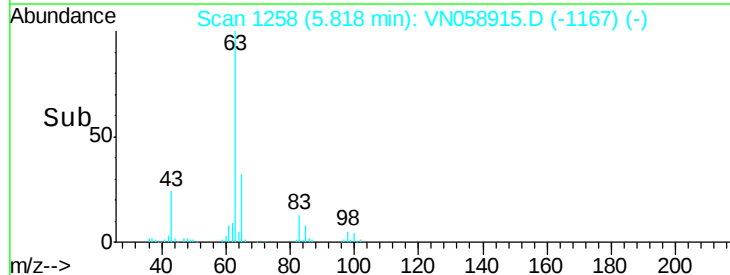
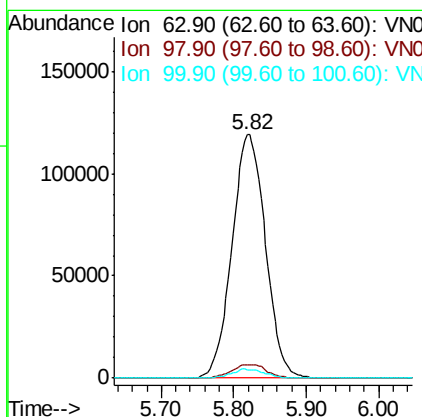
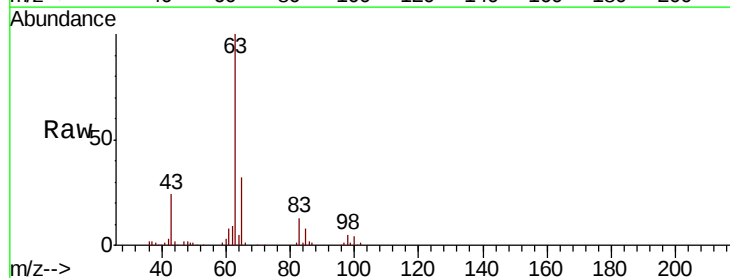
Manual Integrations
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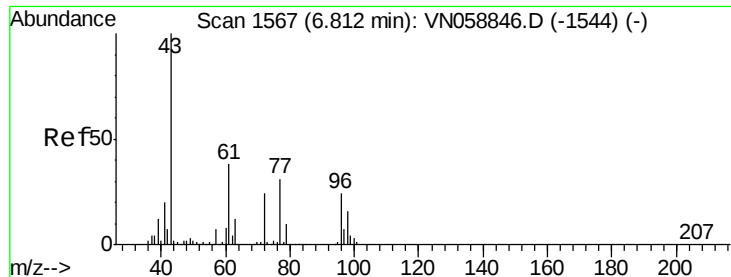
MMDadoda
 10/25/2019 2:44:36 PM



#24
 1,1-Dichloroethane
 Concen: 48.742 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion: 63 Resp: 382355
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 3.5 1.9 5.7





#25

2-Butanone

Concen: 254.517 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tot Ion: 43 Resp: 830205

Ion Ratio Lower Upper

43 100

72 23.9 19.1 28.7

Instrument :

MSVOA_N

ClientSampleId :

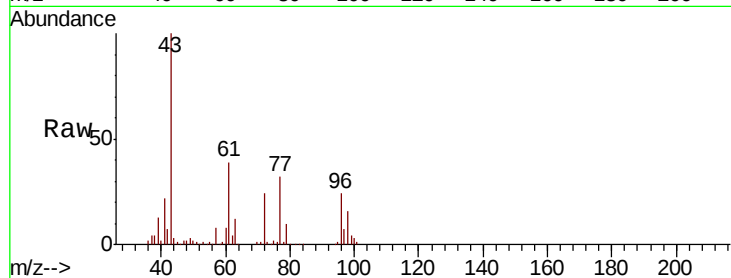
VSTDCCC050

Manual Integrations

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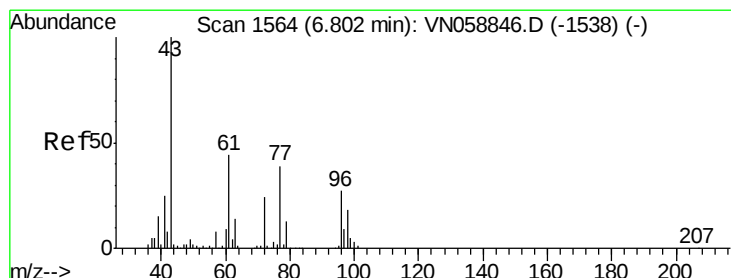
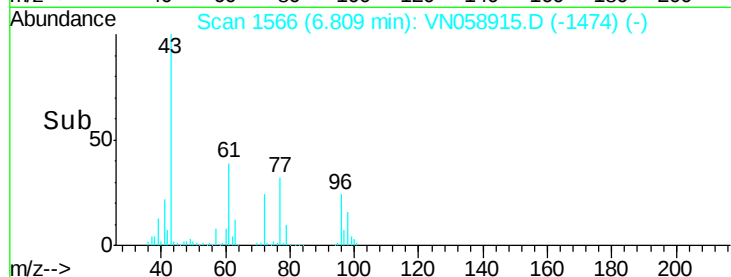
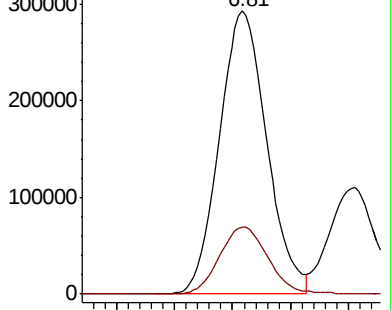
MMDadoda

10/25/2019 2:44:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1544) (-)



#26

2,2-Dichloropropane

Concen: 48.961 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058915.D

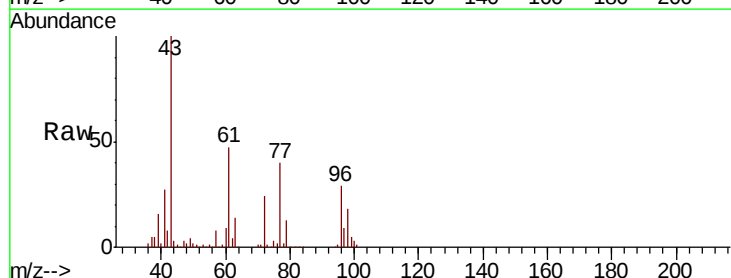
Acq: 23 Oct 2019 9:31

Tgt Ion: 77 Resp: 332208

Ion Ratio Lower Upper

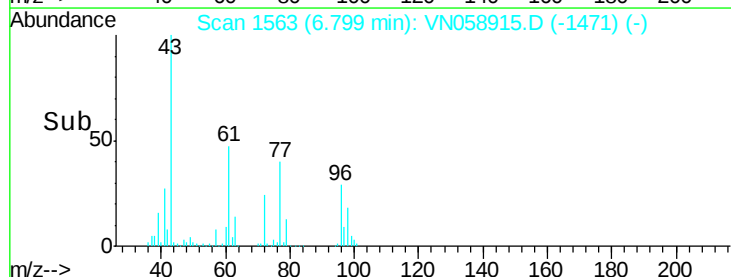
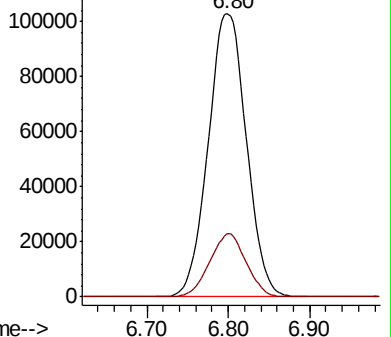
77 100

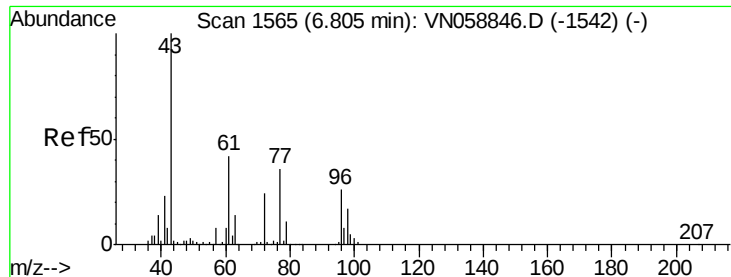
97 21.2 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN058846.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 50.108 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

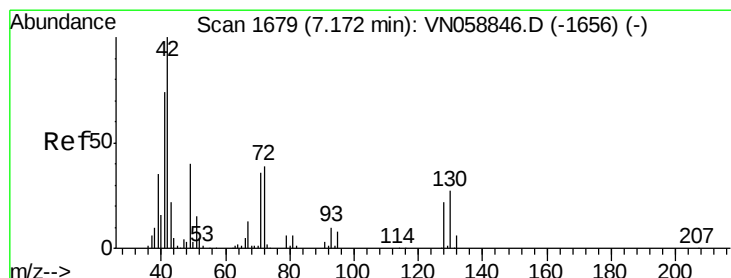
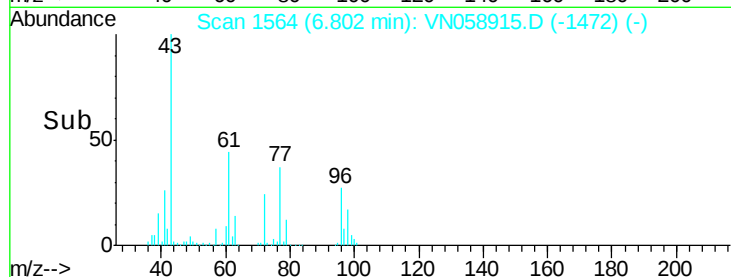
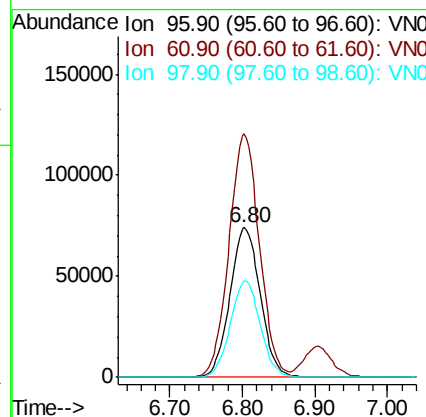
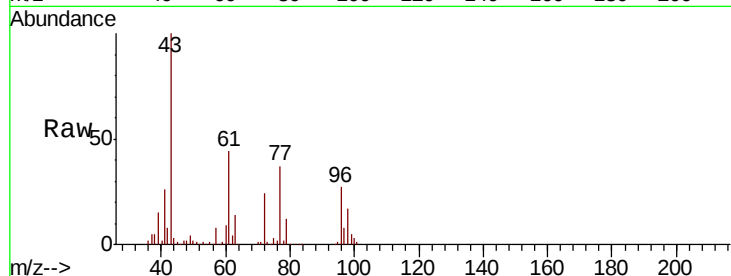
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	216067		
61	162.4	0.0	325.0	
98	63.5	0.0	128.0	

Manual Integrations
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#28

Bromochloromethane

Concen: 49.639 ug/l

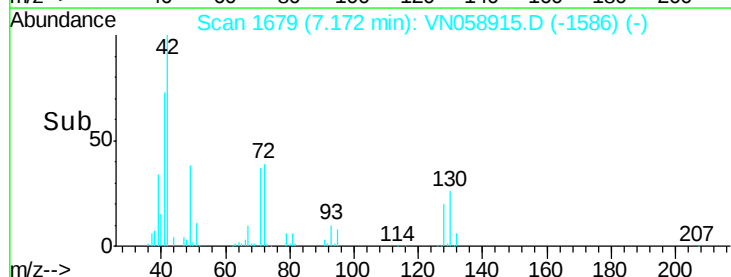
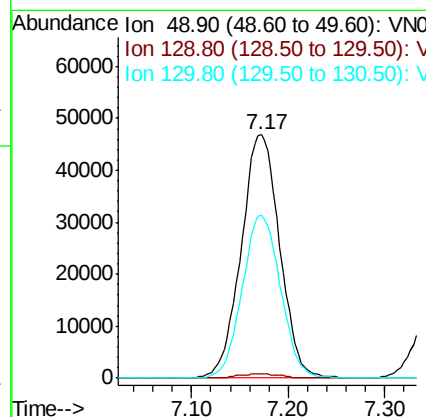
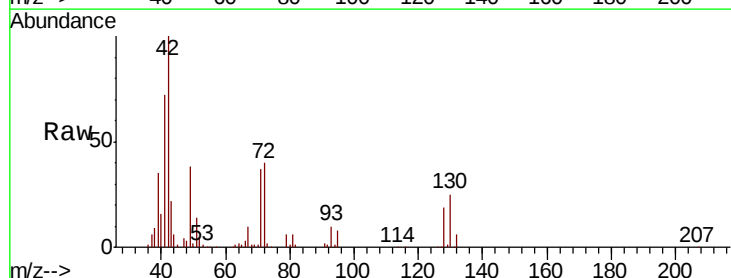
RT: 7.17 min Scan# 1679

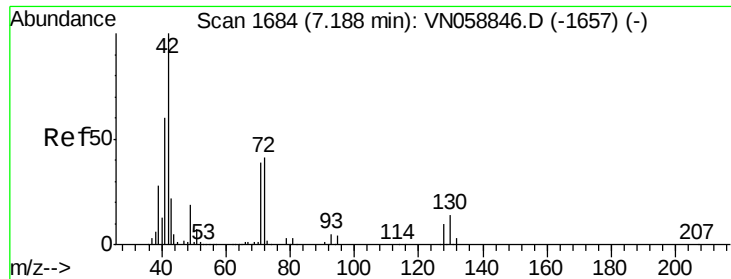
Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129682		
129	1.8	0.0	3.2	
130	66.3	53.5	80.3	





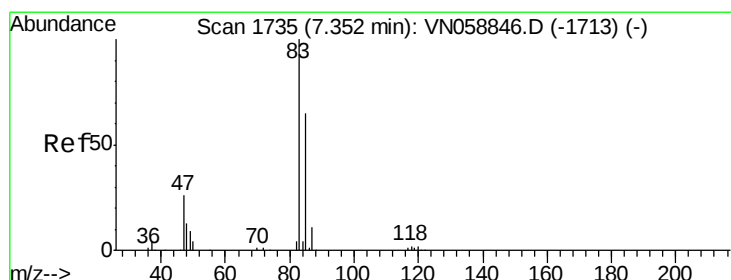
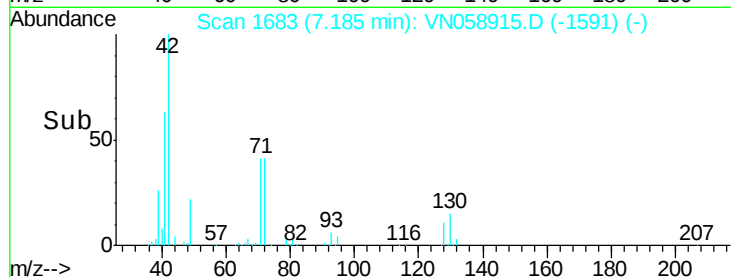
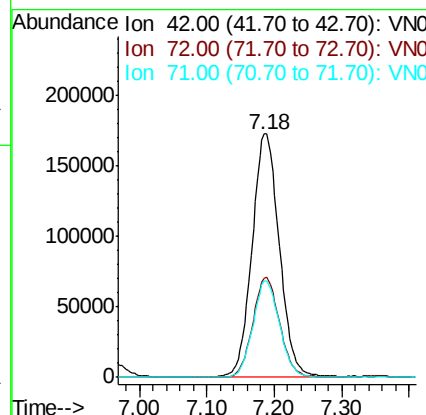
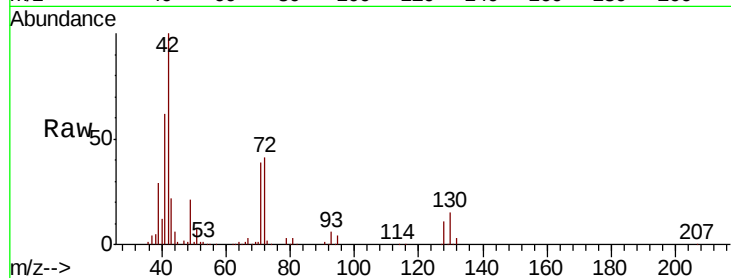
#29
Tetrahydrofuran
Concen: 245.056 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.2
71	38.4	30.6	45.8

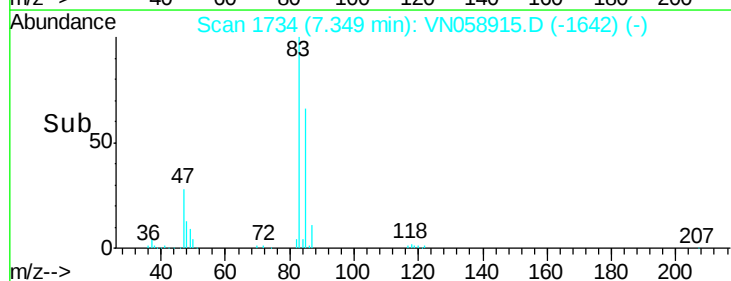
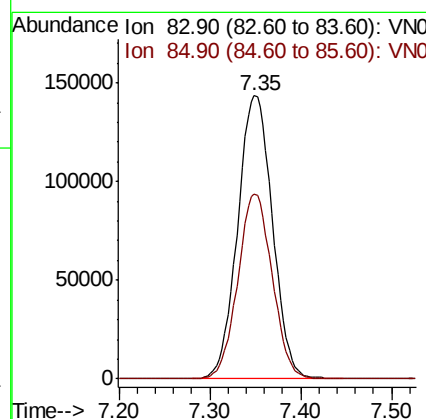
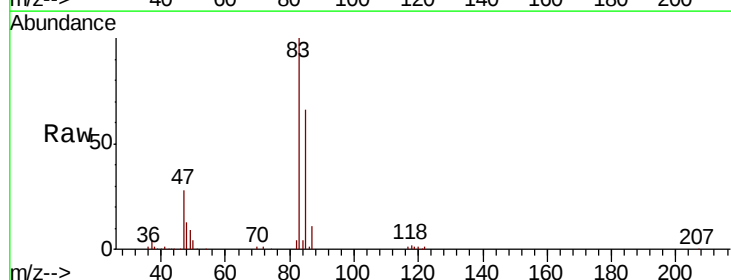
Manual Integrations
APPROVED

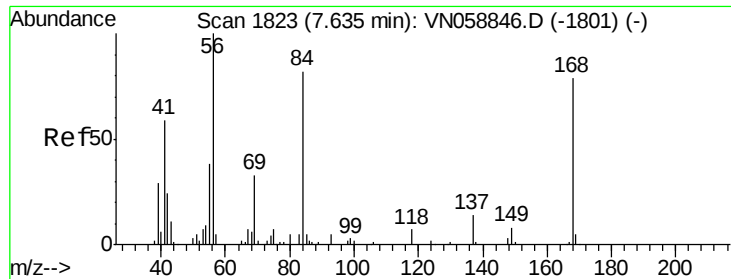
MMDadoda
10/25/2019 2:44:36 PM



#30
Chloroform
Concen: 48.488 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9





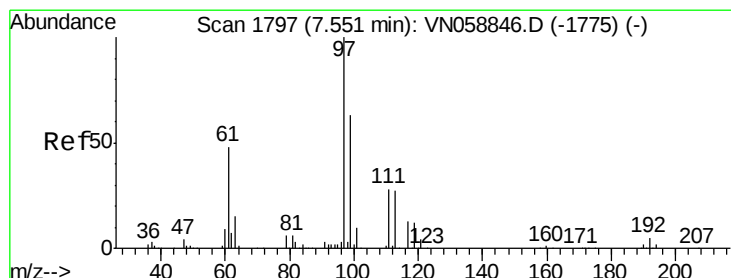
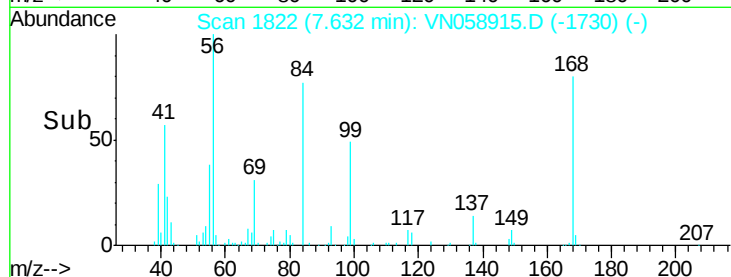
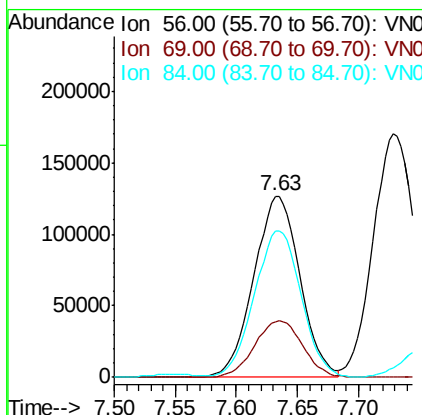
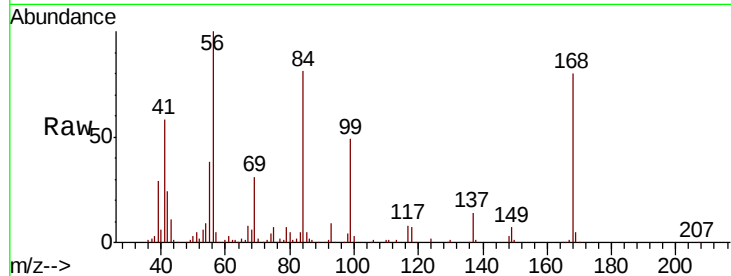
#31
Cyclohexane
Concen: 45.679 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	26.2	39.4
84	79.3	65.6	98.4

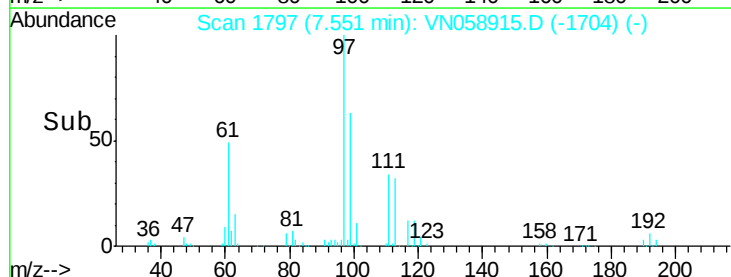
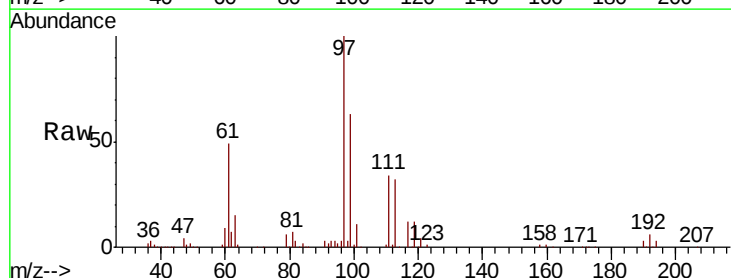
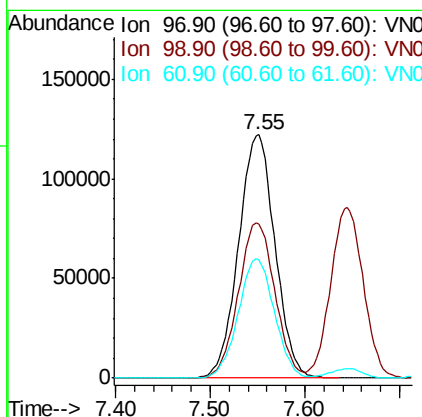
Manual Integrations
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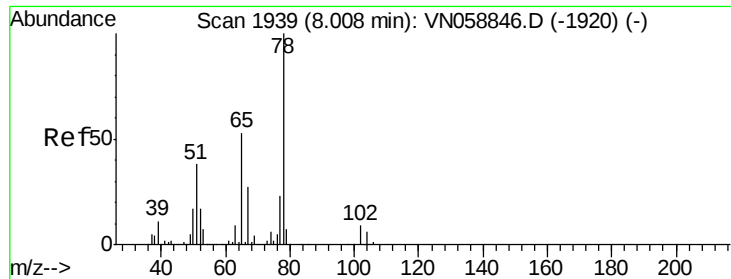
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.296 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	48.7	38.6	58.0





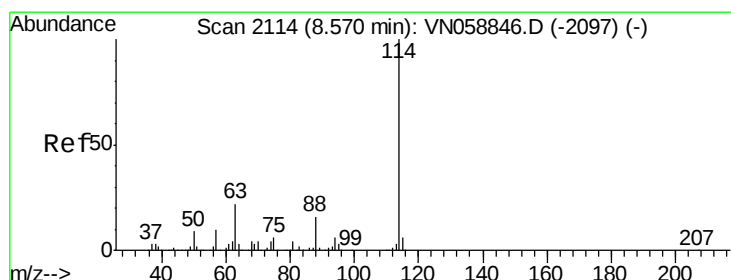
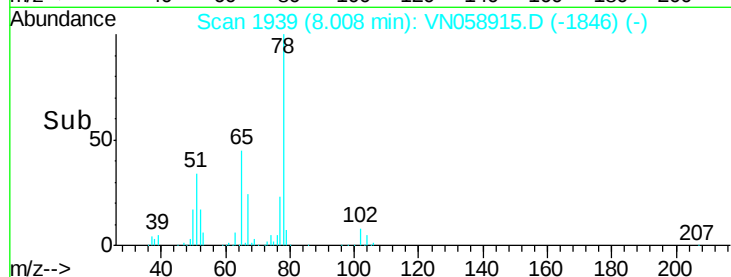
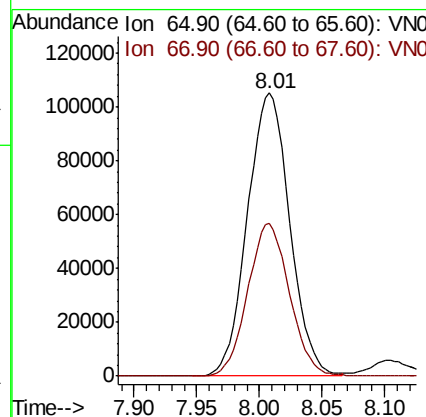
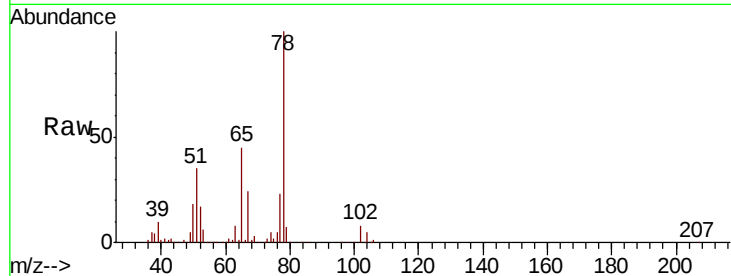
#33
 1,2-Dichloroethane-d4
 Concen: 48.663 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	247463		
67	53.1	0.0	103.2	

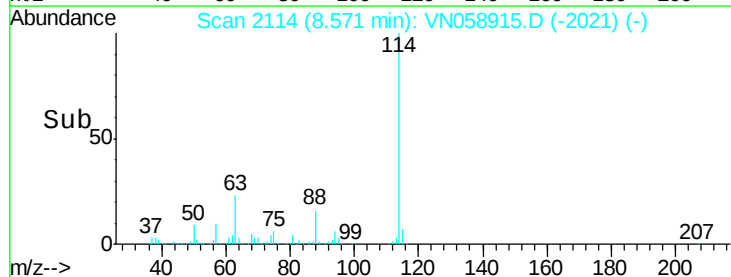
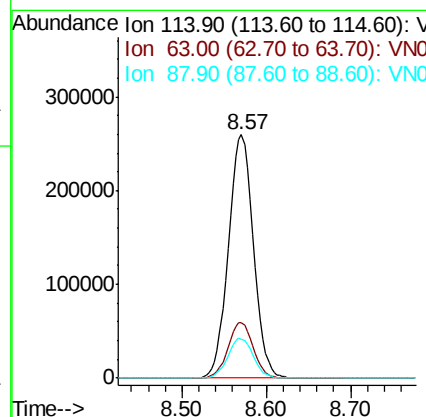
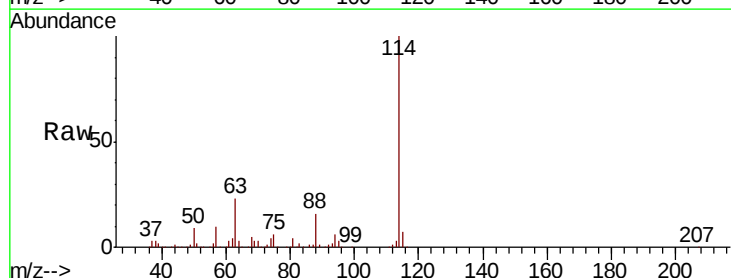
Manual Integrations
 APPROVED

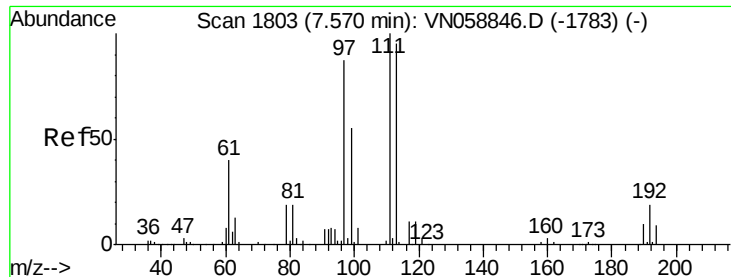
MMDadoda
 10/25/2019 2:44:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	533859		
63	22.9	0.0	44.4	
88	16.1	0.0	31.4	





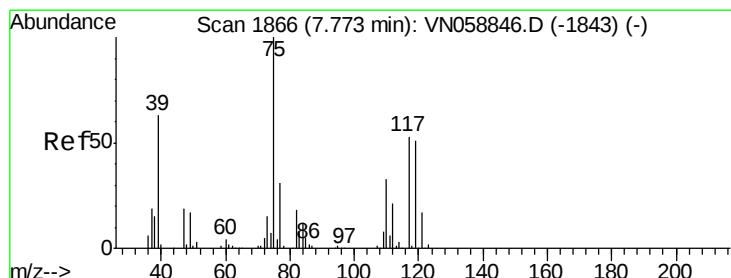
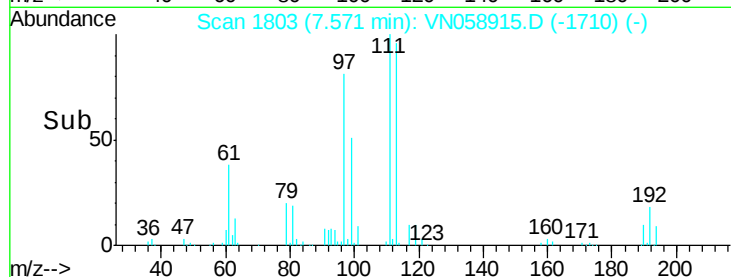
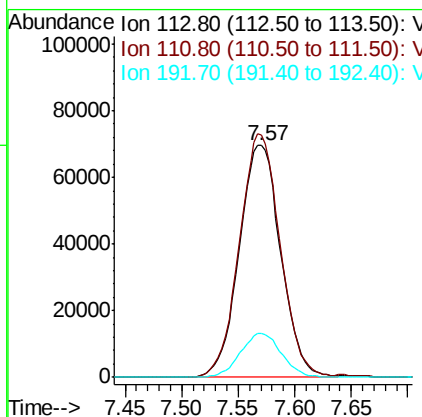
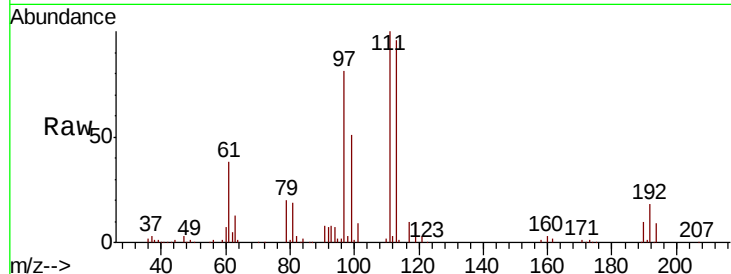
#35
Dibromofluoromethane
Concen: 50.670 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177850		
111	103.0	82.0	123.0	
192	18.8	15.0	22.6	

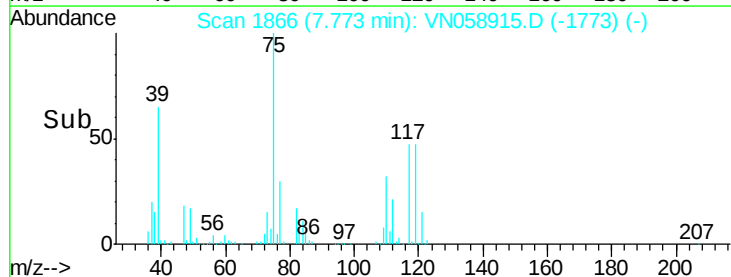
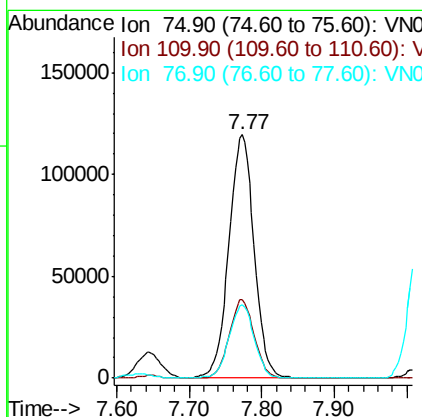
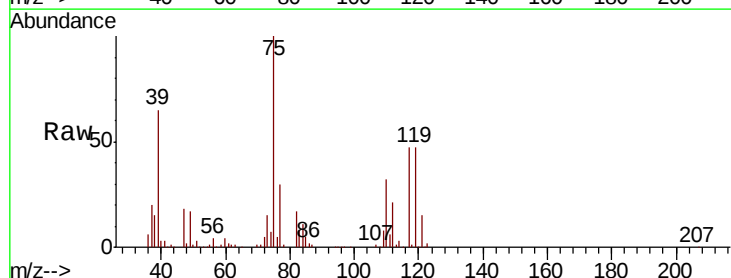
Manual Integrations
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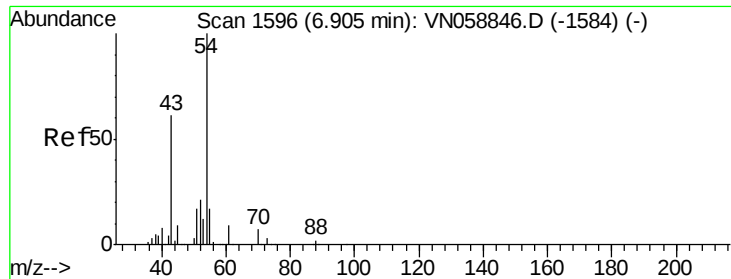
MMDadoda
10/25/2019 2:44:36 PM



#36
1,1-Dichloropropene
Concen: 52.928 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	289282		
110	31.8	16.3	48.9	
77	30.2	24.6	36.8	





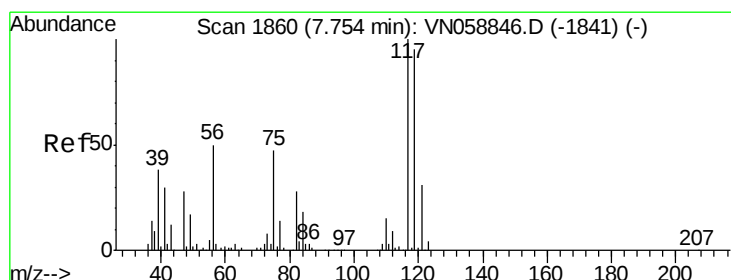
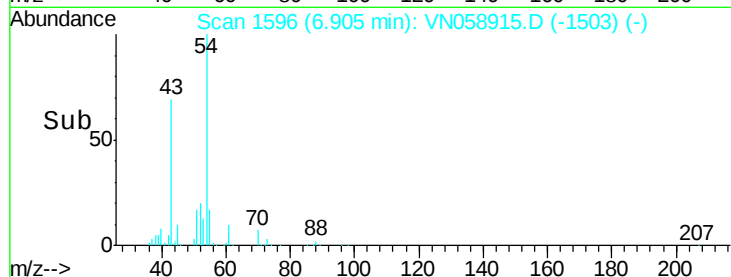
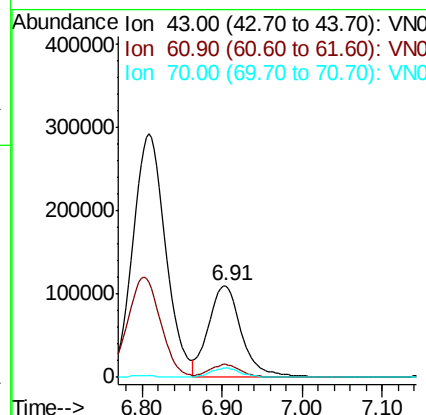
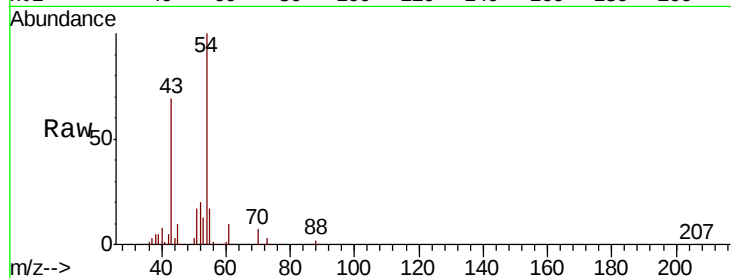
#37
Ethyl Acetate
Concen: 52.801 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.4	7.6	11.4

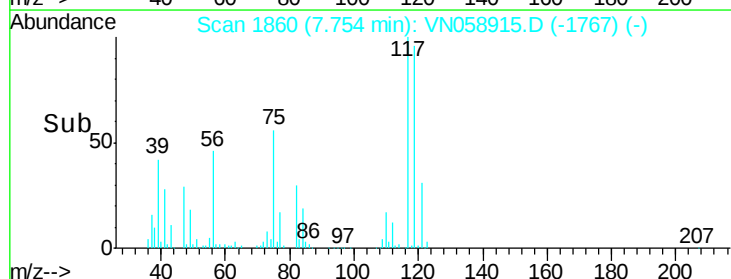
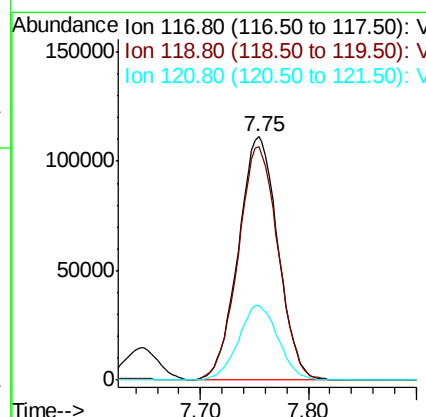
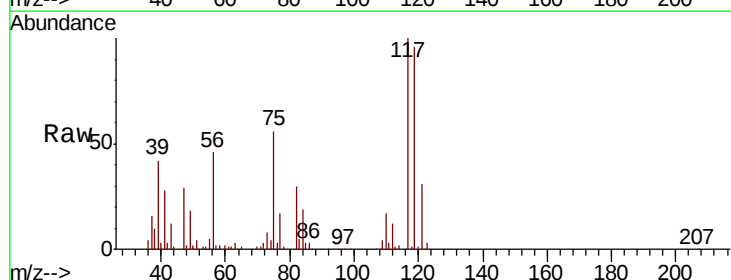
Manual Integrations
APPROVED

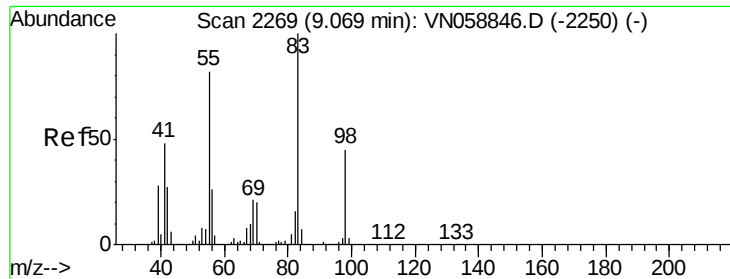
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.551 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.7	113.5
121	30.5	25.0	37.6





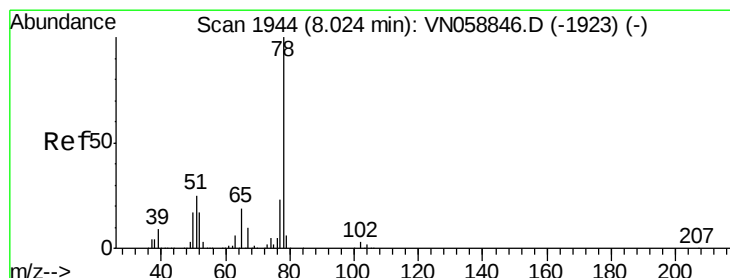
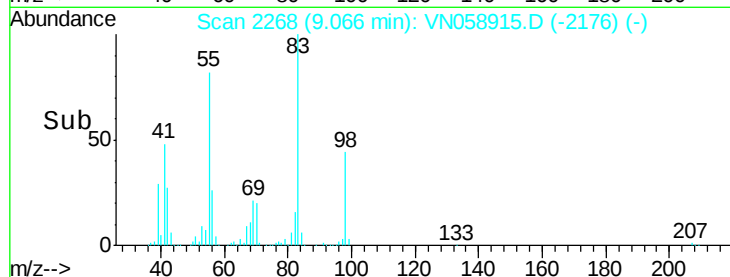
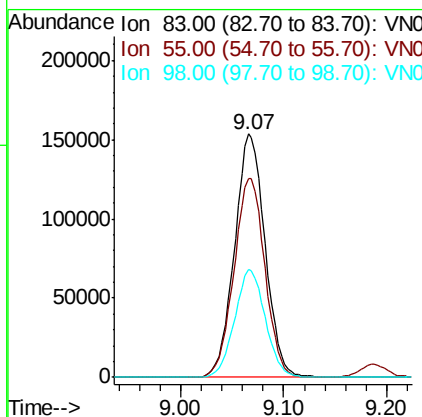
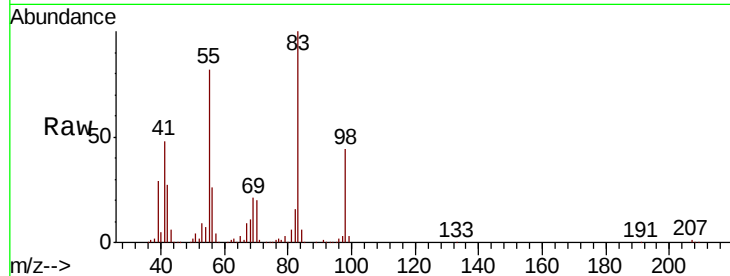
#39
Methvlcvclohexane
Concen: 51.510 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.9	65.5	98.3	
98	44.2	35.7	53.5	

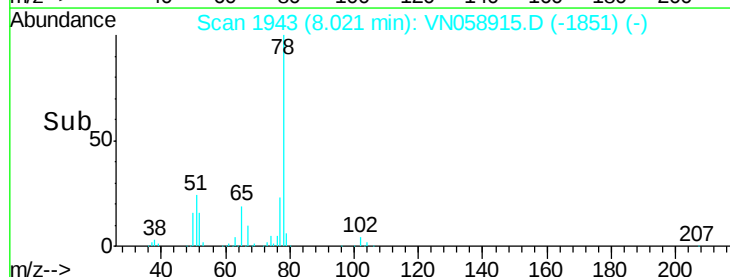
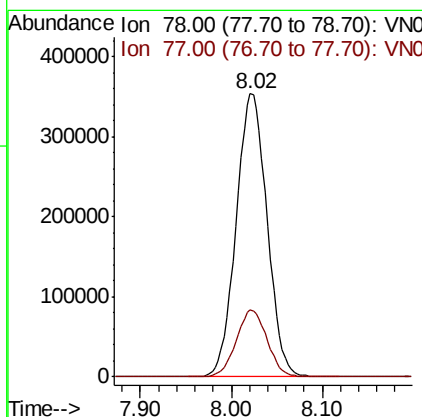
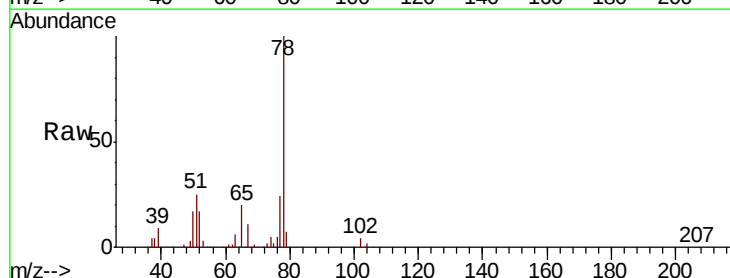
Manual Integrations
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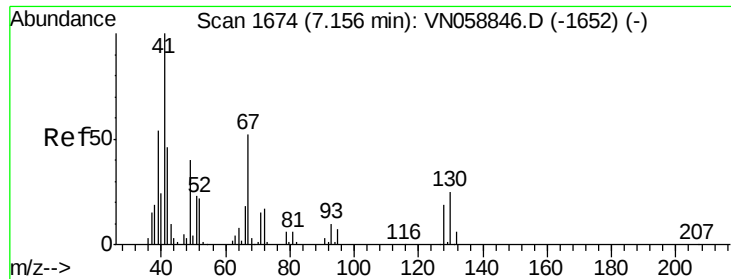
MMDadoda
10/25/2019 2:44:36 PM



#40
Benzene
Concen: 52.051 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.2	27.2	





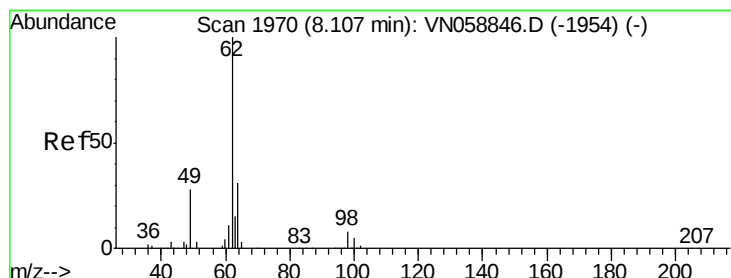
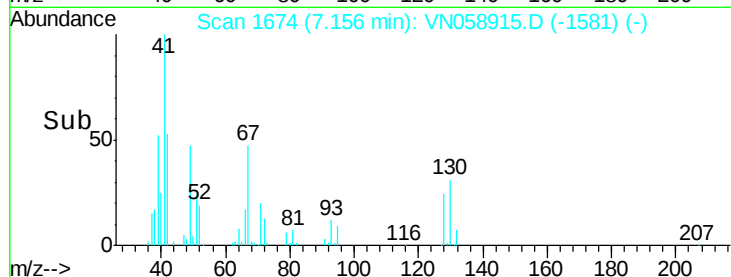
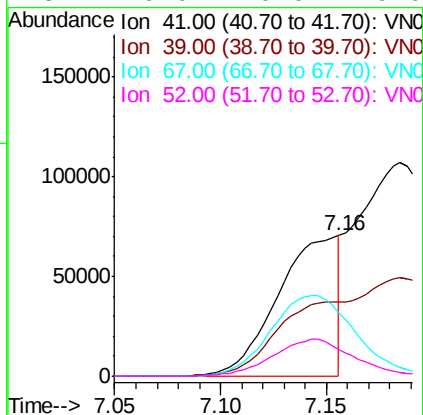
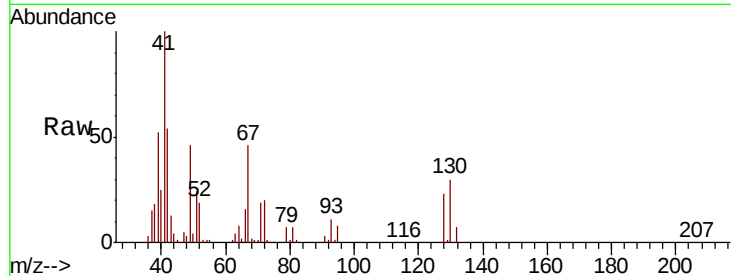
#41
Methacrylonitrile
Concen: 53.336 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	156.8	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

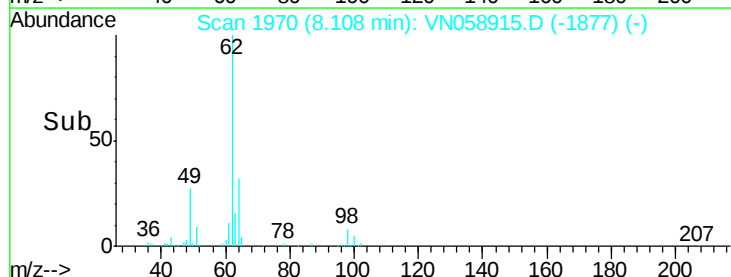
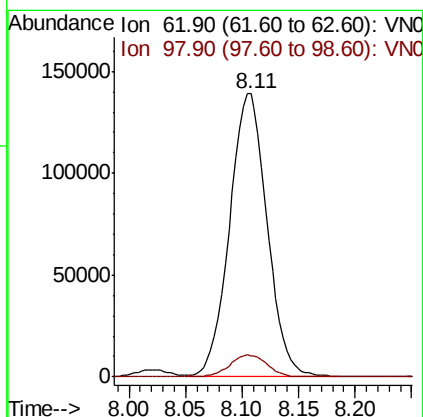
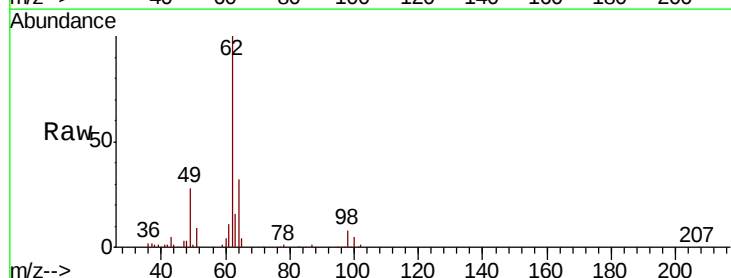
Manual Integrations
APPROVED

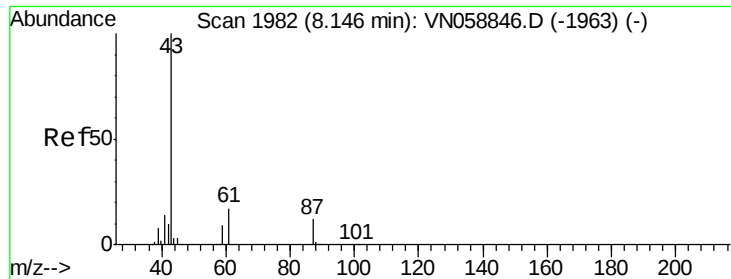
MMDadoda
10/25/2019 2:44:36 PM



#42
1,2-Dichloroethane
Concen: 51.652 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.8	0.0	16.2		





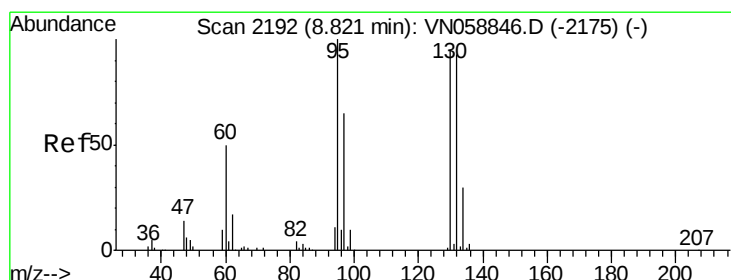
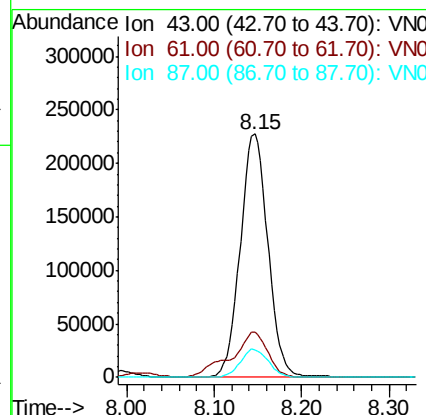
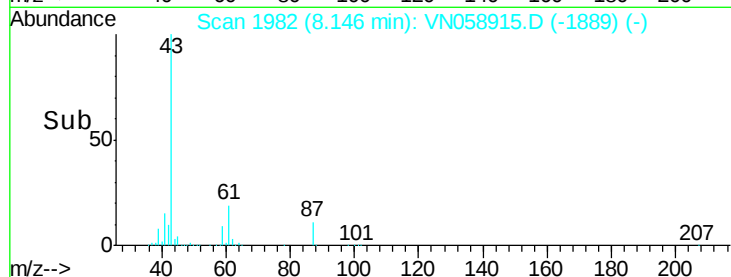
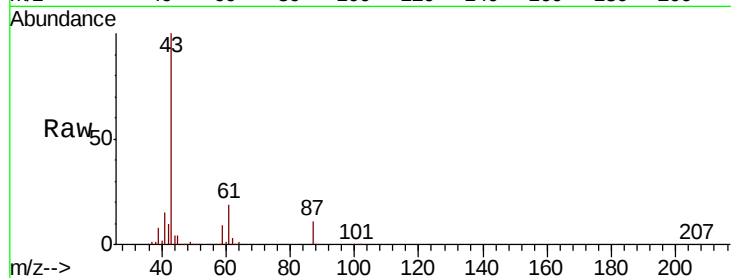
#43
Isopropyl Acetate
Concen: 52.099 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.6	20.2	30.2
87	11.7	9.5	14.3

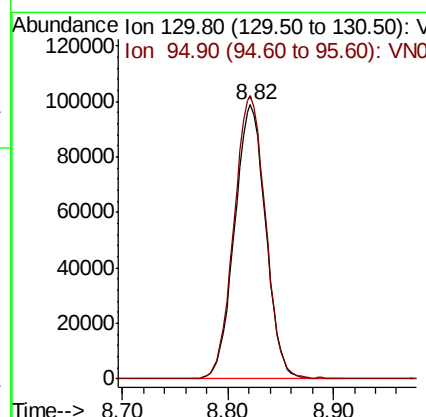
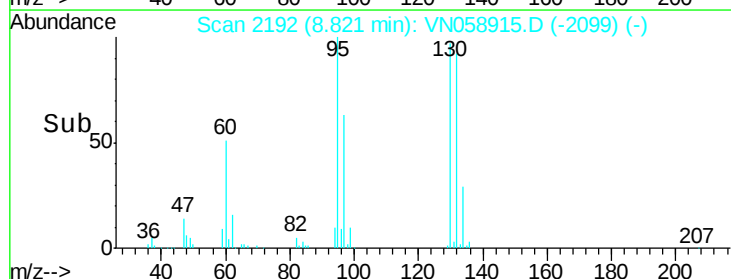
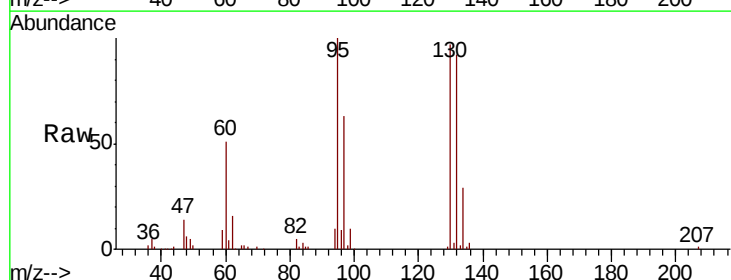
Manual Integrations
APPROVED

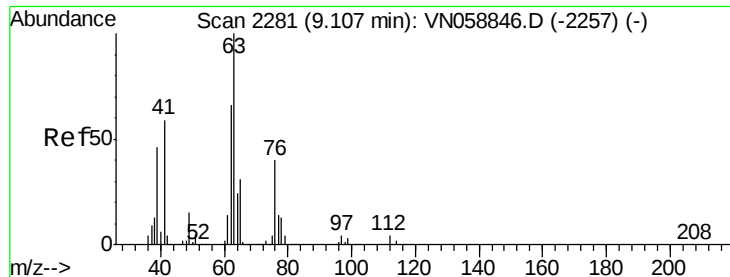
MMDadoda
10/25/2019 2:44:36 PM



#44
Trichloroethene
Concen: 51.595 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	209.6





#45

1,2-Dichloropropane

Concen: 52.200 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 229735

Ion Ratio Lower Upper

63 100

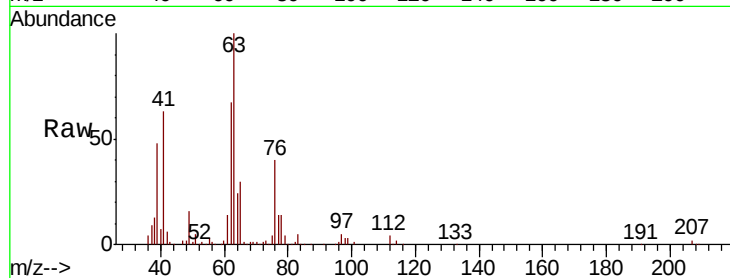
65 30.1 24.5 36.7

Manual Integrations

APPROVED

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

120000

100000

80000

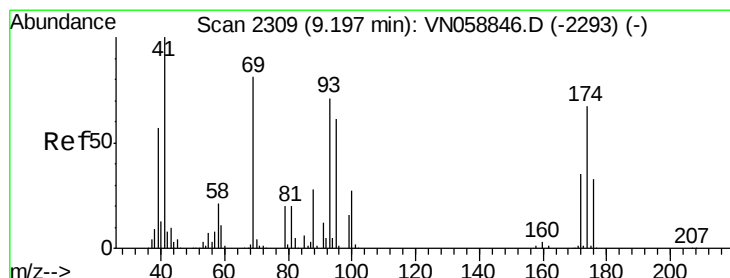
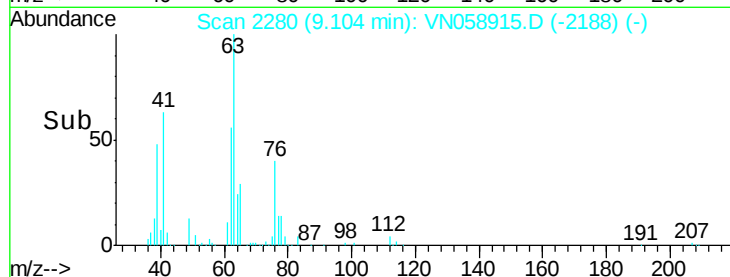
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 52.136 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

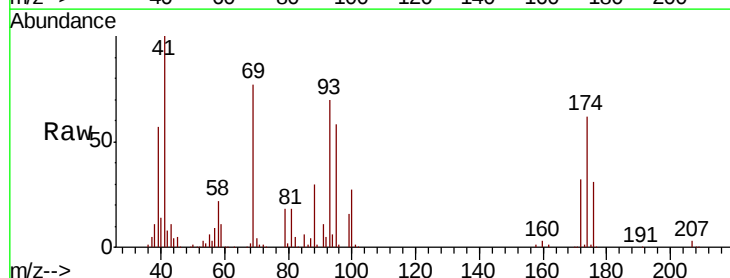
Tgt Ion: 93 Resp: 145054

Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

174 90.8 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.19

80000

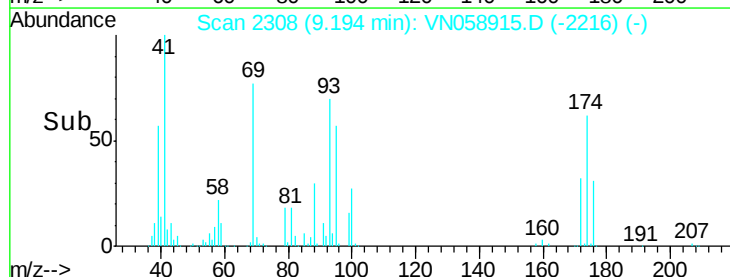
60000

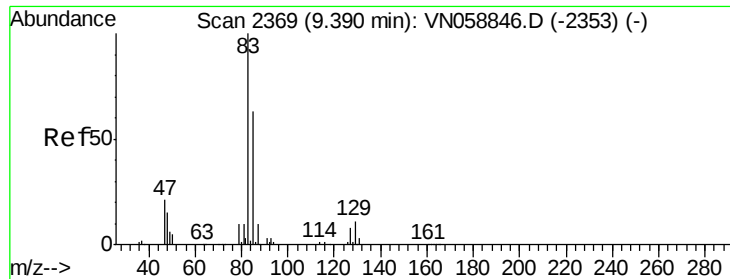
40000

20000

0

Time-->





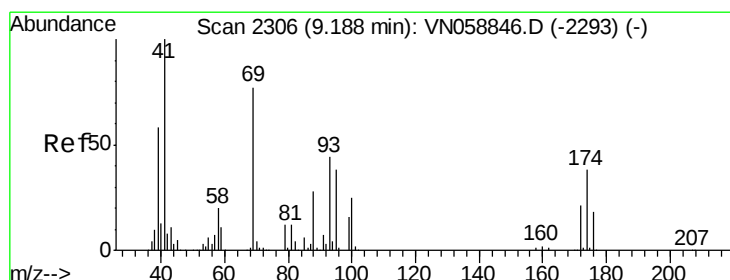
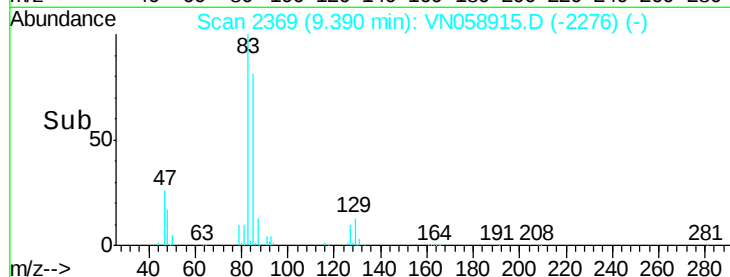
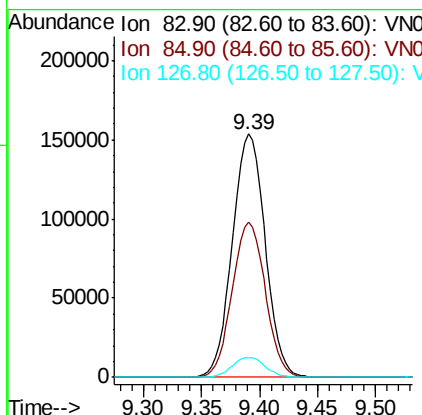
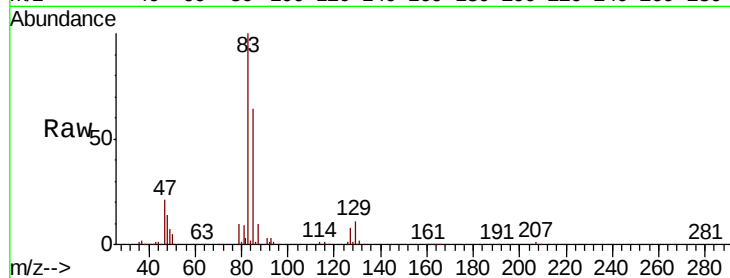
#47
Bromodichloromethane
Concen: 52.799 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	302769
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.6	75.8
127	8.2	6.5	9.7

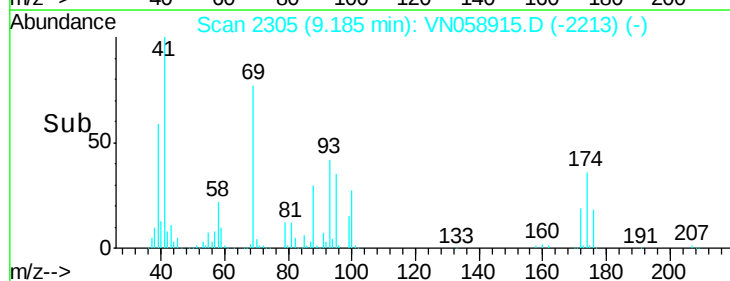
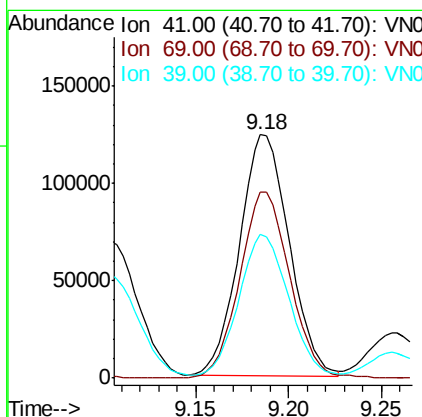
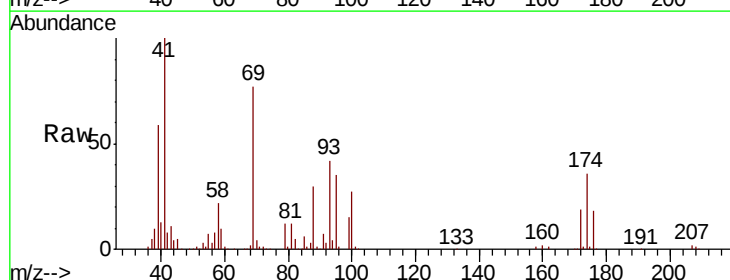
Manual Integrations
APPROVED

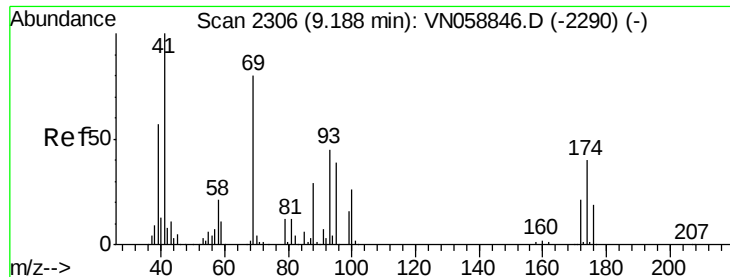
MMDadoda
10/25/2019 2:44:36 PM



#48
Methyl methacrylate
Concen: 53.324 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	41	Resp	231075
Ion Ratio	Lower	Upper	
41	100		
69	77.8	63.8	95.6
39	59.9	47.8	71.8





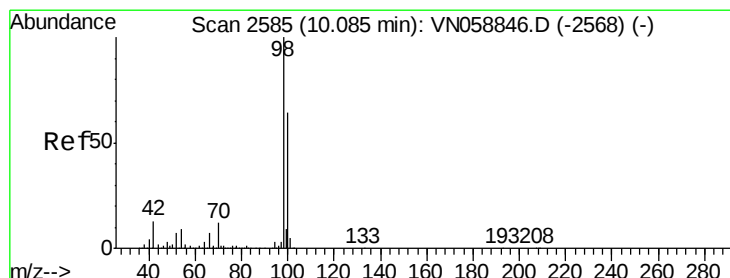
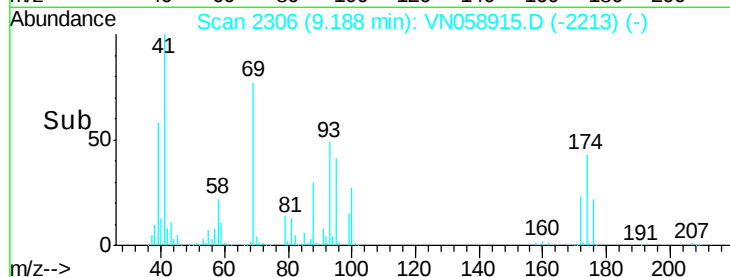
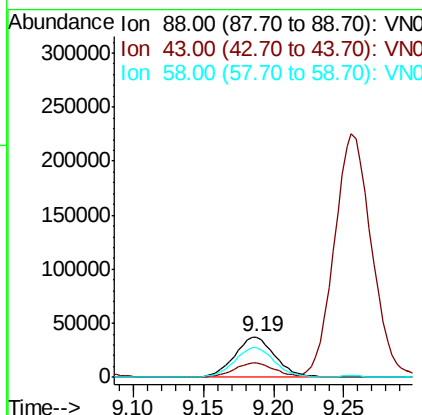
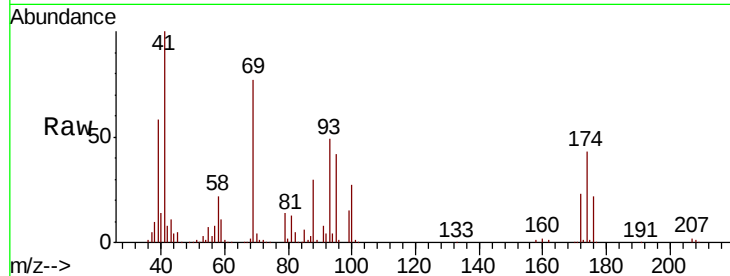
#49
1,4-Dioxane
Concen: 1058.256 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.1	43.7
58	73.4	59.4	89.0

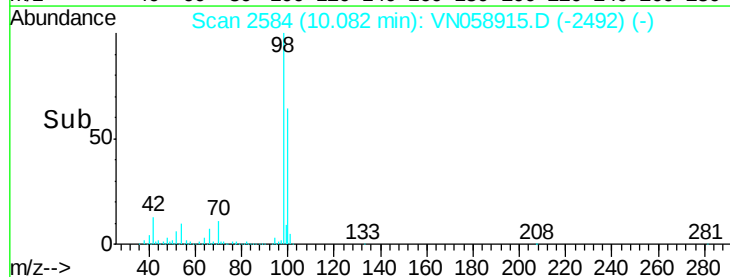
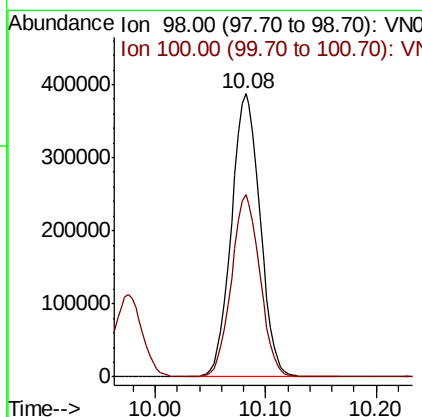
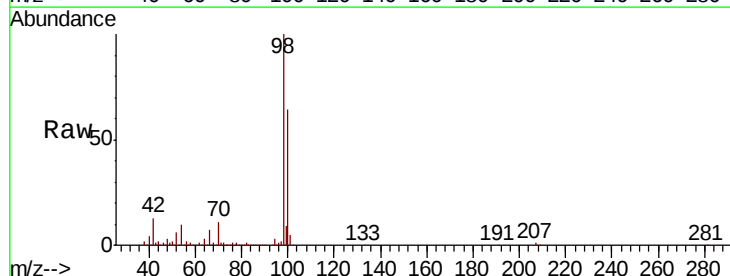
Manual Integrations
APPROVED

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10/25/2019 2:44:36 PM



#50
Toluene-d8
Concen: 51.137 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 279.767 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1560759

Ion Ratio Lower Upper

43 100

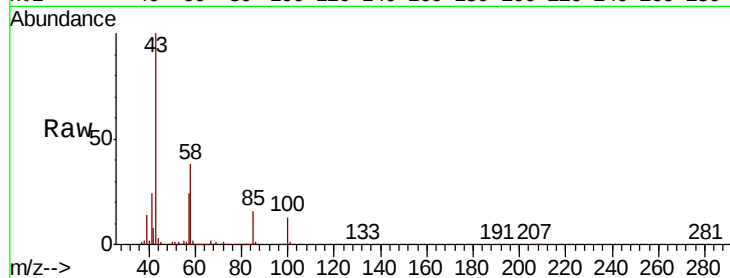
58 37.2 29.9 44.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000000

800000

600000

400000

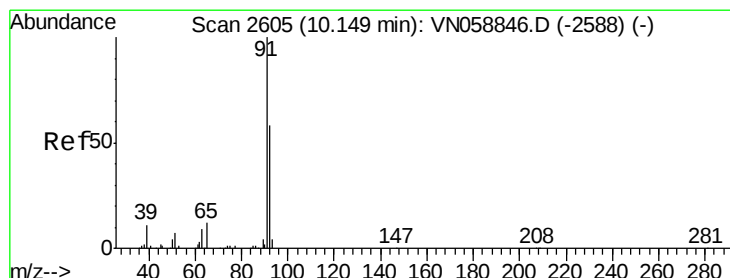
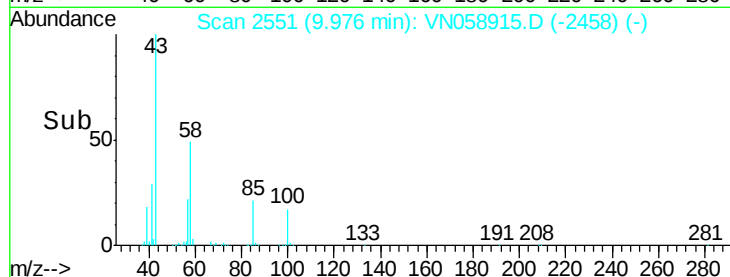
200000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 53.841 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058915.D

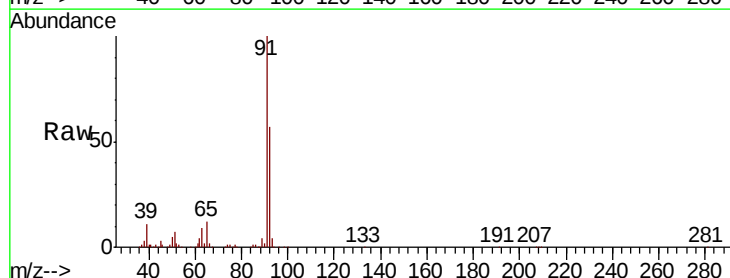
Acq: 23 Oct 2019 9:31

Tgt Ion: 92 Resp: 512444

Ion Ratio Lower Upper

92 100

91 175.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

200000

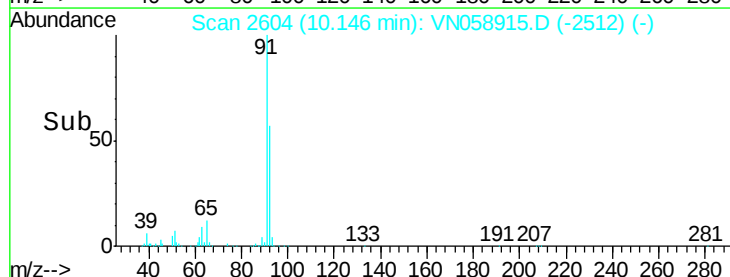
100000

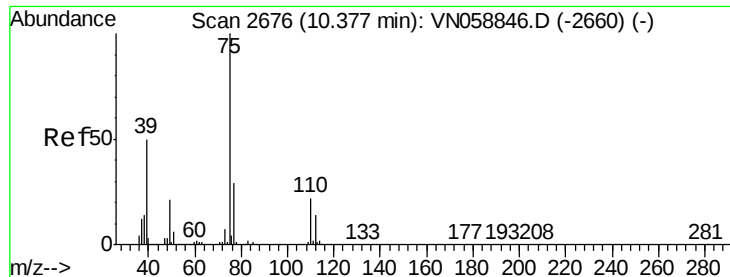
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.069 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 336886

Ion Ratio Lower Upper

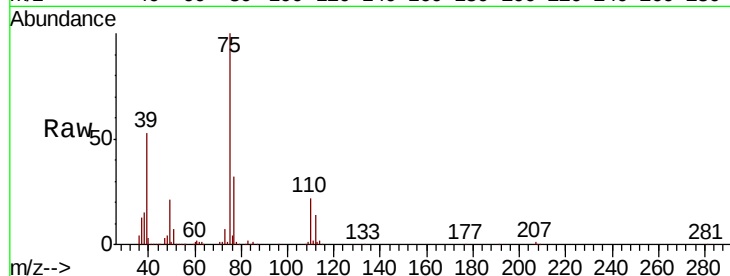
75 100

77 31.9 25.7 38.5

Manual Integrations
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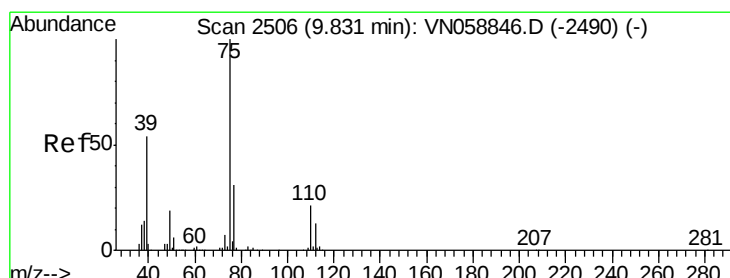
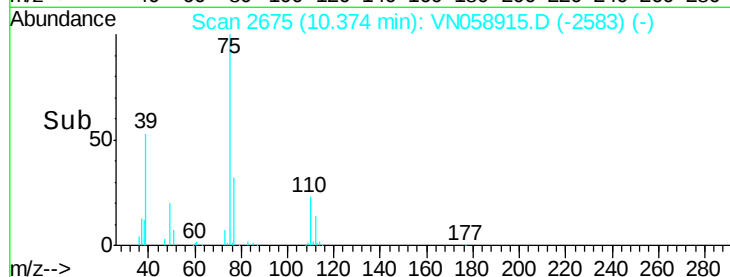
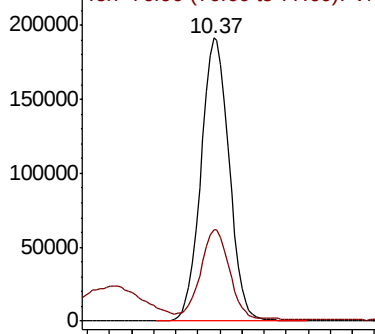
MMDadoda

10/25/2019 2:44:36 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.321 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

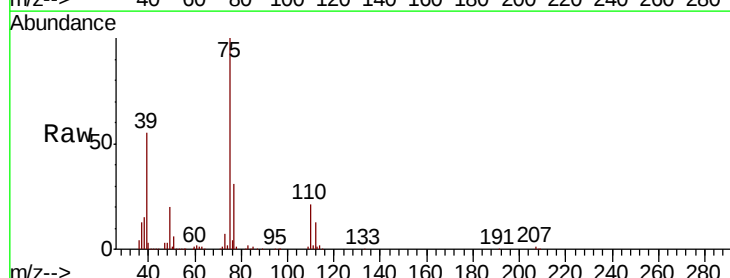
Tgt Ion: 75 Resp: 361628

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

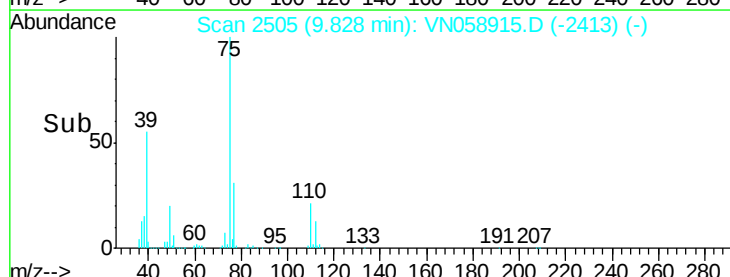
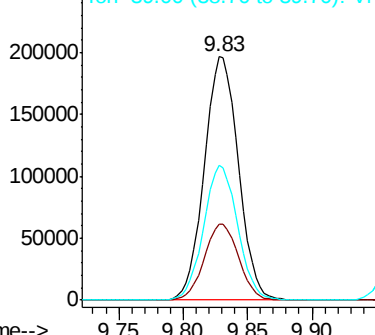
39 55.3 43.5 65.3

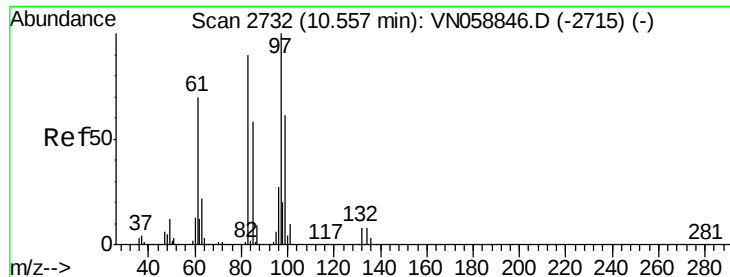


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





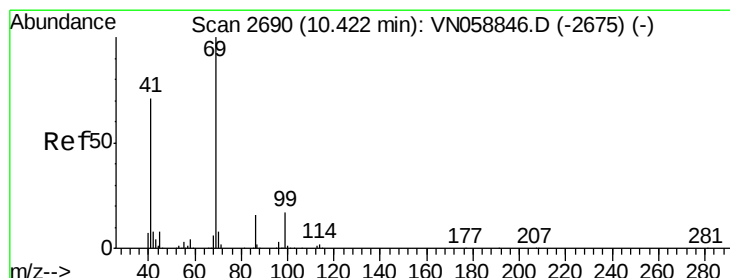
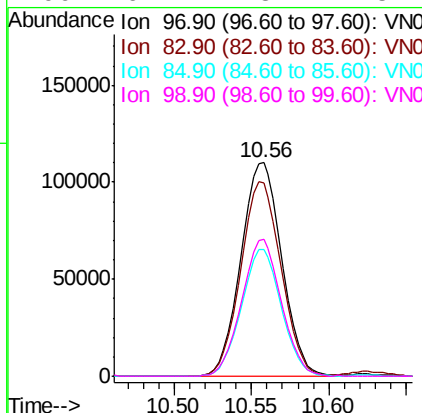
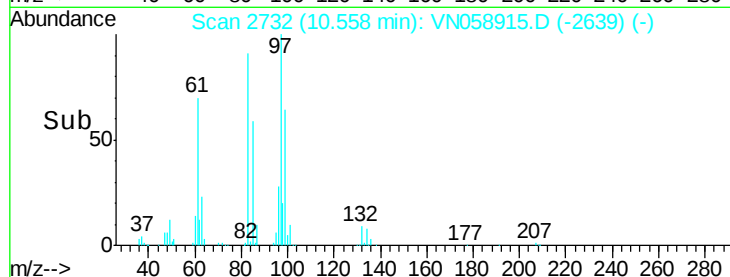
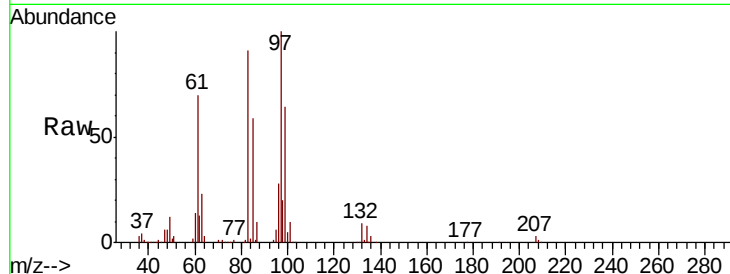
#55
 1,1,2-Trichloroethane
 Concen: 51.409 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	201566
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.2	108.4
85	59.4	46.2	69.2
99	64.4	48.7	73.1

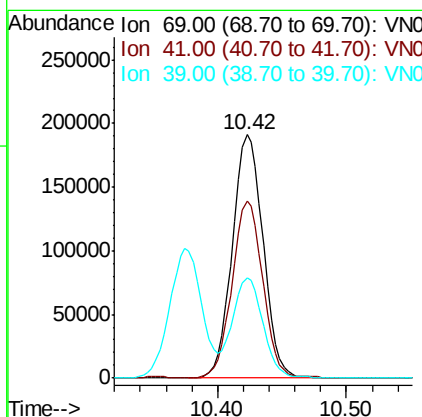
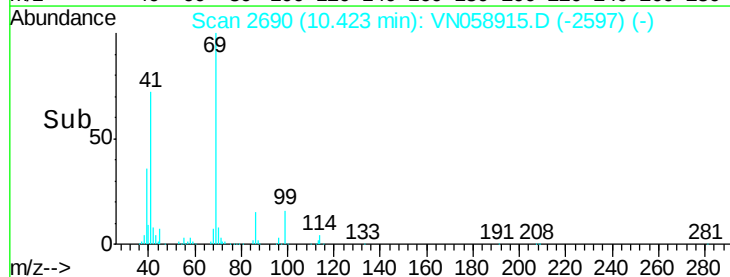
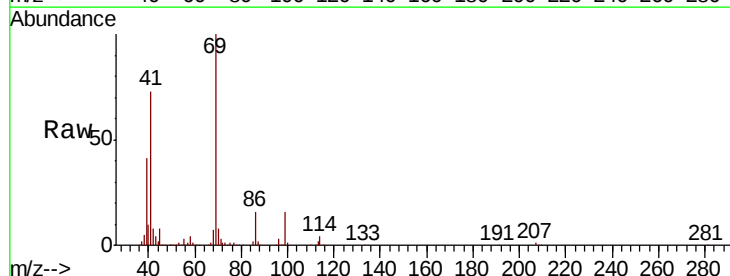
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 48.227 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion:	69	Resp:	317120
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.2	85.8
39	40.9	31.0	46.4





#57

1,3-Dichloropropane

Concen: 52.758 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 363053

Ion Ratio Lower Upper

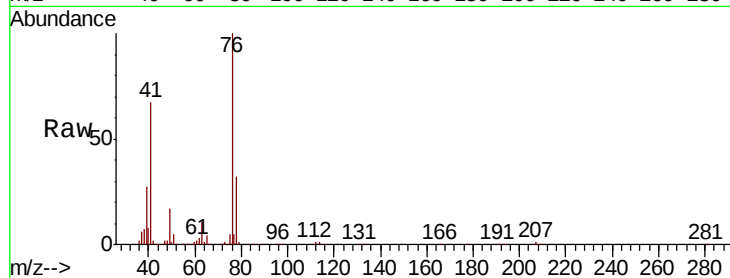
76 100

78 31.8 25.4 38.0

Manual Integrations
APPROVED

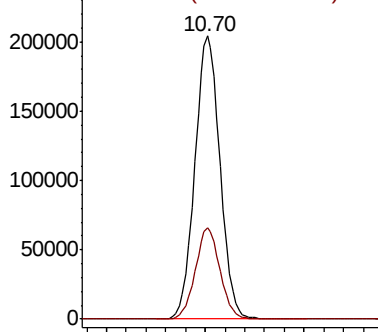
MMDadoda

10/25/2019 2:44:36 PM

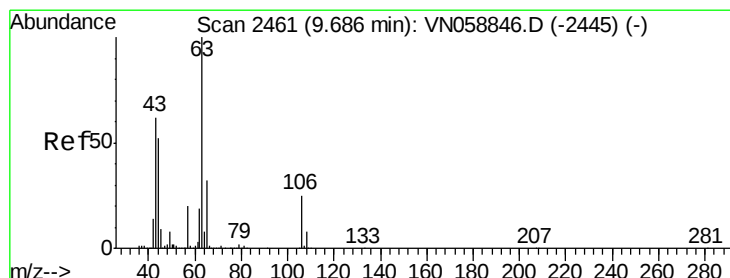
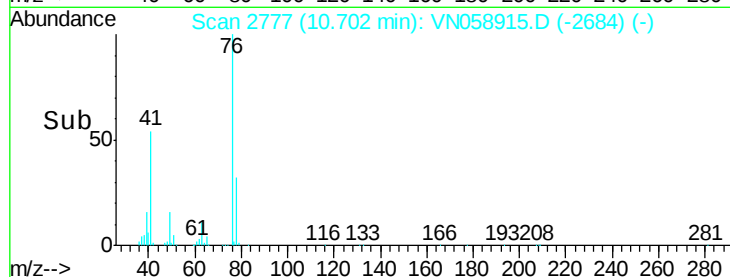


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 242.599 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058915.D

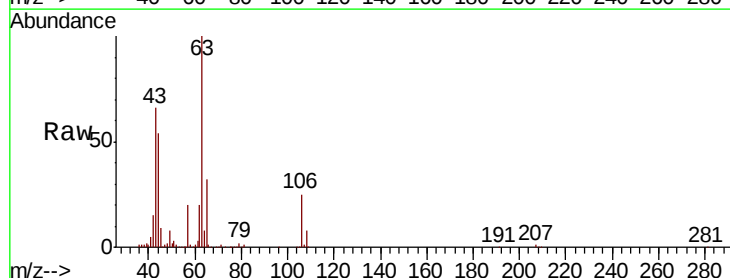
Acq: 23 Oct 2019 9:31

Tgt Ion: 63 Resp: 674228

Ion Ratio Lower Upper

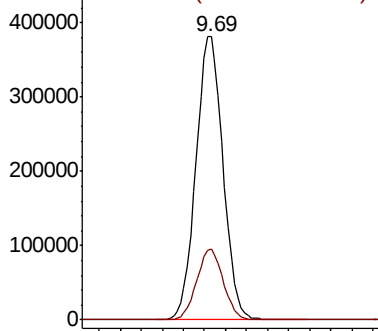
63 100

106 24.6 19.8 29.8

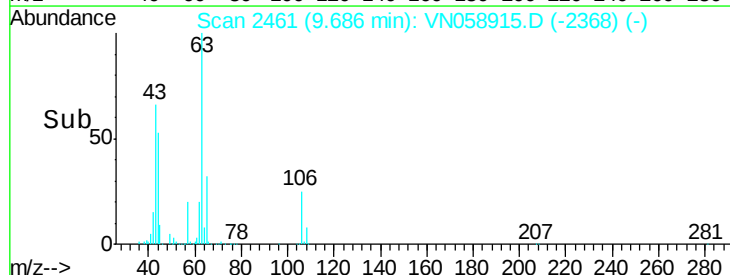


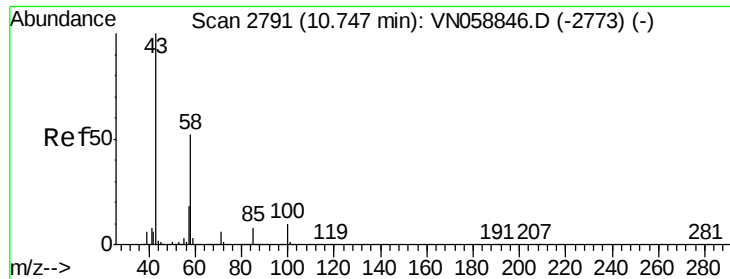
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->





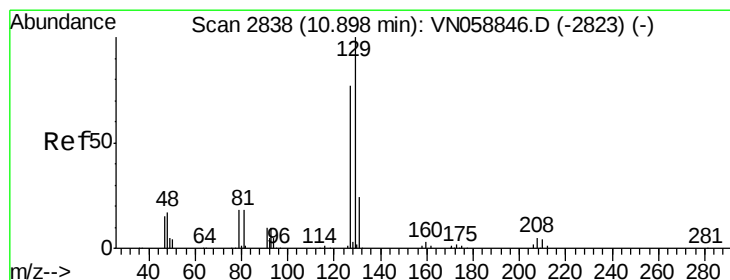
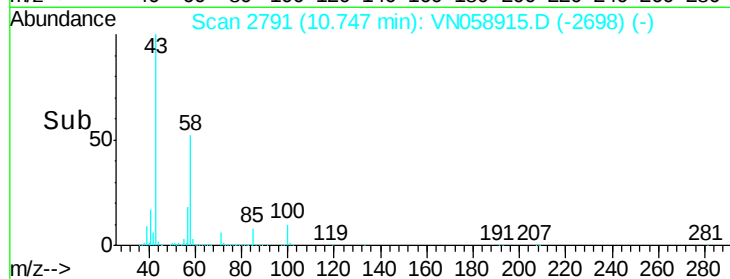
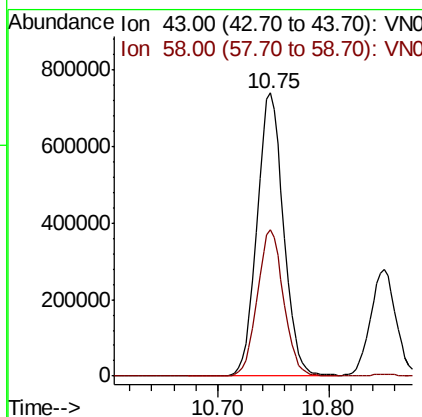
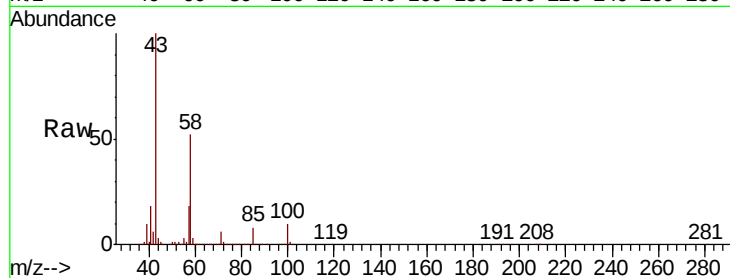
#59
2-Hexanone
Concen: 285.203 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1229485
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

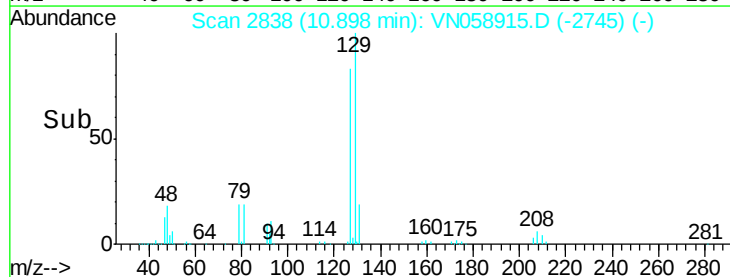
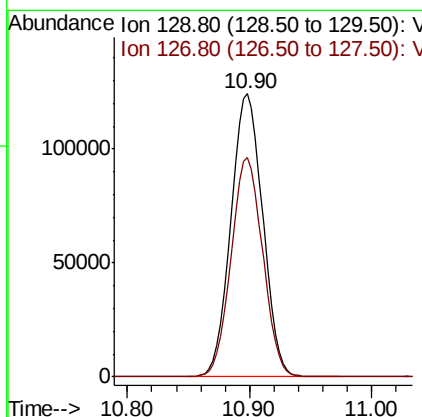
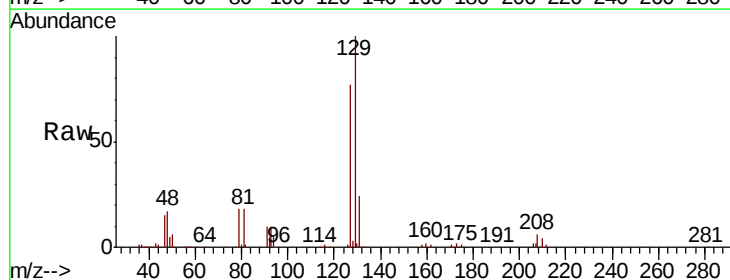
Manual Integrations
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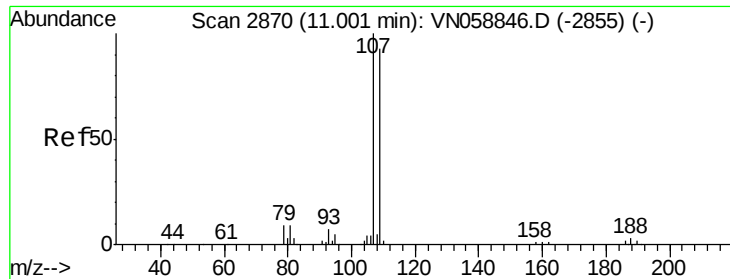
MMDadoda
10/25/2019 2:44:36 PM



#60
Dibromochloromethane
Concen: 53.399 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 129 Resp: 225356
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





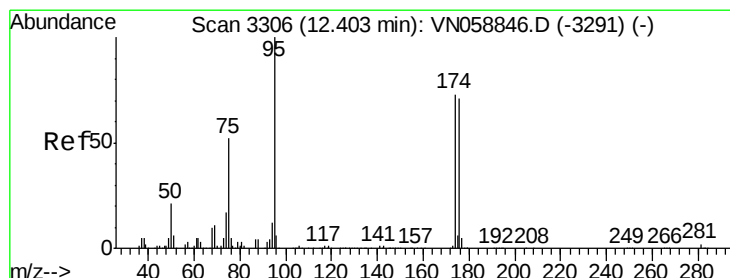
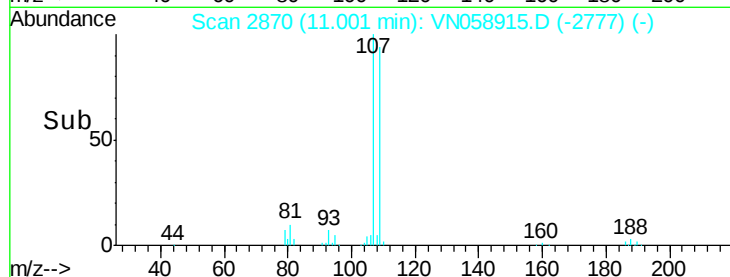
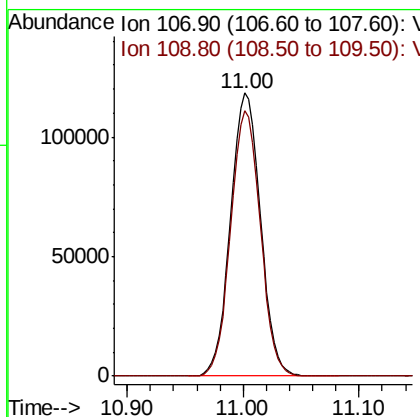
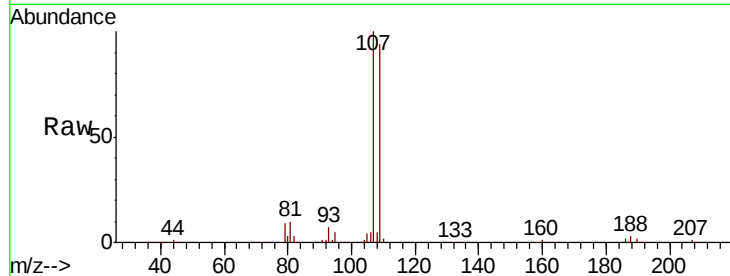
#61
 1,2-Dibromoethane
 Concen: 52.797 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	211850		
109	92.8	75.2	112.8	

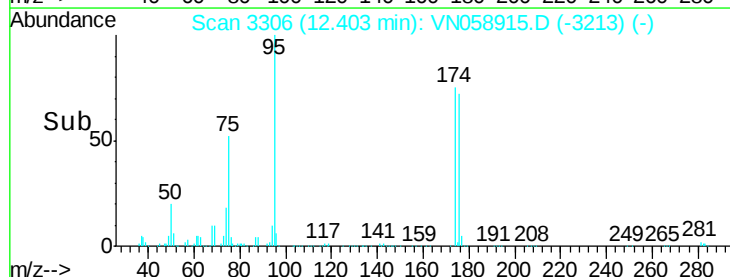
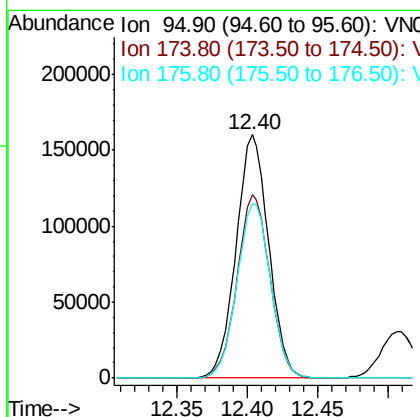
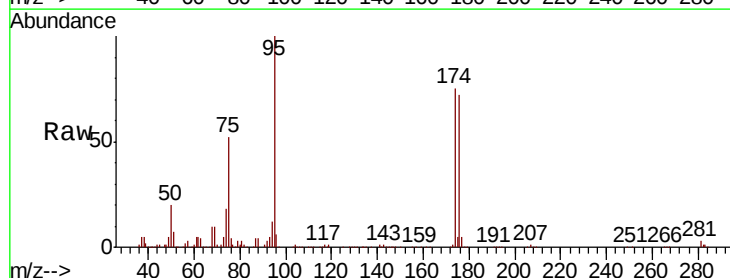
Manual Integrations
 APPROVED

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 10/25/2019 2:44:36 PM



#62
 4-Bromofluorobenzene
 Concen: 51.918 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	259776		
174	75.7	0.0	147.6	
176	73.9	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: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

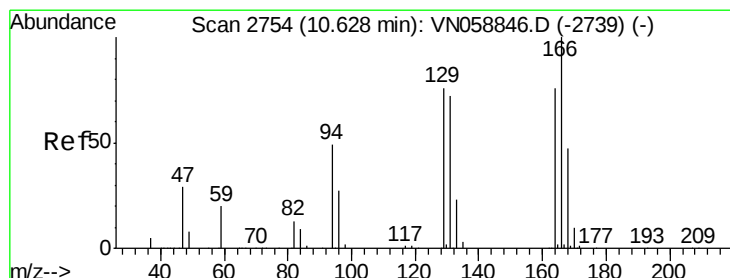
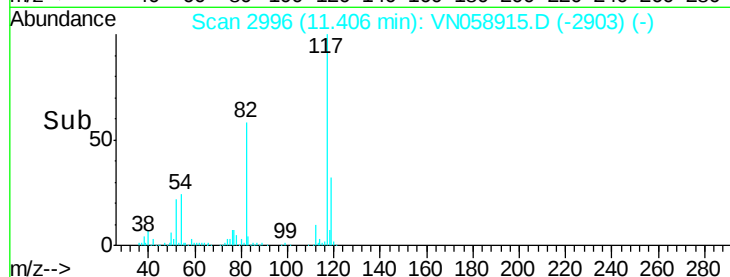
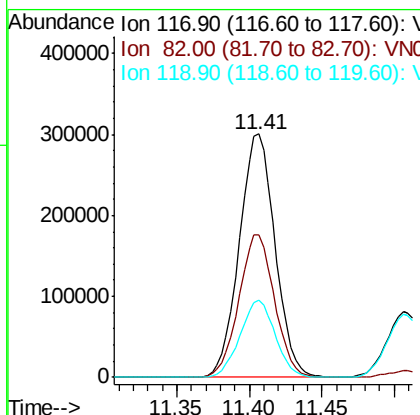
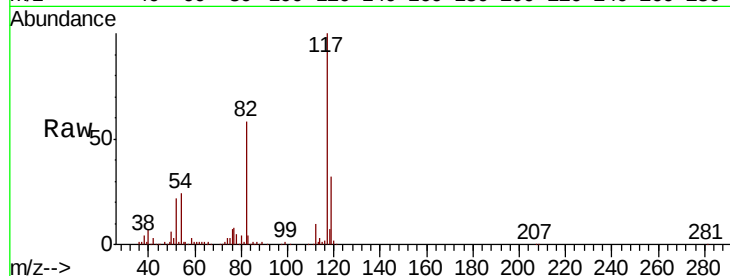
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	515804
Ion Ratio		Lower	Upper
117	100		
82	58.4	46.6	69.8
119	31.6	25.6	38.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 49.521 ug/l

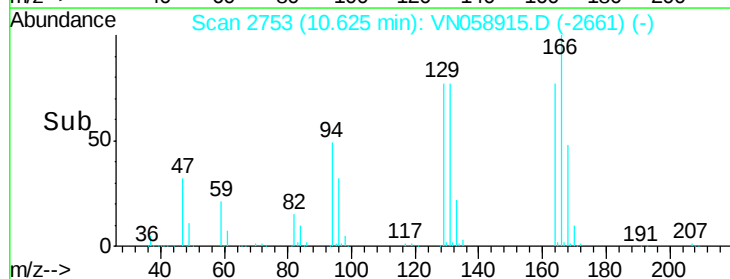
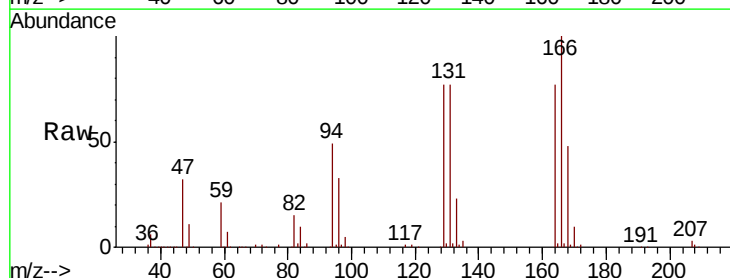
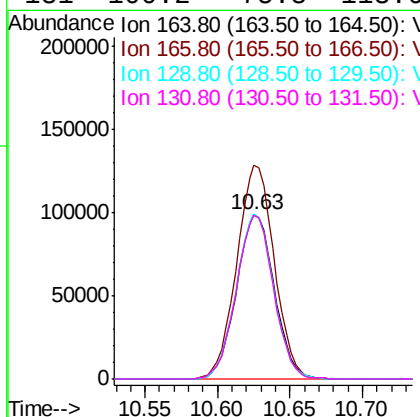
RT: 10.63 min Scan# 2753

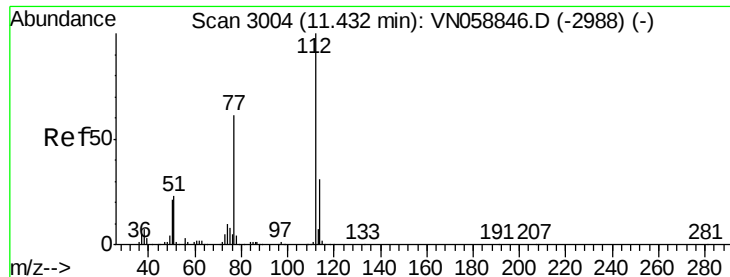
Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion:	164	Resp:	178889
Ion Ratio		Lower	Upper
164	100		
166	130.3	104.8	157.2
129	100.9	79.3	118.9
131	100.2	75.8	113.6





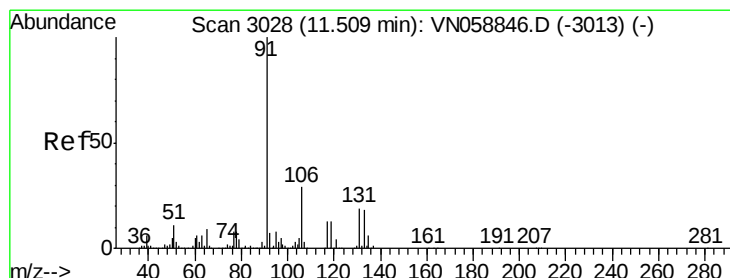
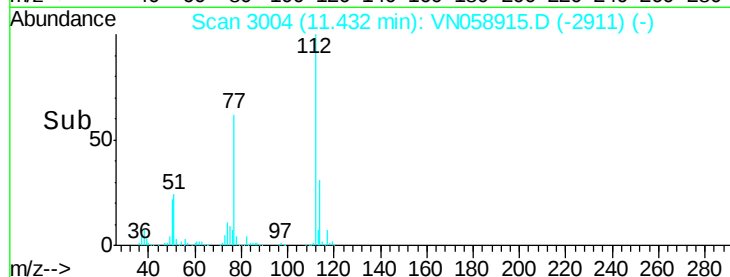
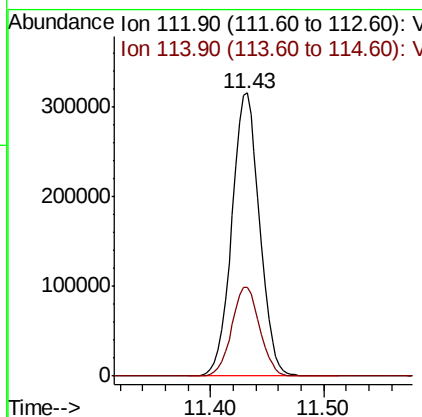
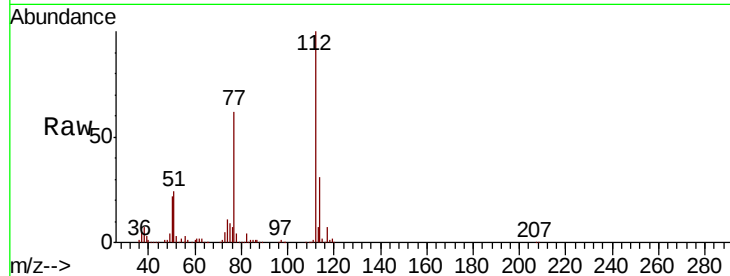
#65
Chlorobenzene
Concen: 51.108 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 536694
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

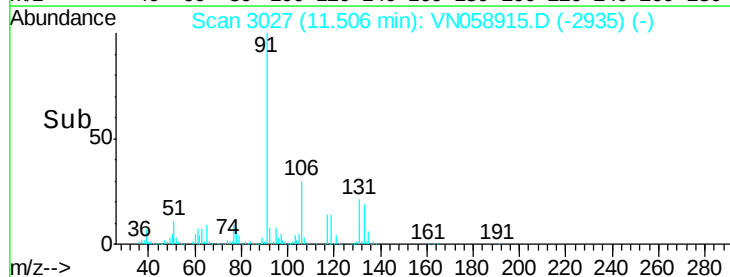
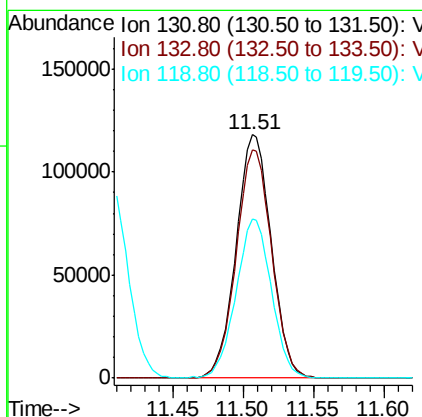
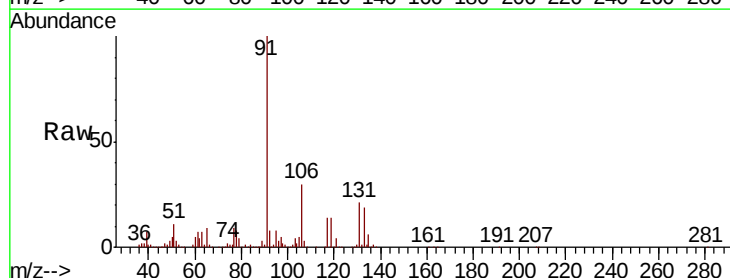
Manual Integrations
APPROVED

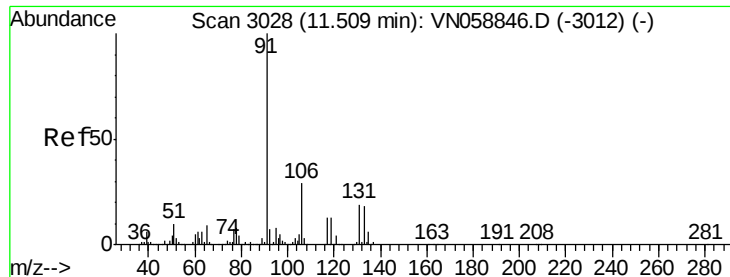
MMDadoda
10/25/2019 2:44:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.076 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion:131 Resp: 206358
Ion Ratio Lower Upper
131 100
133 94.8 48.4 145.2
119 65.8 33.6 100.8





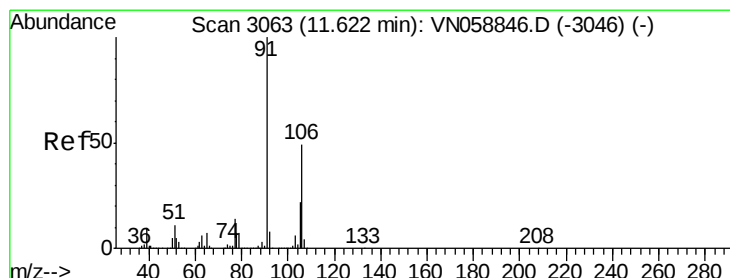
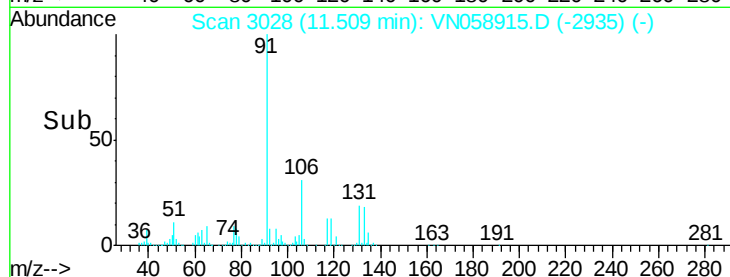
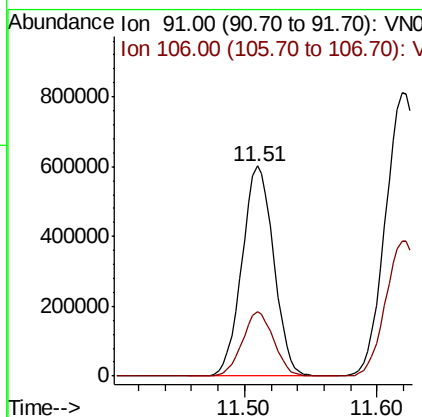
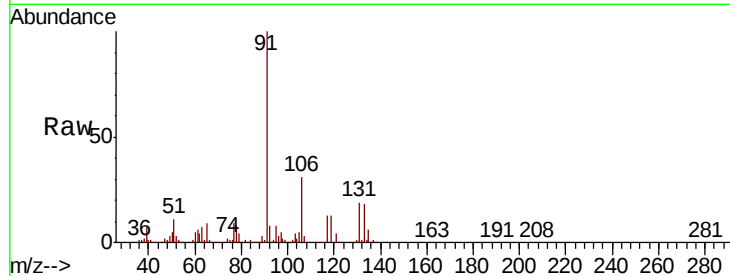
#67
Ethyl Benzene
Concen: 54.245 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.4	35.0

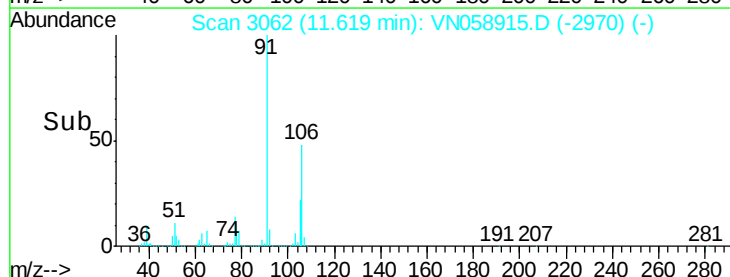
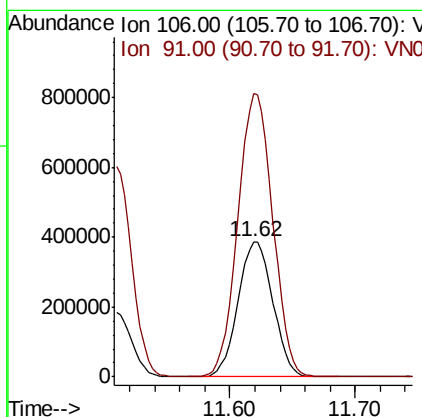
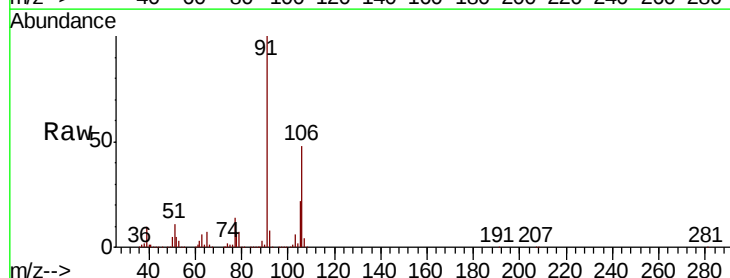
Manual Integrations
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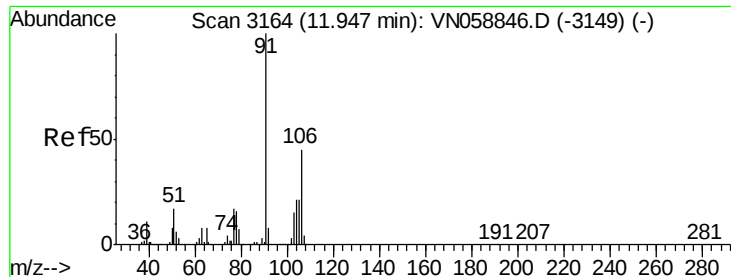
MMDadoda
10/25/2019 2:44:36 PM



#68
m/p-Xylenes
Concen: 108.846 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.1	166.6	249.8





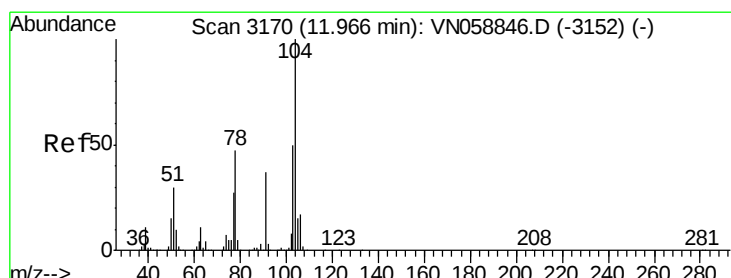
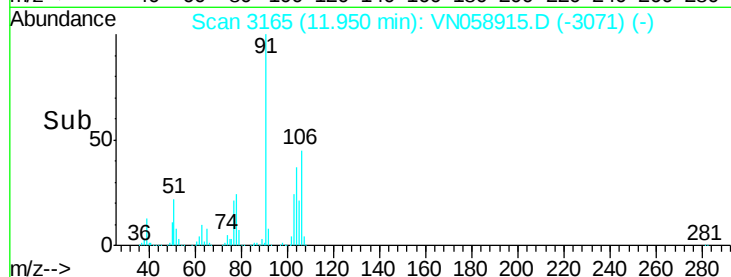
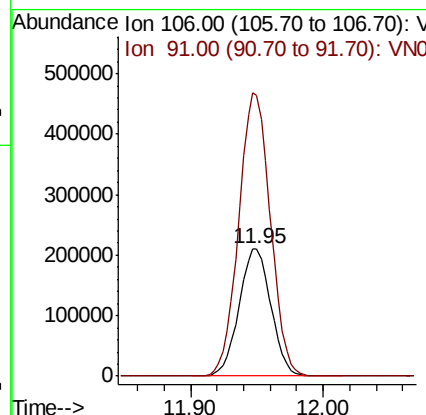
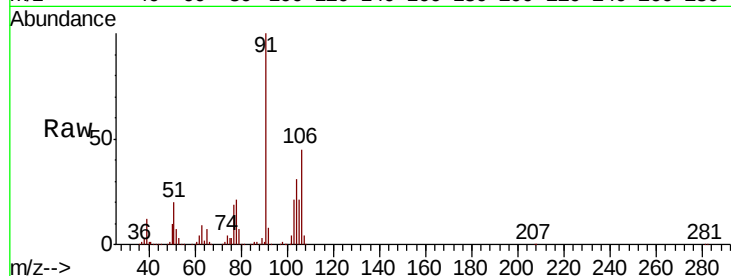
#69
o-Xylene
Concen: 53.859 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		350913		
91	221.3	111.5	334.4		

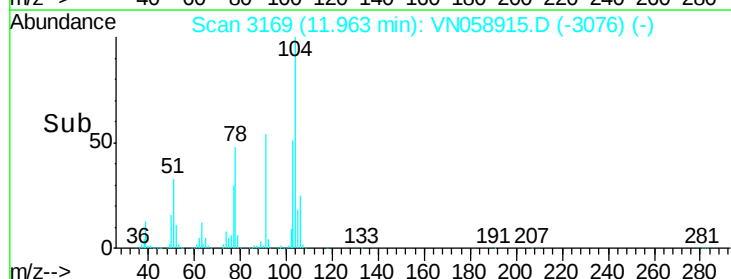
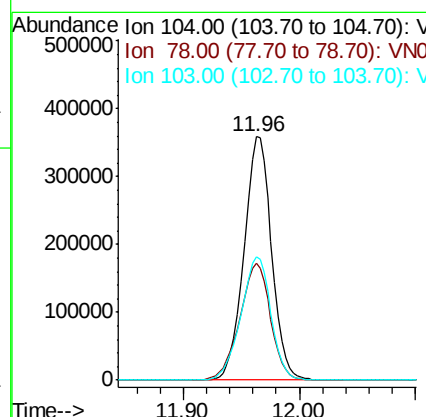
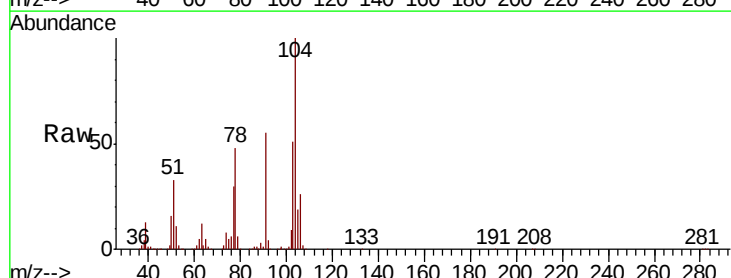
Manual Integrations
APPROVED

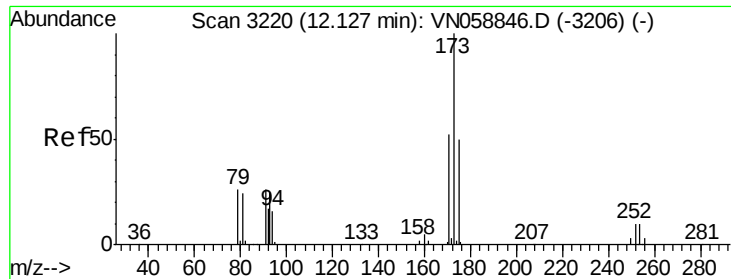
MMDadoda
10/25/2019 2:44:36 PM



#70
Styrene
Concen: 49.282 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		592382		
78	53.3	42.8	64.2		
103	55.0	44.3	66.5		





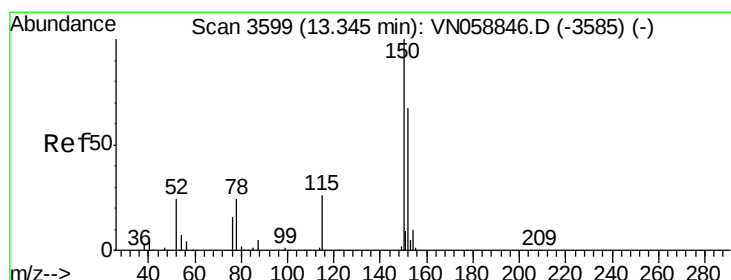
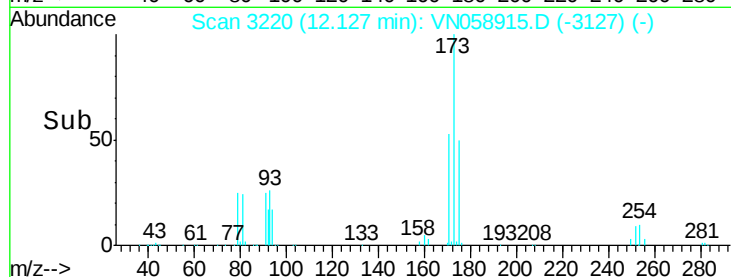
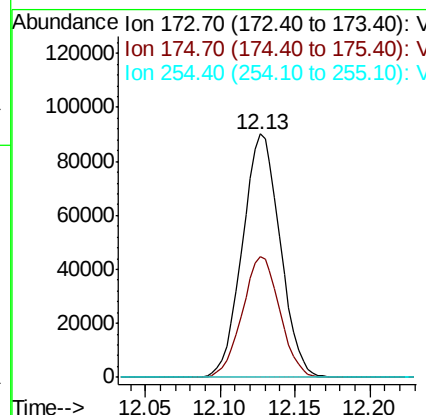
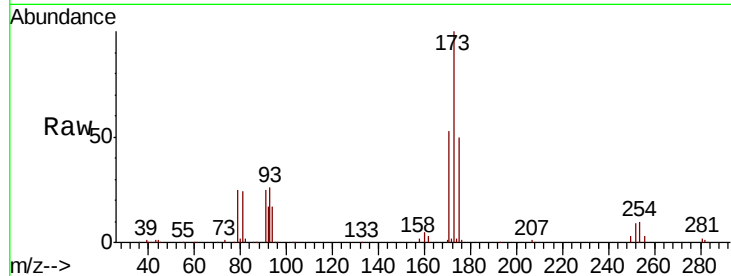
#71
Bromoform
Concen: 51.511 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.0	0.0	0.0

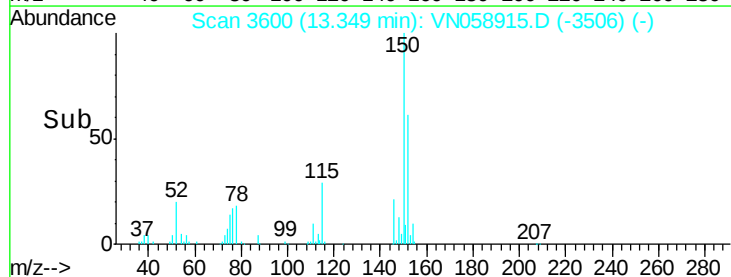
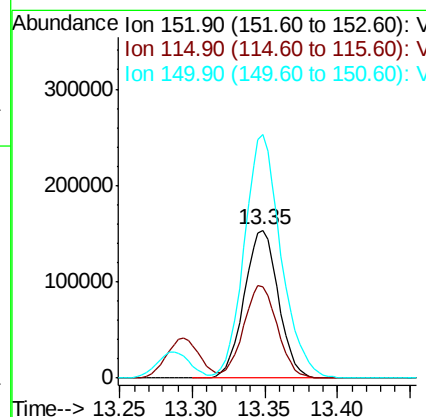
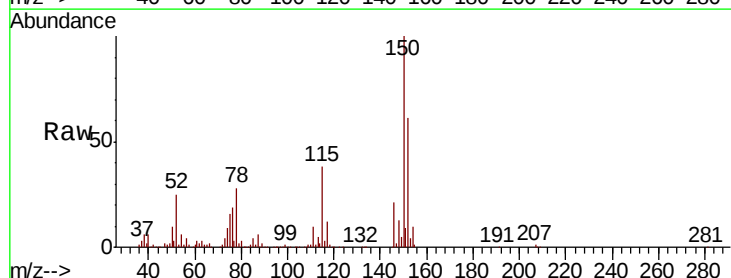
Manual Integrations
APPROVED

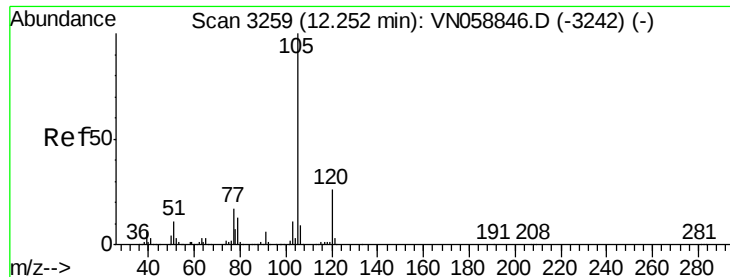
MMDadoda
10/25/2019 2:44:36 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	30.5	91.5
150	176.5	0.0	344.4





#73

Isopropylbenzene

Concen: 52.467 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 963324

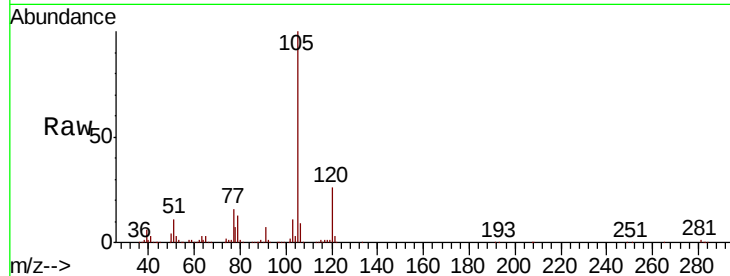
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4

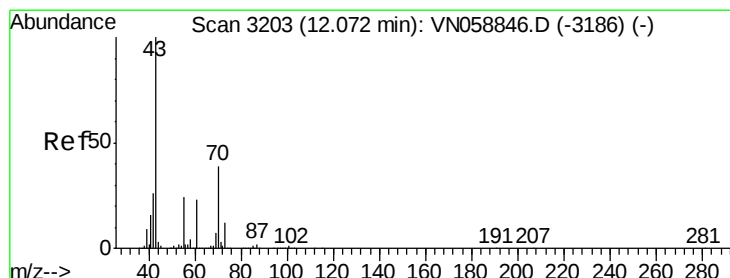
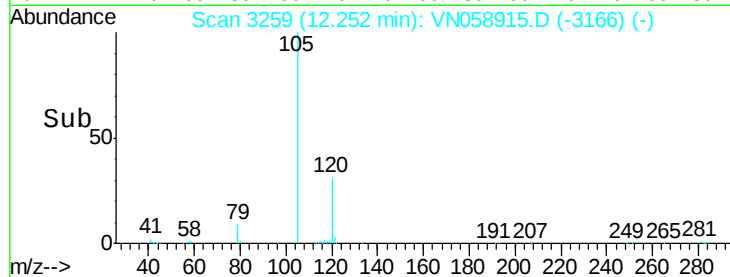
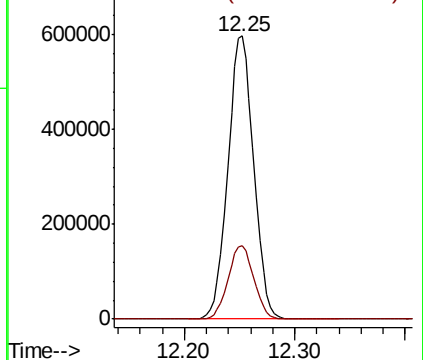
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.397 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion: 43 Resp: 436144

Ion Ratio Lower Upper

43 100

70 39.3 30.9 46.3

55 25.3 19.7 29.5

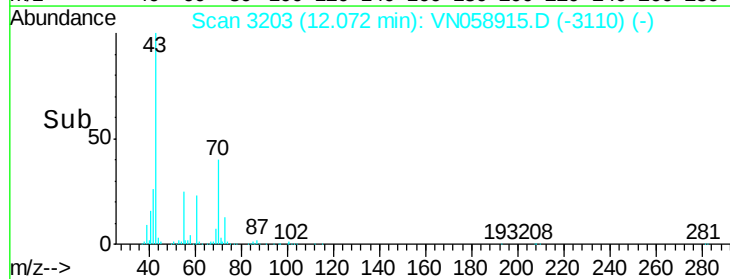
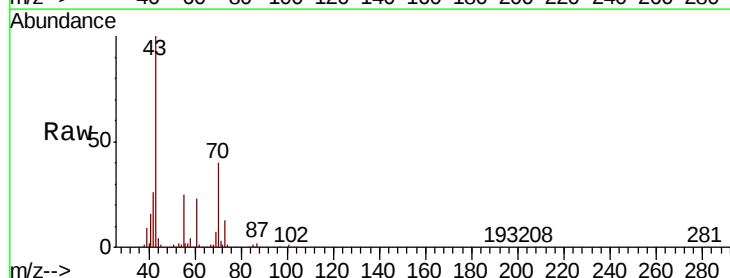
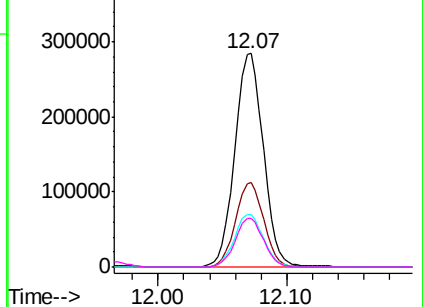
61 22.7 18.2 27.4

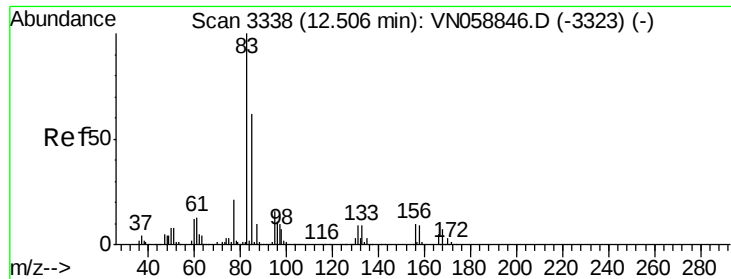
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.084 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 316885

Ion Ratio Lower Upper

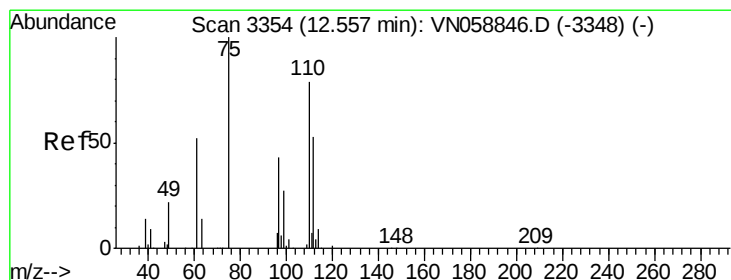
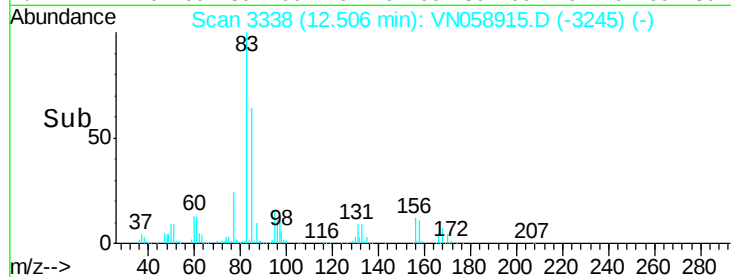
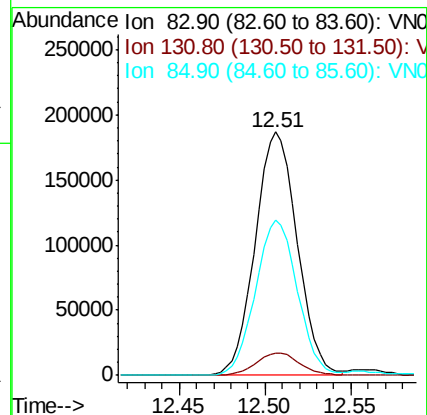
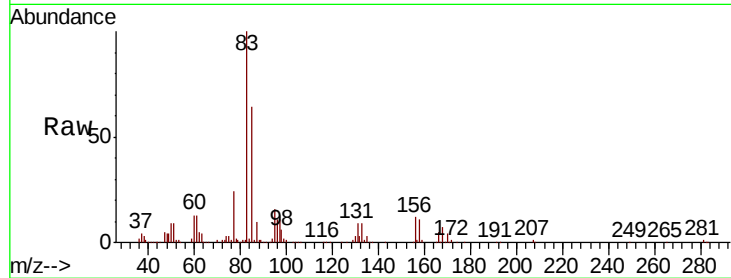
83 100

131 9.7 4.7 14.1

85 63.5 31.7 95.1

Manual Integrations
APPROVED

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10/25/2019 2:44:36 PM



#76

1,2,3-Trichloropropane

Concen: 46.822 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058915.D

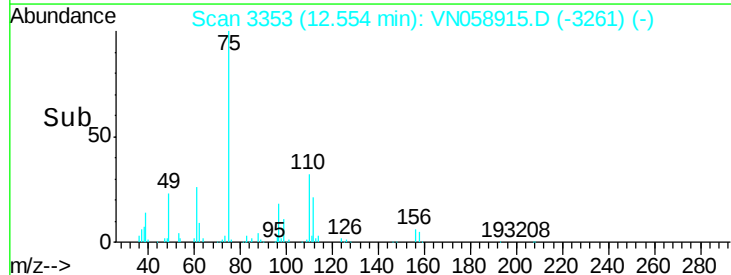
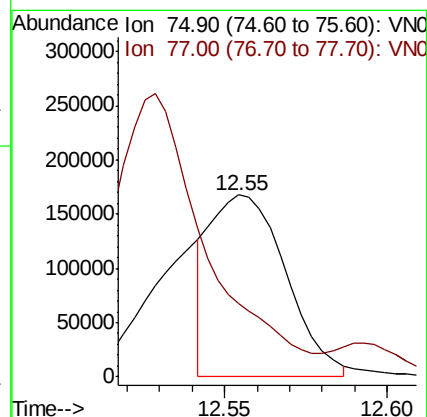
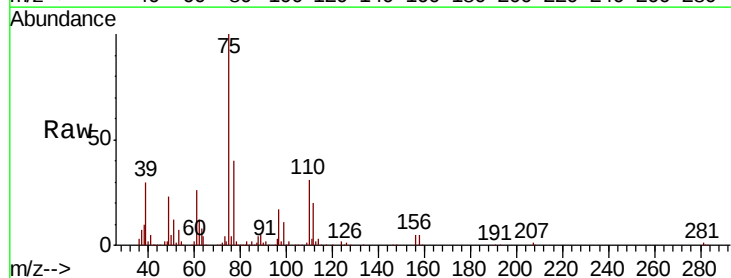
Acq: 23 Oct 2019 9:31

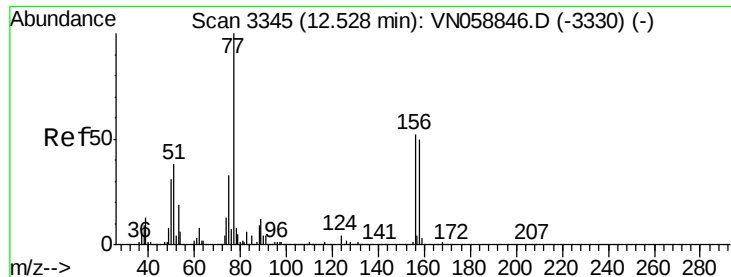
Tgt Ion: 75 Resp: 272627

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.347 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 227848

Ion Ratio Lower Upper

156 100

77 235.3 118.0 354.0

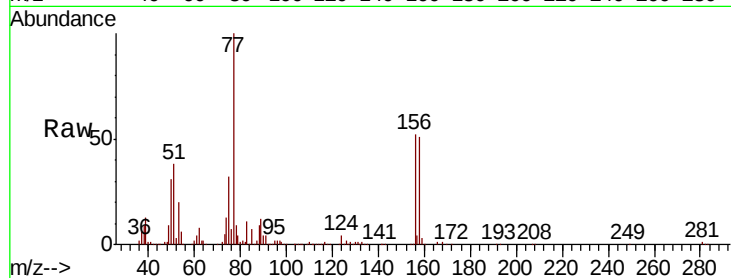
158 98.4 48.3 144.8

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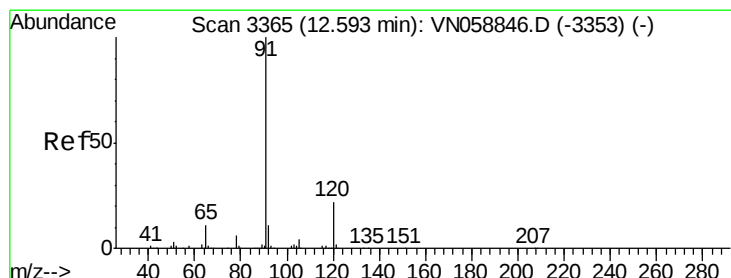
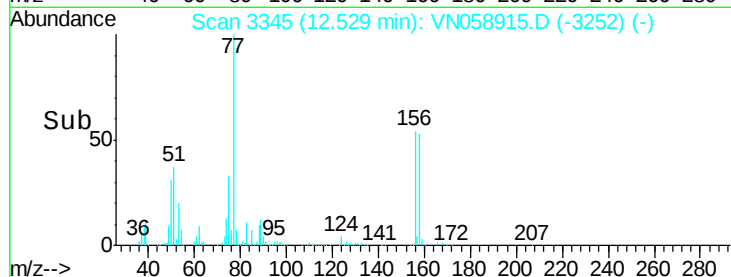
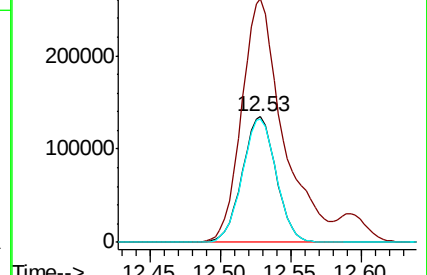
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.977 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058915.D

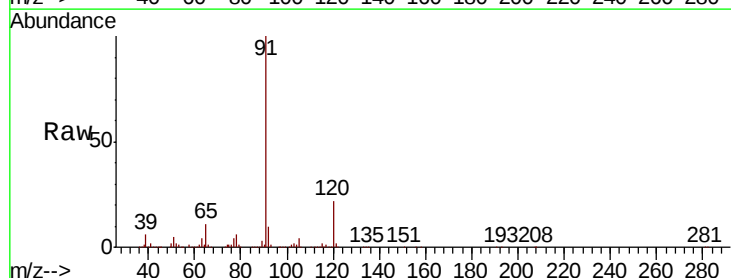
Acq: 23 Oct 2019 9:31

Tgt Ion: 91 Resp: 1171457

Ion Ratio Lower Upper

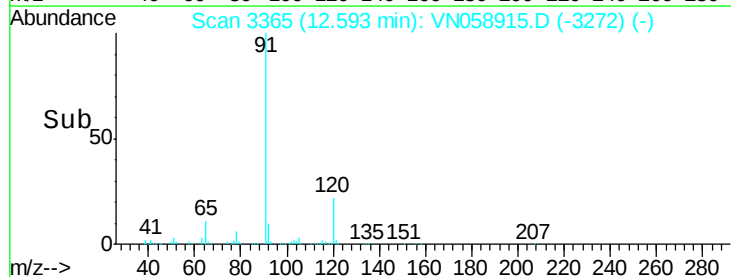
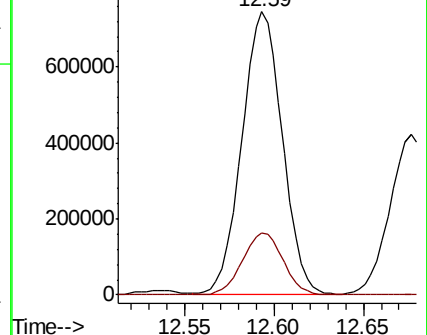
91 100

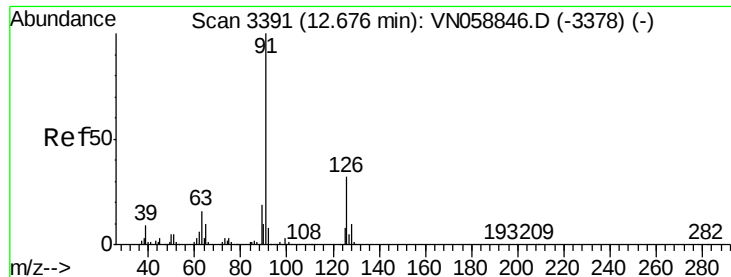
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





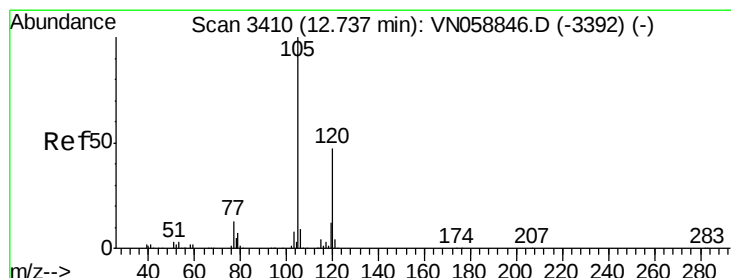
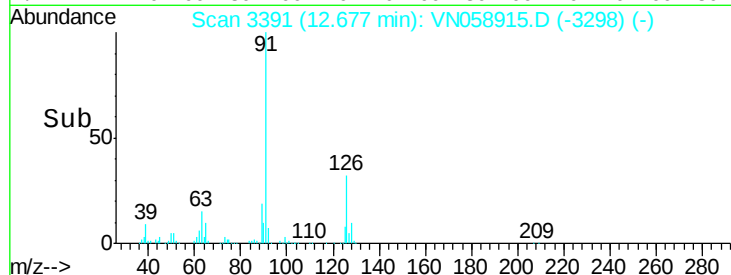
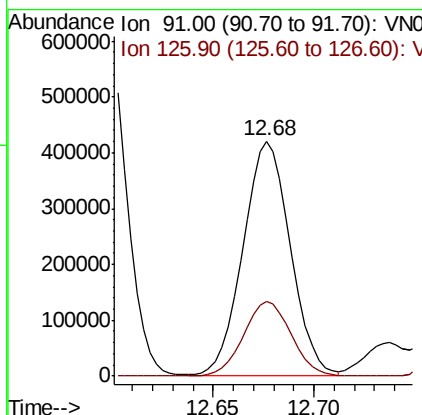
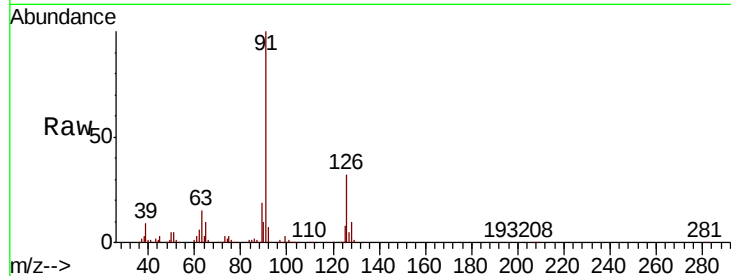
#79
2-Chlorotoluene
Concen: 51.751 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 687412
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.6

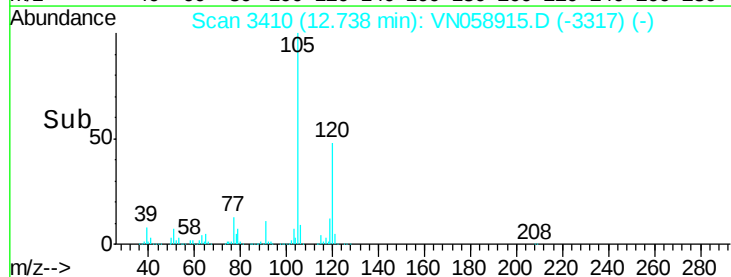
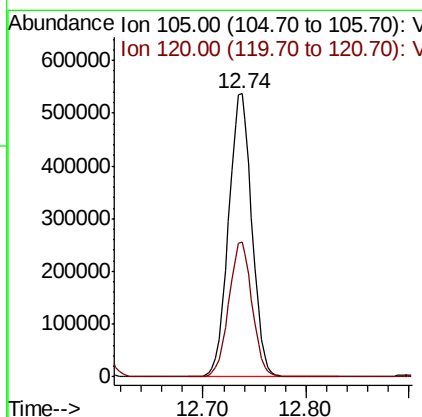
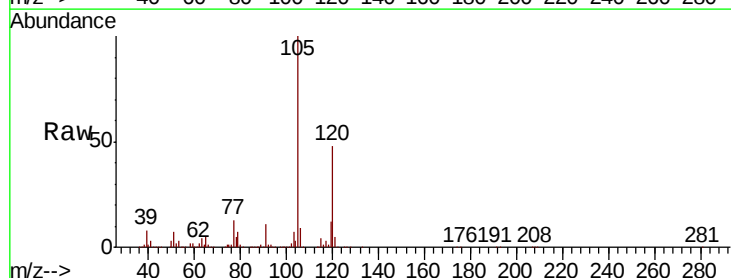
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#80
1,3,5-Trimethylbenzene
Concen: 54.701 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 105 Resp: 843824
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.5





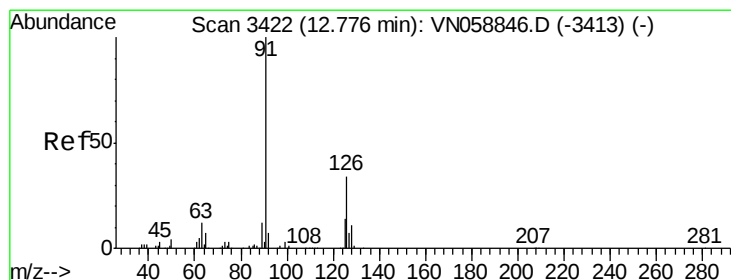
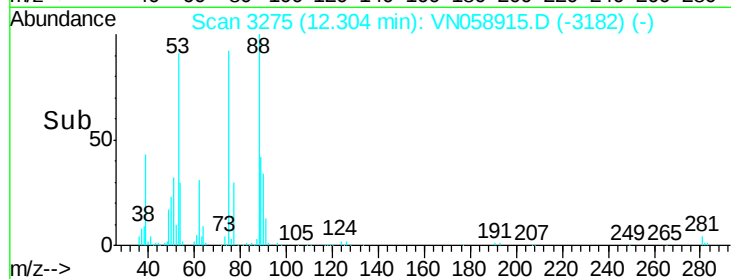
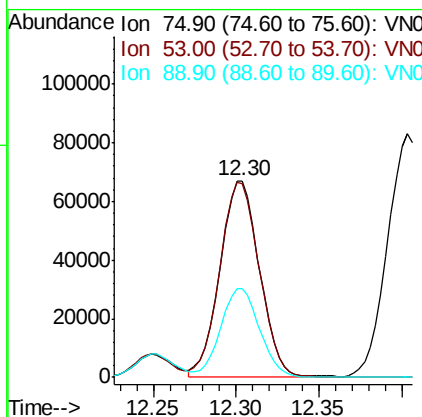
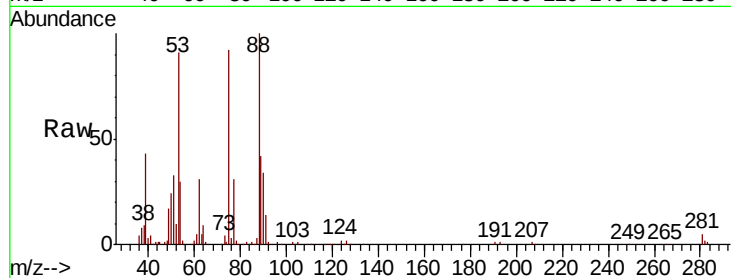
#81
trans-1,4-Dichloro-2-butene
Concen: 49.536 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.6	118.0
89	44.7	35.4	53.0

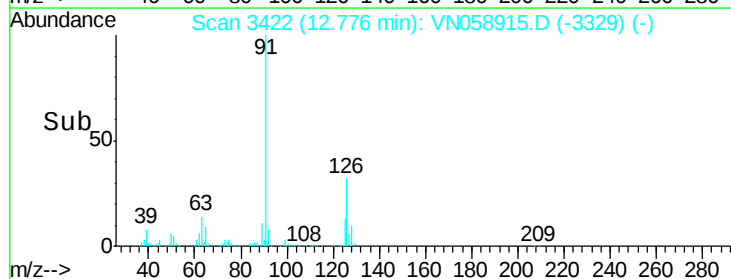
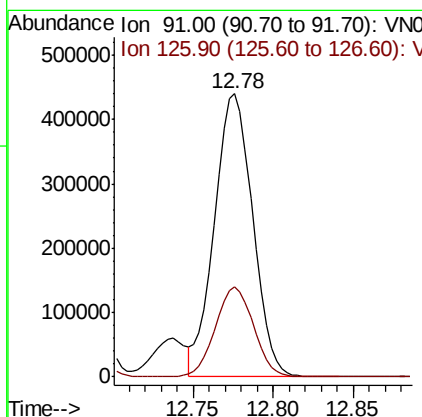
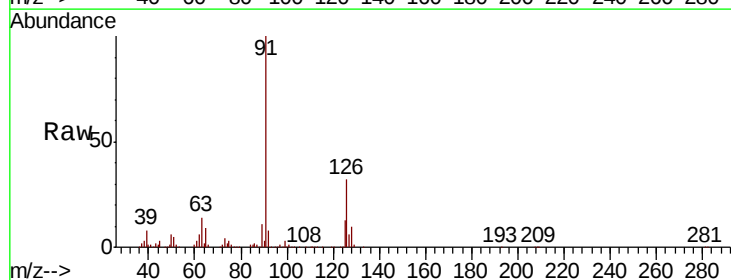
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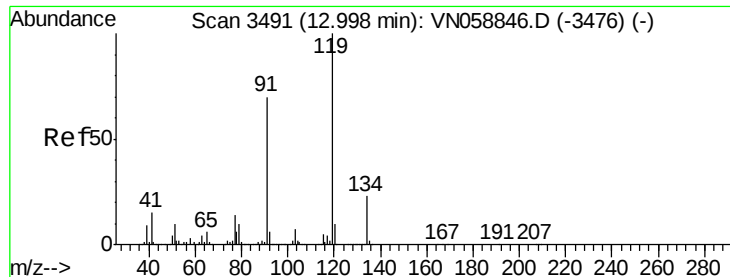
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#82
4-Chlorotoluene
Concen: 53.019 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	47.9





#83

tert-Butylbenzene

Concen: 52.997 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

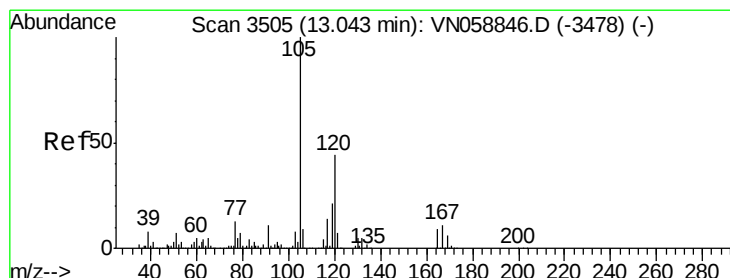
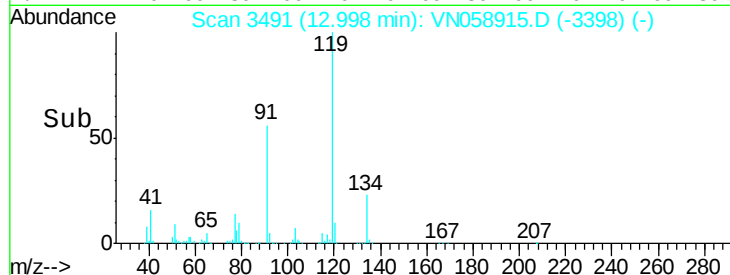
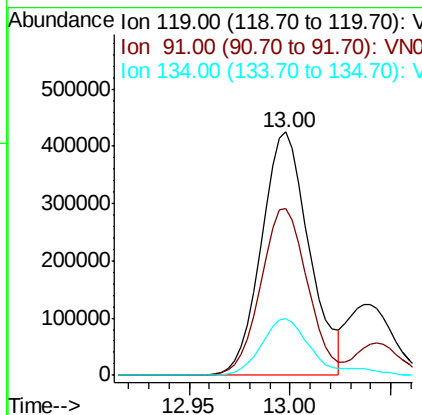
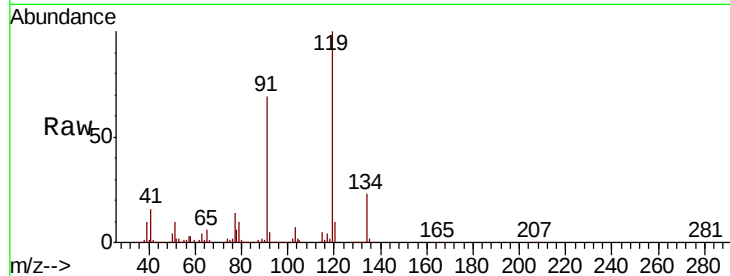
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	699099
Ion Ratio	Lower	Upper	
119	100		
91	67.8	34.1	102.3
134	25.0	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 56.211 ug/l

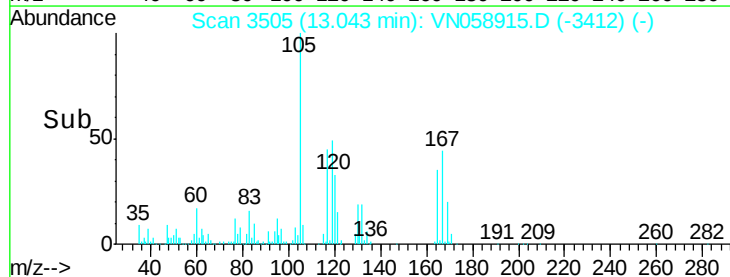
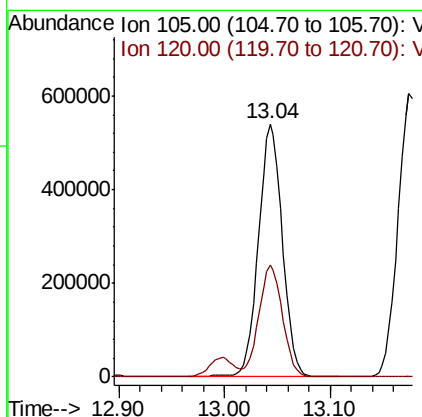
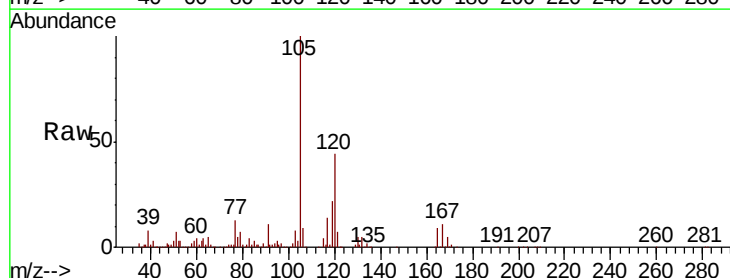
RT: 13.04 min Scan# 3505

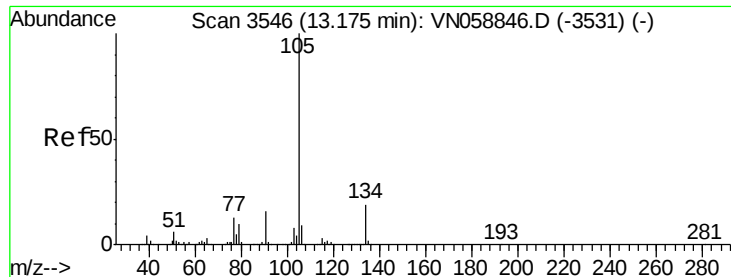
Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion:	105	Resp:	855273
Ion Ratio	Lower	Upper	
105	100		
120	44.0	21.9	65.8





#85

sec-Butylbenzene

Concen: 54.124 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 951902

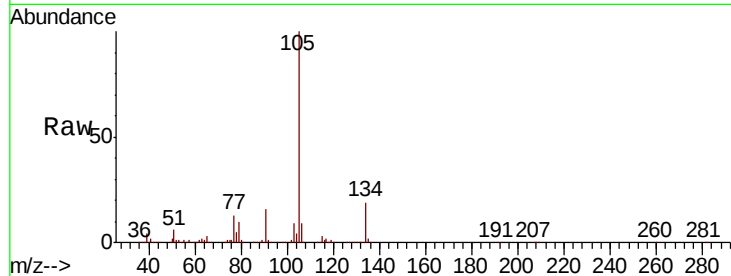
Ion Ratio Lower Upper

105 100

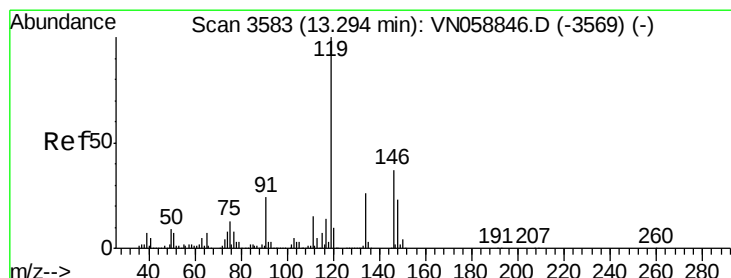
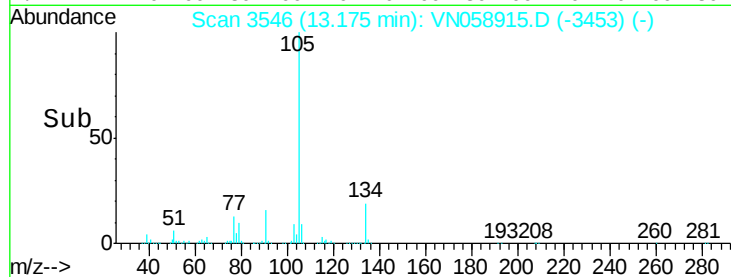
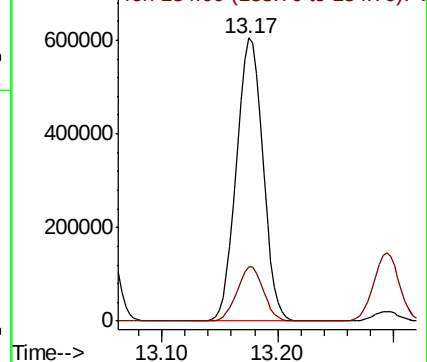
134 19.1 9.4 28.2

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.820 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

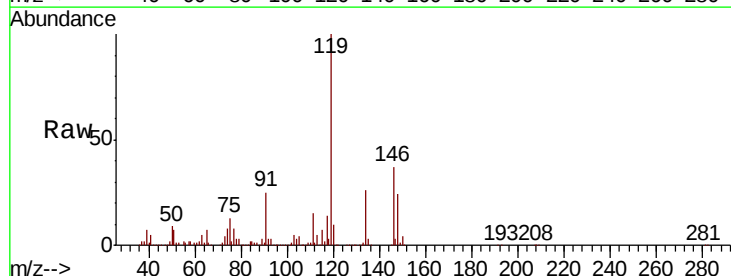
Tgt Ion:119 Resp: 866226

Ion Ratio Lower Upper

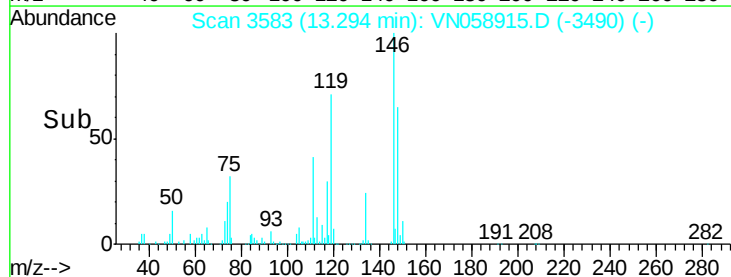
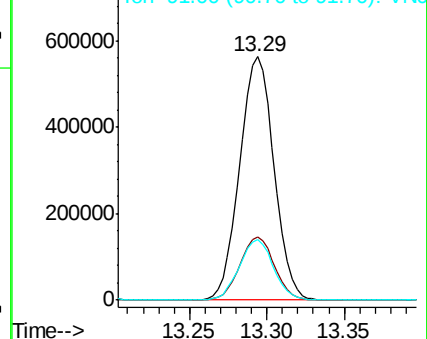
119 100

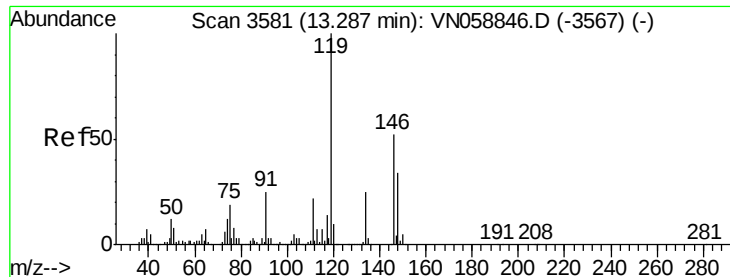
134 25.9 12.8 38.4

91 24.7 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





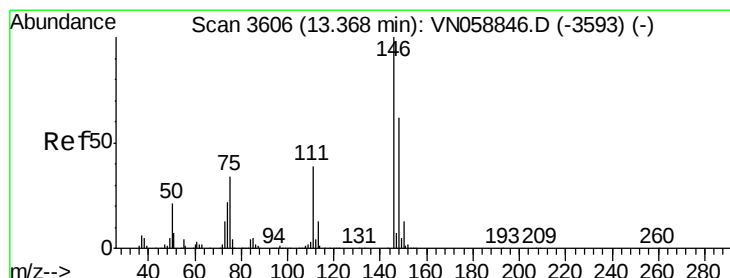
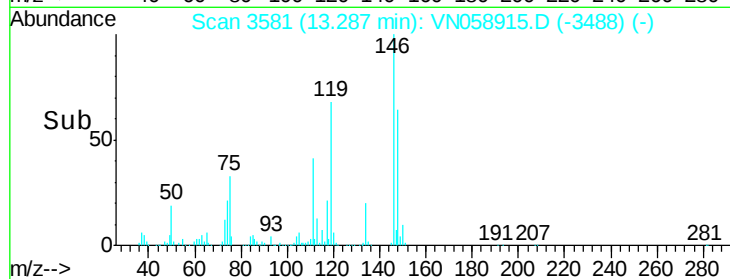
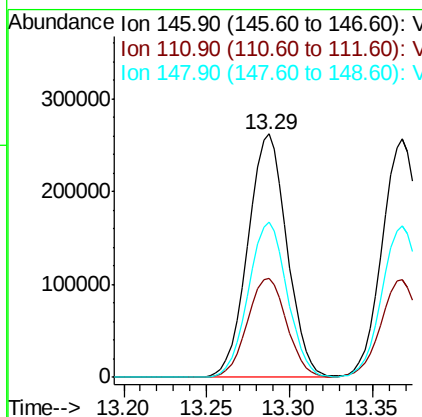
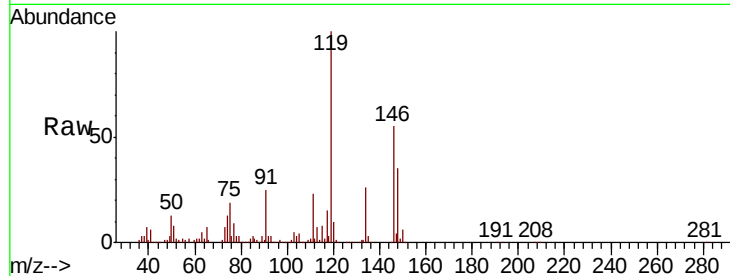
#87
 1,3-Dichlorobenzene
 Concen: 52.934 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	63.6	32.1	96.3

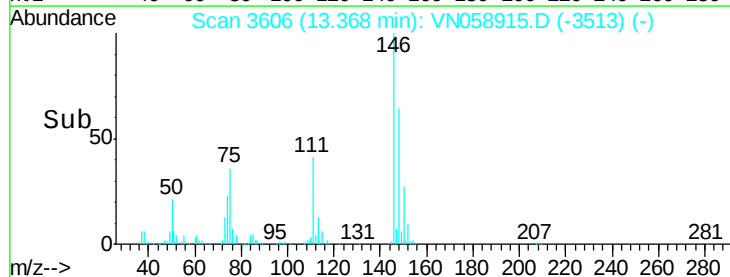
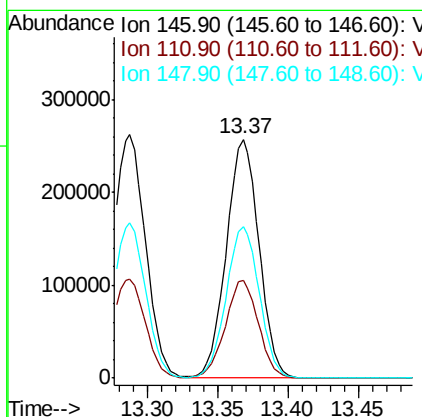
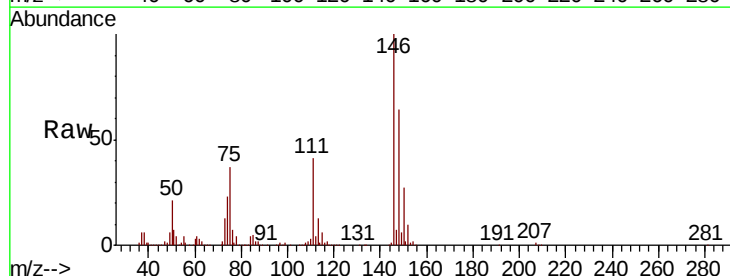
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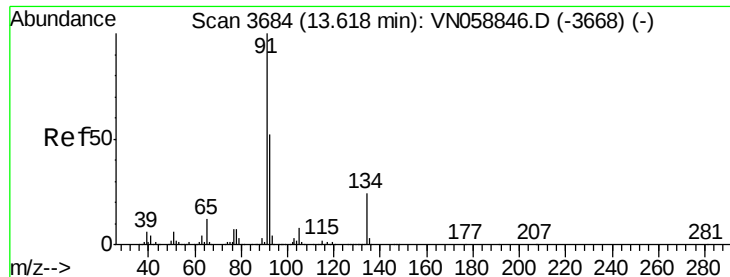
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#88
 1,4-Dichlorobenzene
 Concen: 51.322 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.2	60.6
148	64.4	31.6	94.7





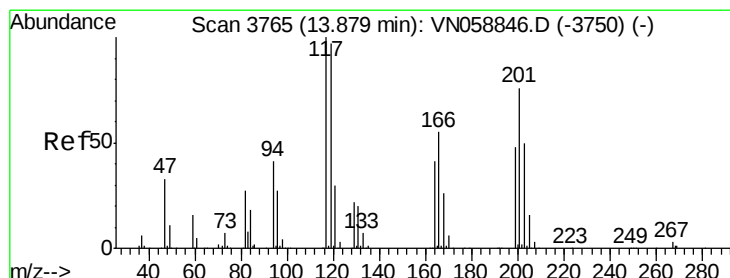
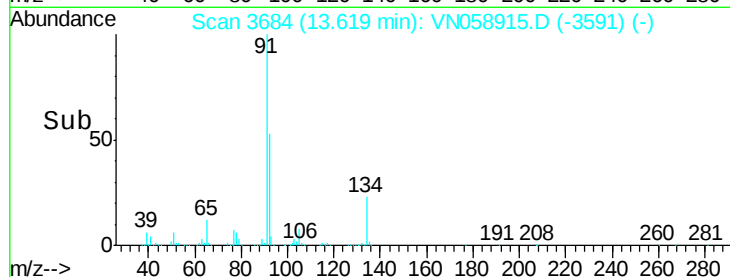
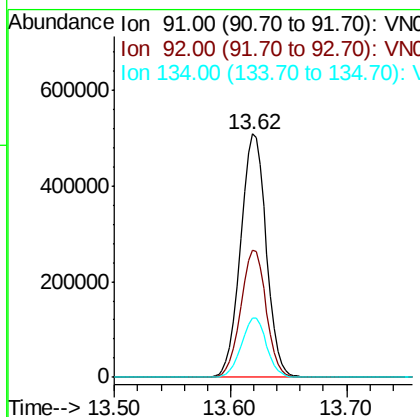
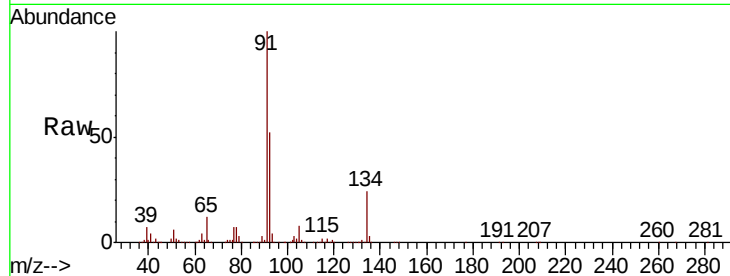
#89
n-Butylbenzene
Concen: 54.612 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.1
134	24.2	11.9	35.5

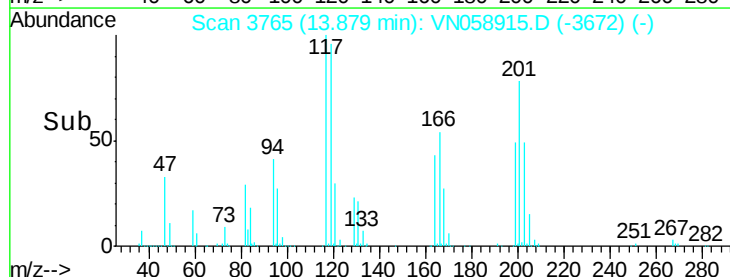
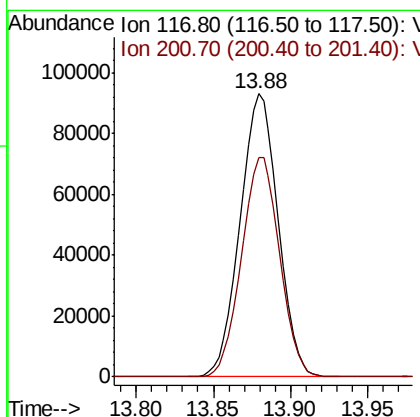
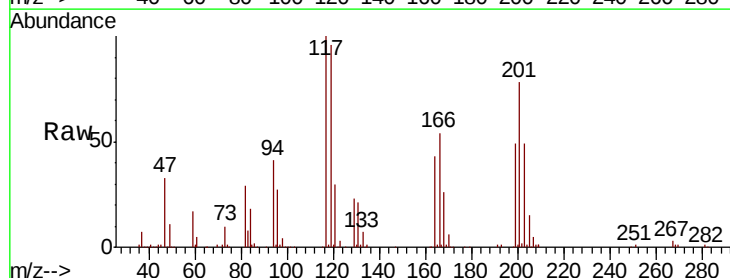
Manual Integrations
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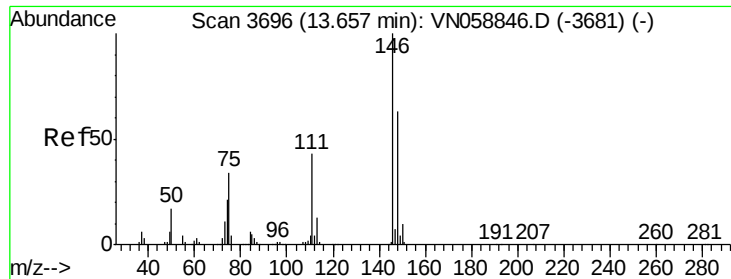
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#90
Hexachloroethane
Concen: 50.558 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.8	38.9	116.6





#91

1,2-Dichlorobenzene

Concen: 52.455 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

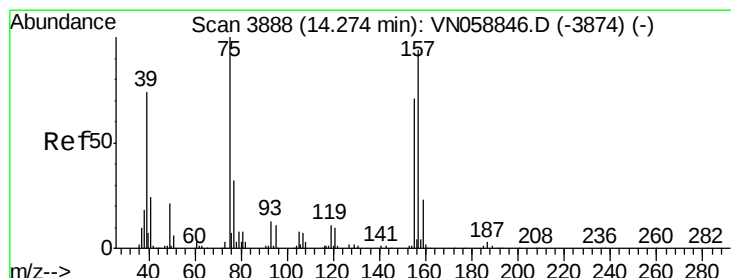
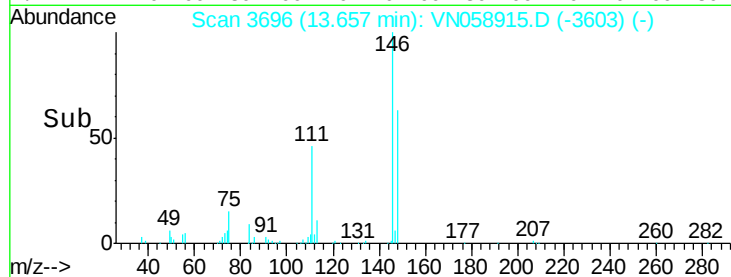
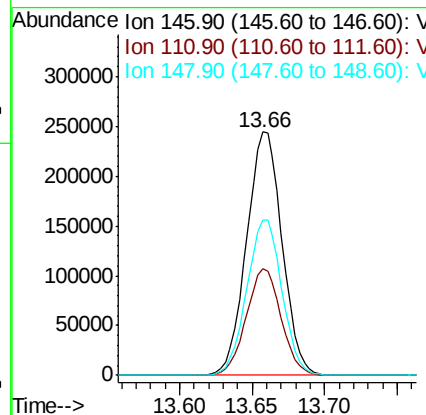
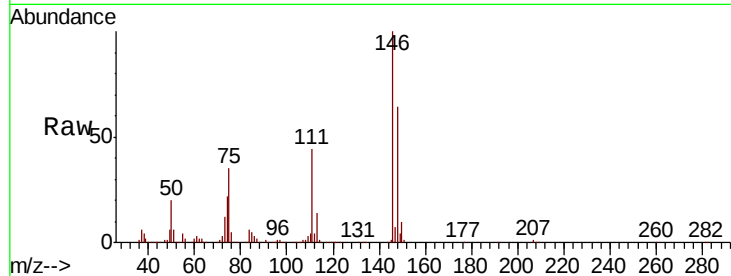
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	417198
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.6	64.8
148	63.5	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.347 ug/l

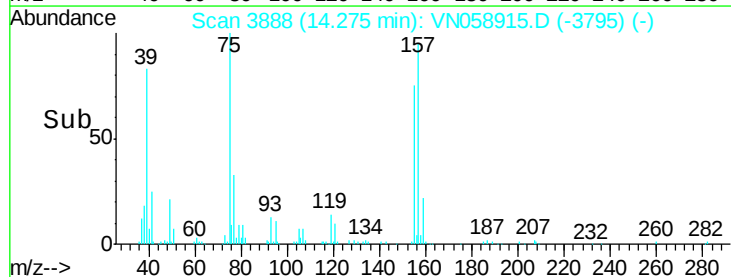
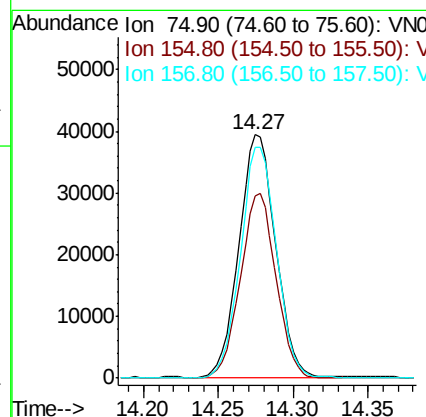
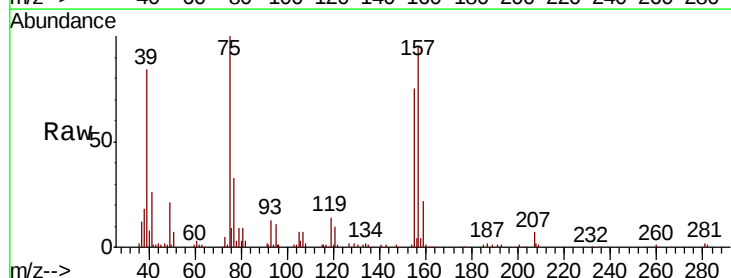
RT: 14.27 min Scan# 3888

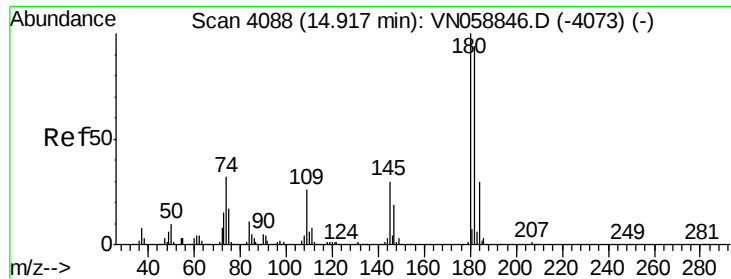
Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion:	75	Resp:	67676
Ion Ratio	Lower	Upper	
75	100		
155	73.3	35.6	106.8
157	92.8	47.4	142.2





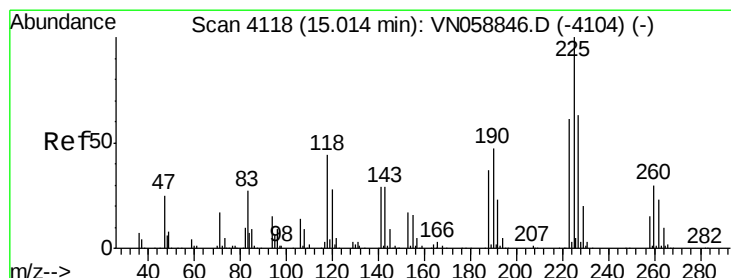
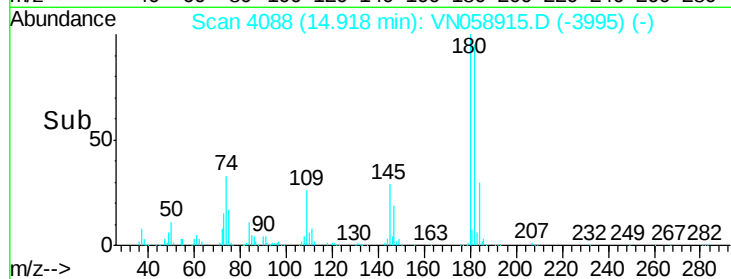
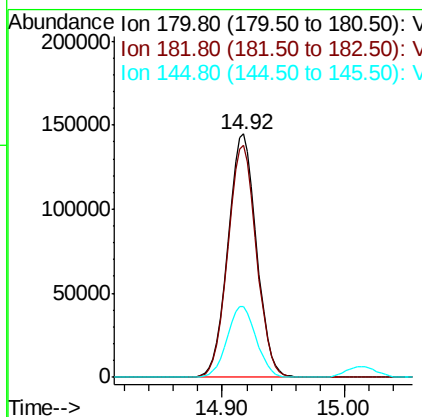
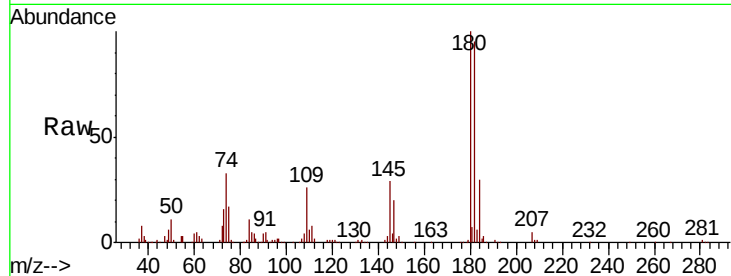
#93
 1,2,4-Trichlorobenzene
 Concen: 47.241 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	235795		
182	95.6	47.3	142.0	
145	29.8	15.3	45.8	

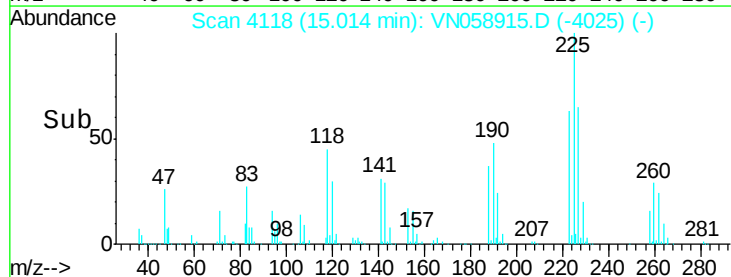
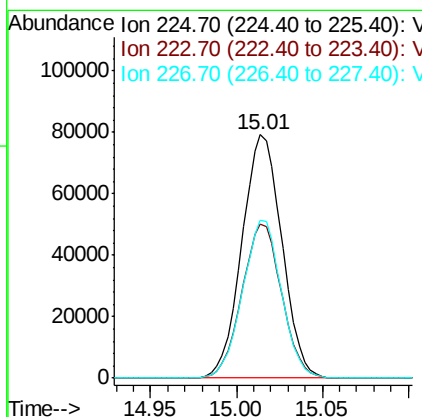
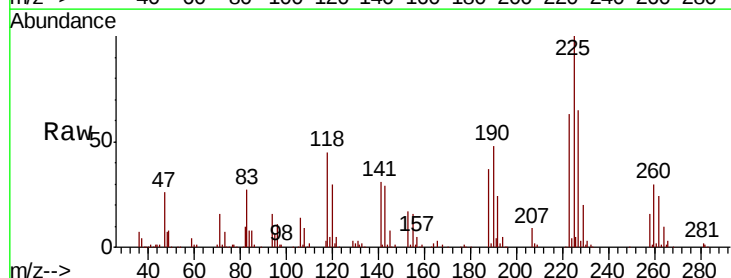
Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:44:36 PM



#94
 Hexachlorobutadiene
 Concen: 49.601 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127864		
223	63.0	30.9	92.5	
227	63.3	31.6	94.7	





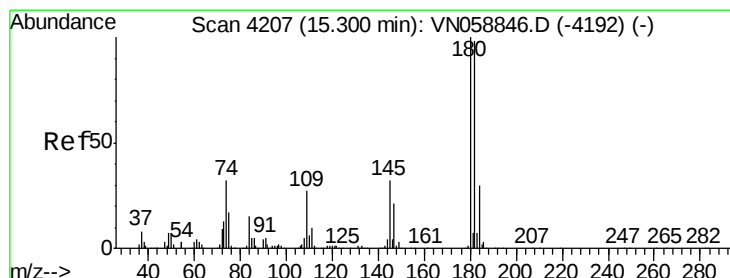
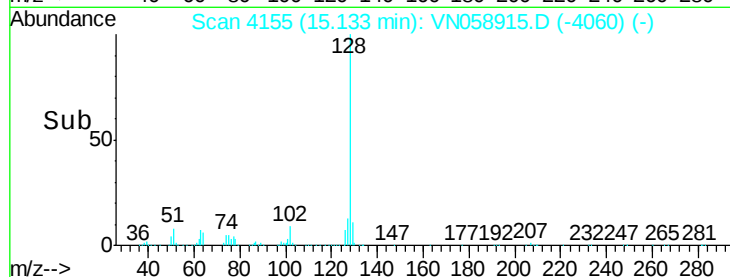
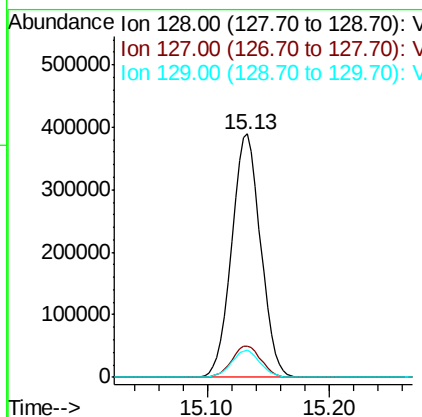
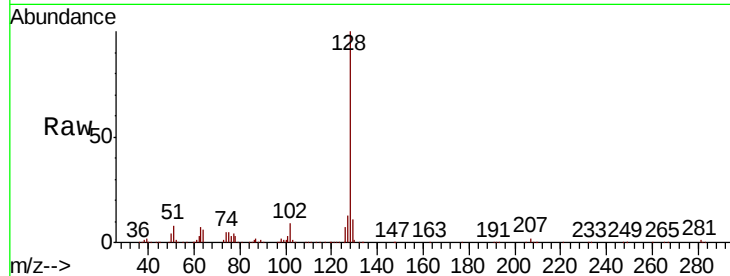
#95
Naphthalene
Concen: 44.875 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/25/2019 2:44:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.433 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	31.8	15.9	47.7

