

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059176.D
 Acq On : 12 Nov 2019 9:24
 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
 11/13/2019 12:07:55 PM

Quant Time: Nov 13 05:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	452909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	699501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	646100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	283846	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.56	113	221793	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.08	98	849205	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.40	95	316974	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	207755	45.528	ug/l	99
3) Chloromethane	2.04	50	276805	44.624	ug/l	100
4) Vinyl Chloride	2.17	62	281105	46.742	ug/l	100
5) Bromomethane	2.53	94	164586	47.557	ug/l	97
6) Chloroethane	2.68	64	169360	47.606	ug/l	98
7) Trichlorofluoromethane	2.99	101	346465	48.165	ug/l	98
8) Diethyl Ether	3.38	74	136102	46.565	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	205606	47.406	ug/l	99
10) Methyl Iodide	3.92	142	255037	47.506	ug/l	99
11) Tert butyl alcohol	4.75	59	243849	229.823	ug/l	99
12) 1,1-Dichloroethene	3.71	96	193405	45.777	ug/l	97
13) Acrolein	3.58	56	140790	257.365	ug/l	100
14) Allyl chloride	4.29	41	398873	45.961	ug/l	99
15) Acrylonitrile	4.95	53	648798	245.707	ug/l	99
16) Acetone	3.79	43	804123	277.747	ug/l	99
17) Carbon Disulfide	4.02	76	555916	42.387	ug/l	100
18) Methyl Acetate	4.29	43	338896	49.316	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	716779	49.277	ug/l	99
20) Methylene Chloride	4.52	84	235543	46.699	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	216118	47.655	ug/l	98
22) Diisopropyl ether	5.92	45	819650	50.001	ug/l	99
23) Vinyl Acetate	5.86	43	3370764	265.320	ug/l	100
24) 1,1-Dichloroethane	5.82	63	443259	48.414	ug/l	99
25) 2-Butanone	6.81	43	990300	259.536	ug/l	99
26) 2,2-Dichloropropane	6.80	77	381705	47.678	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	254421	48.356	ug/l	100
28) Bromochloromethane	7.17	49	137524	49.926	ug/l	99
29) Tetrahydrofuran	7.18	42	596096	245.867	ug/l	100
30) Chloroform	7.35	83	430136	48.975	ug/l	100
31) Cyclohexane	7.63	56	380044	43.847	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	365415	49.487	ug/l	99
36) 1,1-Dichloropropene	7.77	75	320924	49.084	ug/l	100
37) Ethyl Acetate	6.90	43	363023	49.909	ug/l	100
38) Carbon Tetrachloride	7.75	117	320888	49.309	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	370490	48.824	ug/l	99
40) Benzene	8.02	78	978150	49.680	ug/l	100
41) Methacrylonitrile	7.15	41	152856m	48.328	ug/l	
42) 1,2-Dichloroethane	8.10	62	343830	50.916	ug/l	99
43) Isopropyl Acetate	8.14	43	573775	49.480	ug/l	99
44) Trichloroethene	8.81	130	237798	49.133	ug/l	99
45) 1,2-Dichloropropane	9.10	63	267034	49.932	ug/l	99
46) Dibromomethane	9.19	93	164781	49.446	ug/l	99
47) Bromodichloromethane	9.39	83	342124	51.412	ug/l	95
48) Methyl methacrylate	9.18	41	263876	50.874	ug/l	99
49) 1,4-Dioxane	9.18	88	96996	1052.263	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1828234	278.638	ug/l	99
52) Toluene	10.14	92	597413	50.624	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	389039	50.602	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	420701	50.871	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	240453	50.346	ug/l	99
56) Ethyl methacrylate	10.42	69	377583	47.498	ug/l	99
57) 1,3-Dichloropropane	10.70	76	421481	51.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	661900	249.025	ug/l	100
59) 2-Hexanone	10.74	43	1429734	283.896	ug/l	99
60) Dibromochloromethane	10.90	129	265576	52.593	ug/l	100
61) 1,2-Dibromoethane	11.00	107	245603	50.799	ug/l	99
64) Tetrachloroethene	10.62	164	209785	47.750	ug/l	99
65) Chlorobenzene	11.43	112	628986	49.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	239317	50.653	ug/l	98
67) Ethyl Benzene	11.51	91	1152346	51.567	ug/l	98
68) m/p-Xylenes	11.62	106	859277	102.653	ug/l	100
69) o-Xylene	11.94	106	412418	50.982	ug/l	98
70) Styrene	11.96	104	686526	53.962	ug/l	100
71) Bromoform	12.12	173	192598	52.407	ug/l #	99
73) Isopropylbenzene	12.25	105	1117447	48.515	ug/l	99
74) N-amyl acetate	12.07	43	495359	50.754	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	377766	48.161	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	345475m	47.923	ug/l	
77) Bromobenzene	12.53	156	271484	46.914	ug/l	99
78) n-propylbenzene	12.59	91	1328306	50.366	ug/l	100
79) 2-Chlorotoluene	12.67	91	787222	48.117	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	959894	49.182	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	134117	49.139	ug/l	100
82) 4-Chlorotoluene	12.77	91	806534	49.151	ug/l	100
83) tert-Butylbenzene	12.99	119	818623	48.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	952763	50.457	ug/l	100
85) sec-Butylbenzene	13.17	105	1091731	49.805	ug/l	99
86) p-Isopropyltoluene	13.29	119	999263	51.629	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	489072	49.354	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	485455	48.963	ug/l	99
89) n-Butylbenzene	13.62	91	871261	51.432	ug/l	100
90) Hexachloroethane	13.88	117	186146	47.896	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	478151	49.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74061	47.327	ug/l	99

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QLast Update : Thu Nov 07 04:00:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	271419	46.142	ug/l	100
94) Hexachlorobutadiene	15.01	225	165438	49.220	ug/l	99
95) Naphthalene	15.13	128	734801	45.099	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	273165	50.003	ug/l	99

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

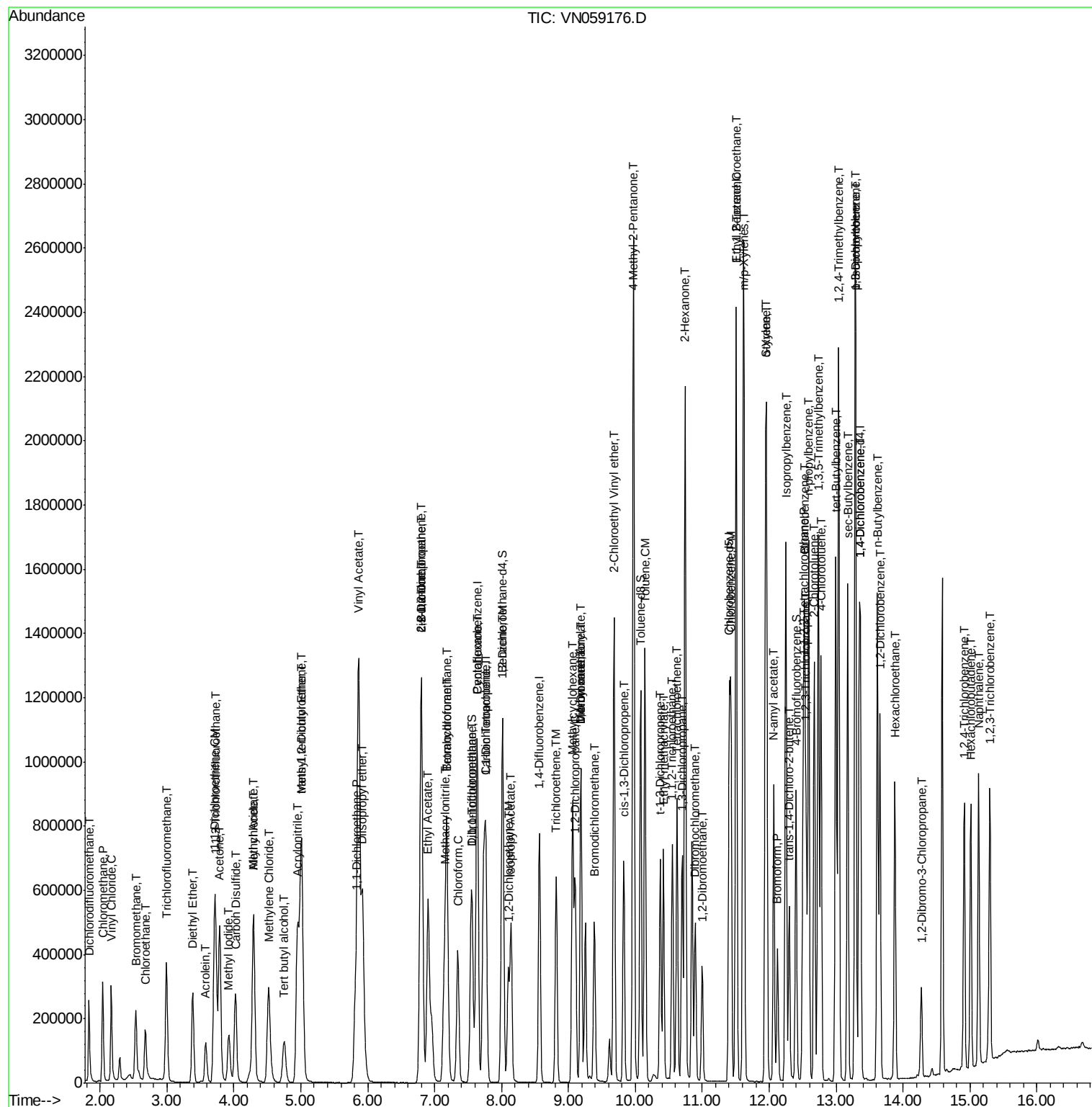
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 452909

Ion Ratio Lower Upper

168 100

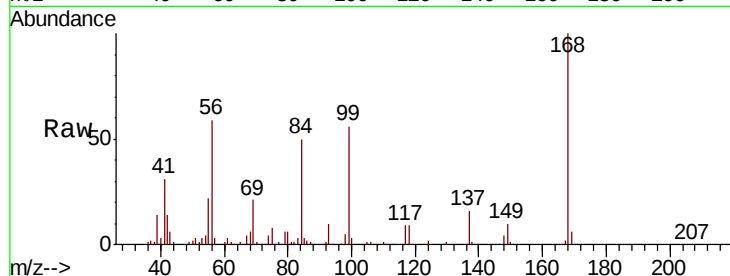
99 56.3 45.7 68.5

Manual Integrations

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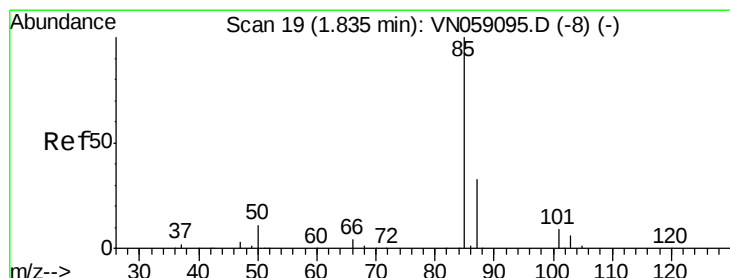
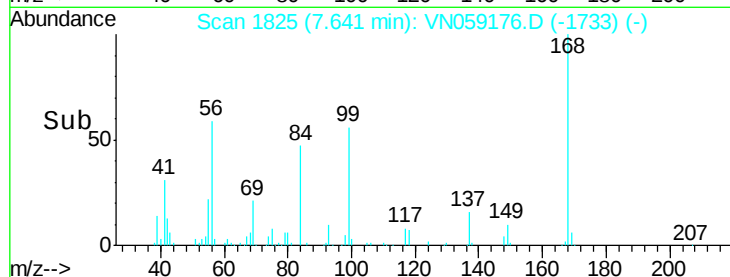
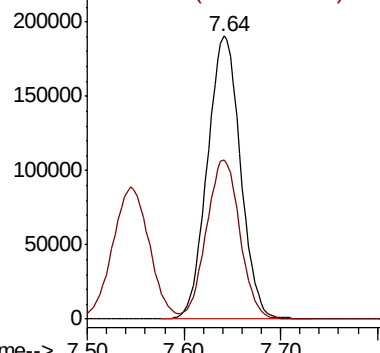
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.528 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059176.D

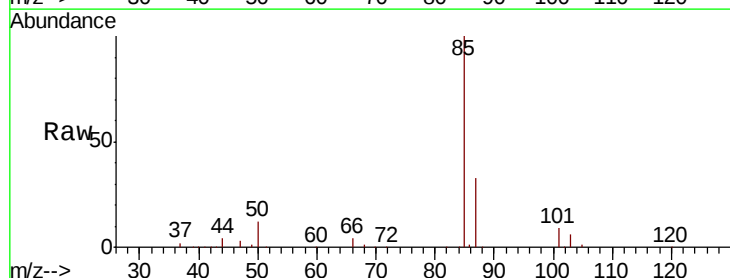
Acq: 12 Nov 2019 9:24

Tgt Ion: 85 Resp: 207755

Ion Ratio Lower Upper

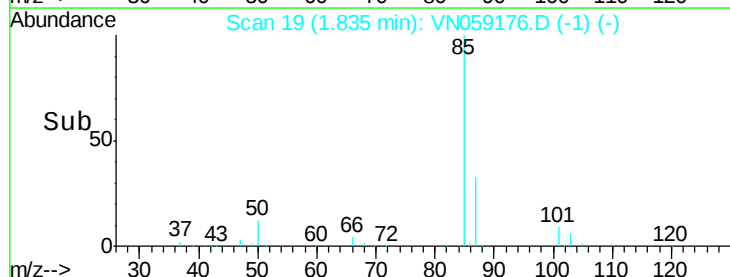
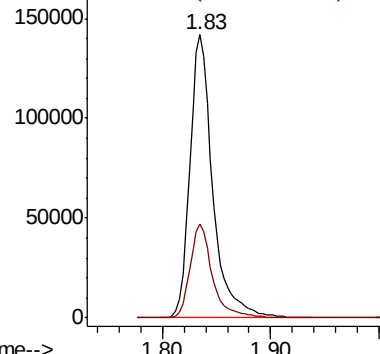
85 100

87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.624 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 276805

Ion Ratio Lower Upper

50 100

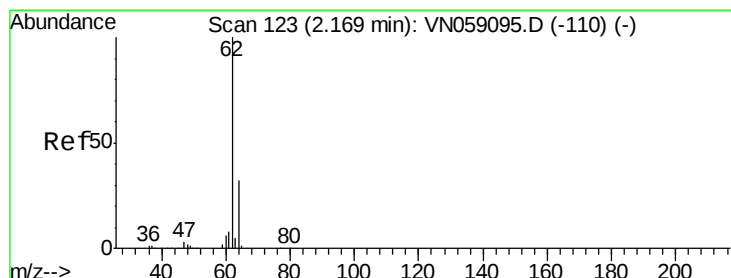
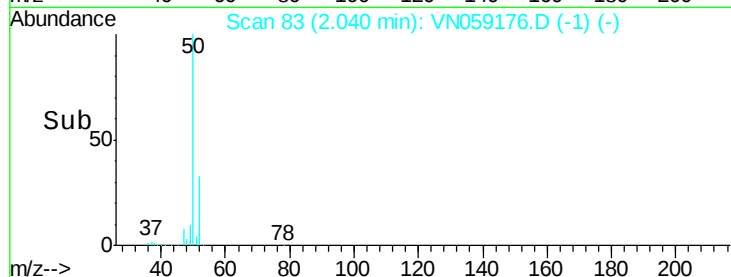
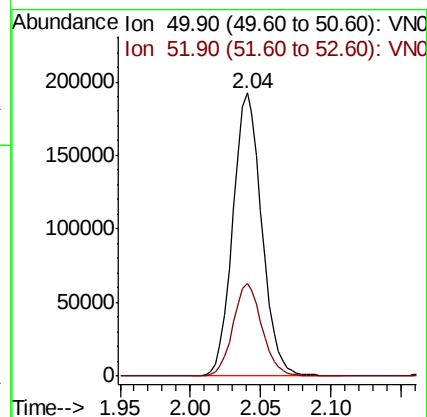
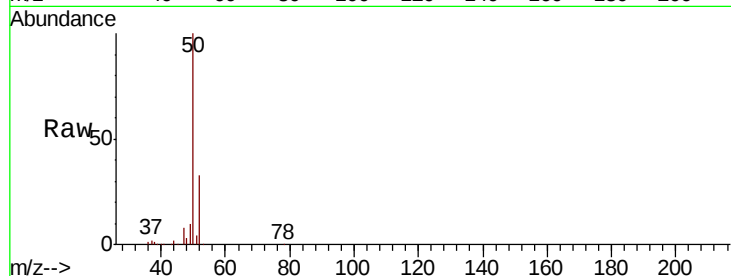
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.742 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059176.D

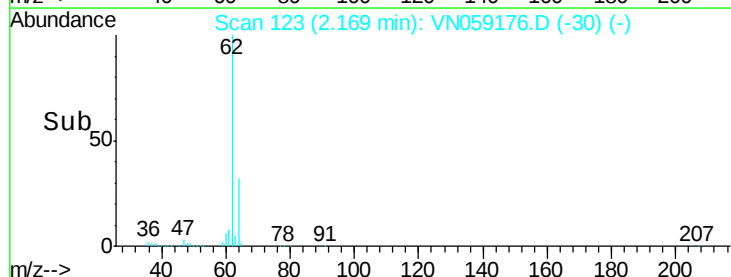
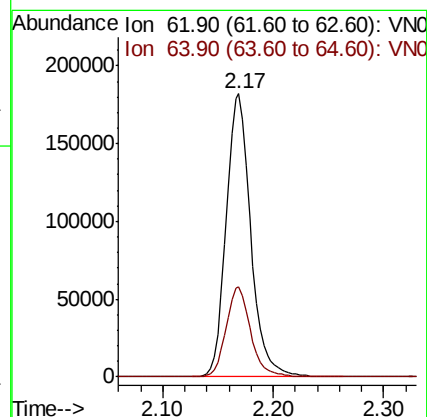
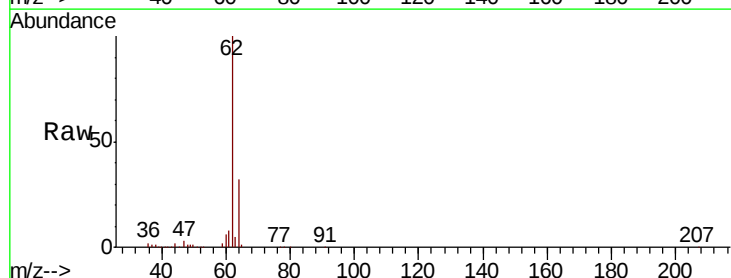
Acq: 12 Nov 2019 9:24

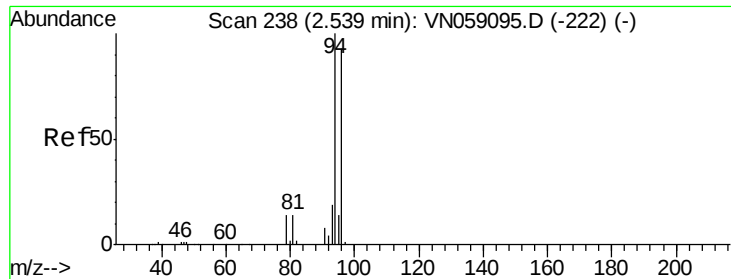
Tgt Ion: 62 Resp: 281105

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 47.557 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 164586

Ion Ratio Lower Upper

94 100

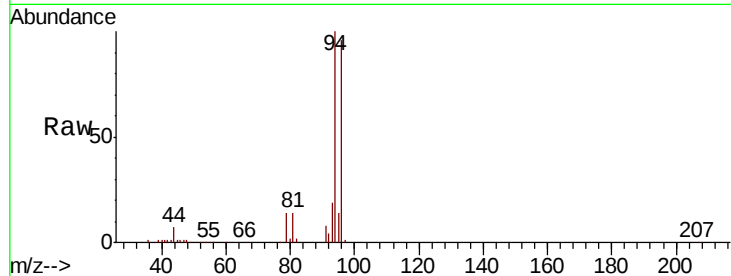
96 96.0 74.2 111.2

Manual Integrations

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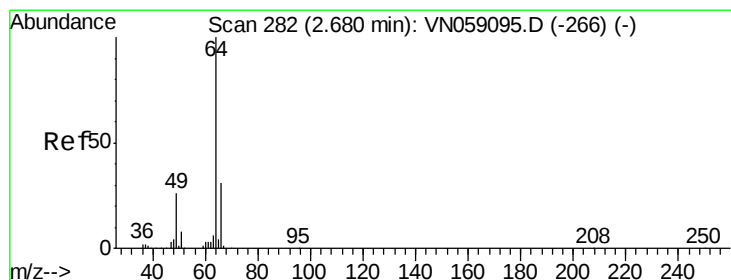
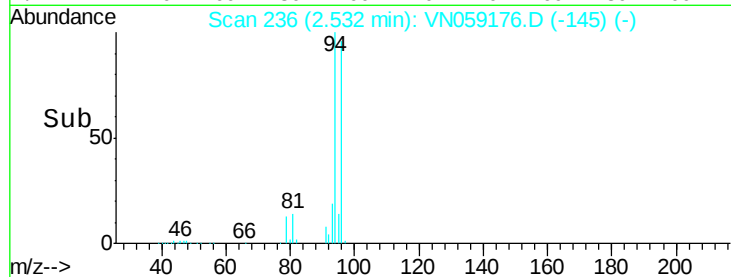
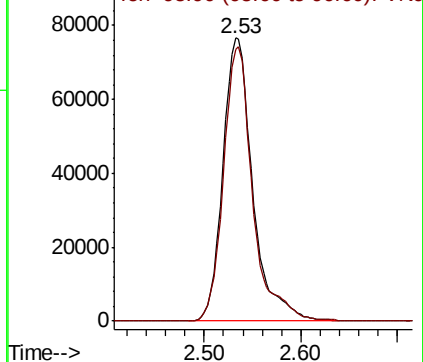
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.606 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059176.D

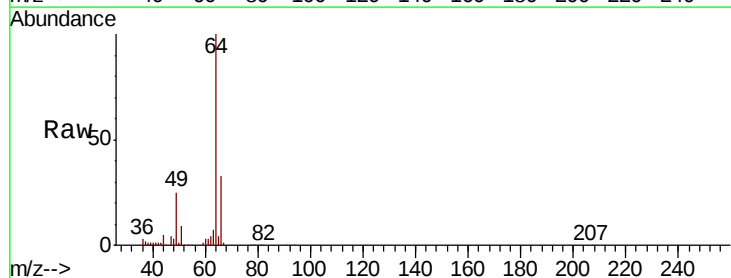
Acq: 12 Nov 2019 9:24

Tgt Ion: 64 Resp: 169360

Ion Ratio Lower Upper

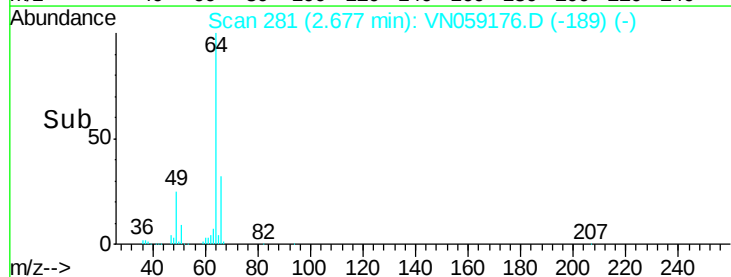
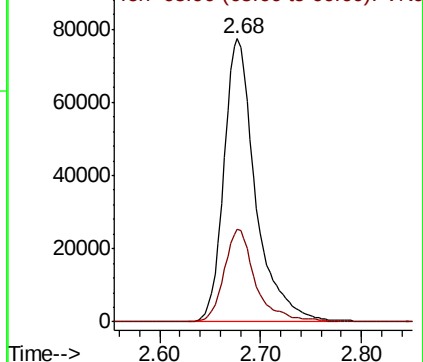
64 100

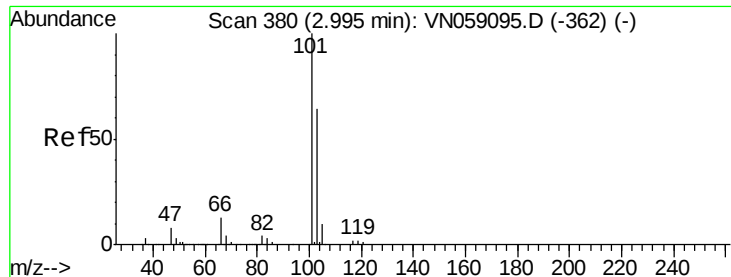
66 32.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

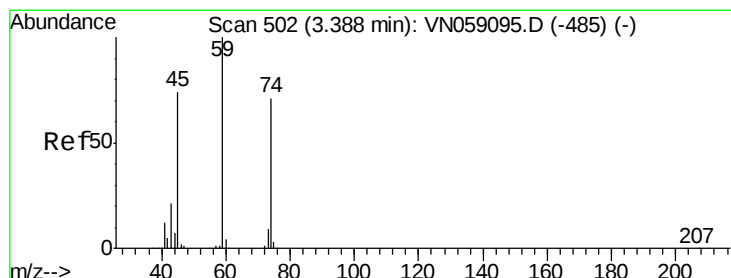
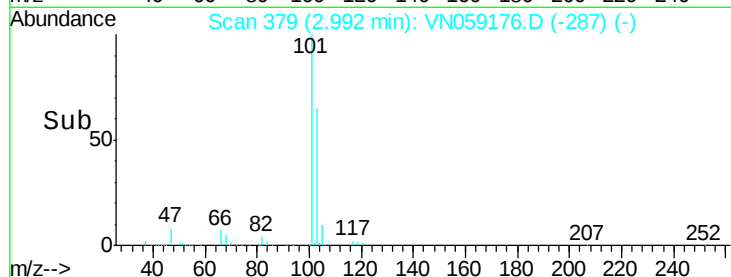
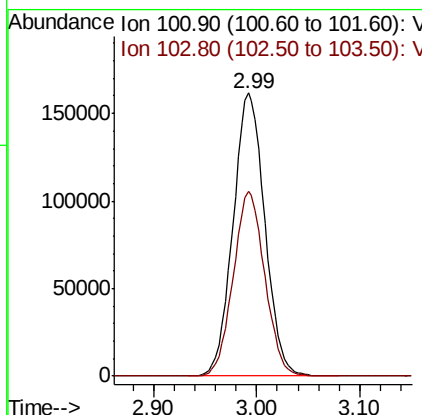
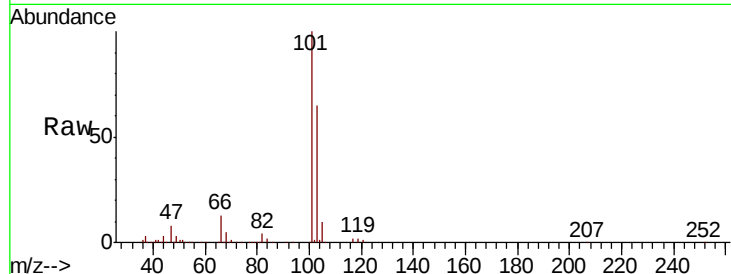
Trichlorofluoromethane
 Concen: 48.165 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	346465		
103	65.4	51.2	76.8	

Manual Integrations
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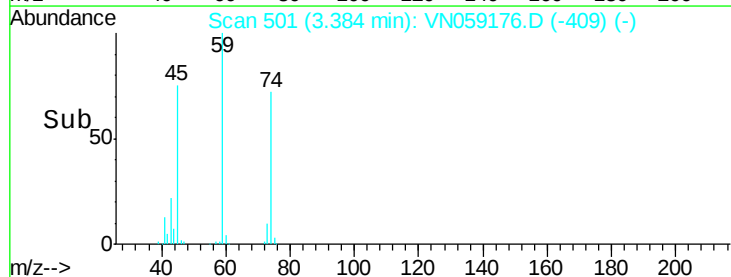
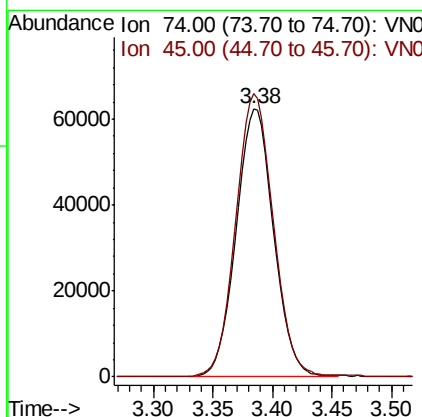
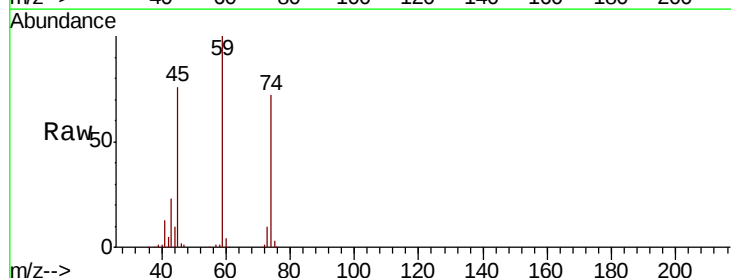
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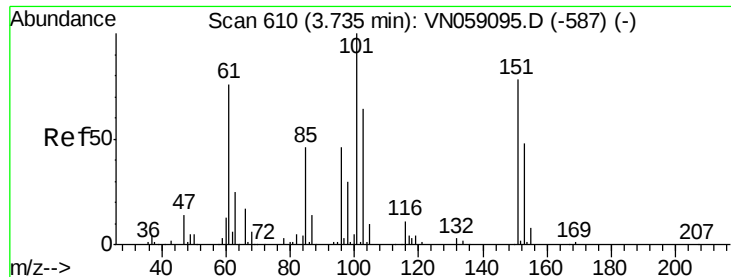


#8

Diethyl Ether
 Concen: 46.565 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	136102		
45	105.9	51.6	154.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.406 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

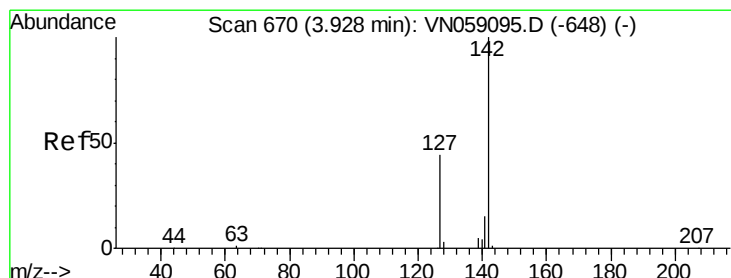
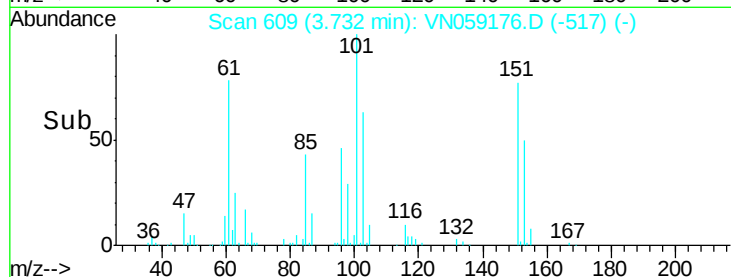
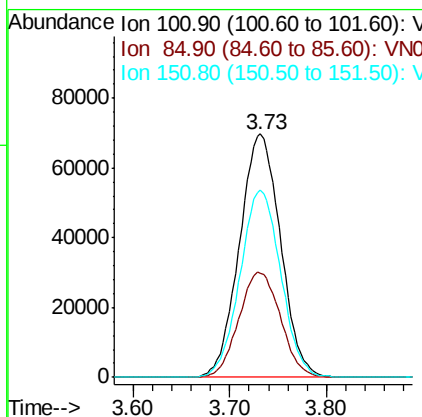
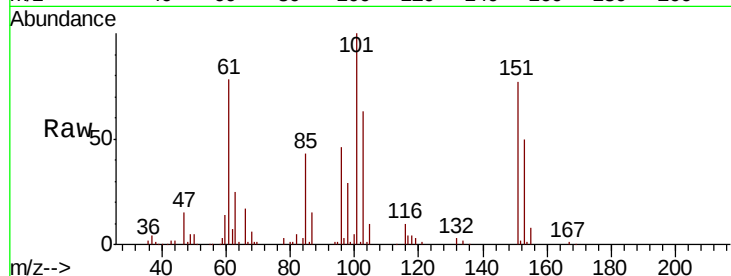
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	205606
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	76.5	62.2	93.2

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#10

Methyl Iodide

Concen: 47.506 ug/l

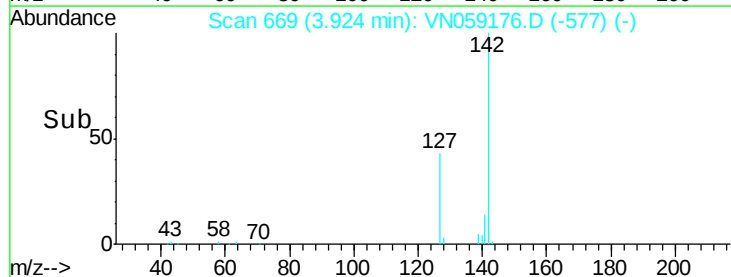
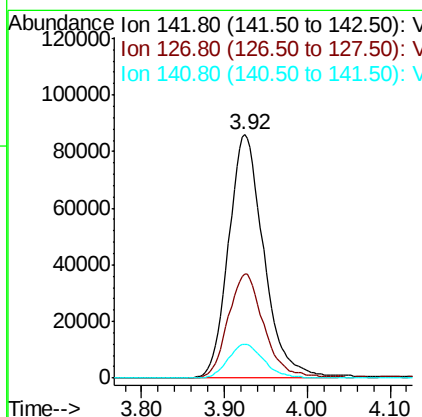
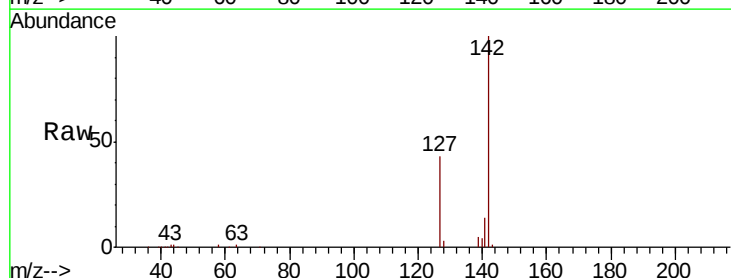
RT: 3.92 min Scan# 669

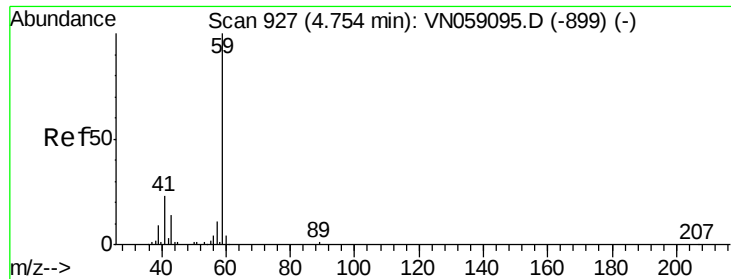
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion:	142	Resp:	255037
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.2	51.2
141	14.2	11.4	17.0





#11

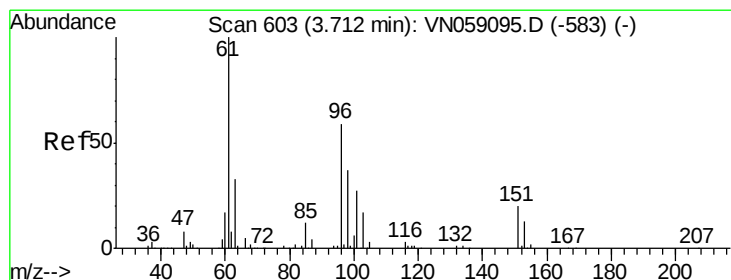
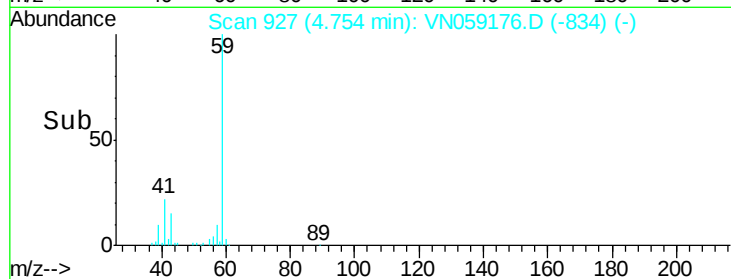
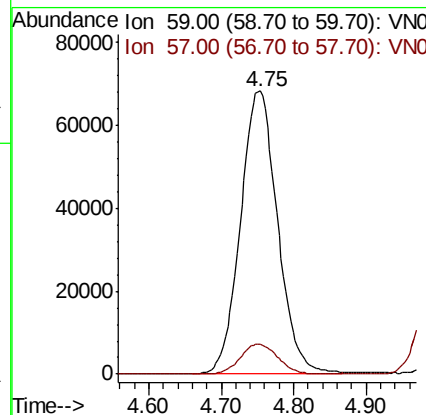
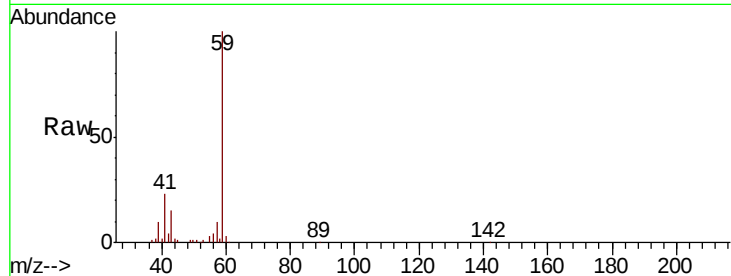
Tert butyl alcohol
Concen: 229.823 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	243849
Ion Ratio	100	Lower	Upper
57	10.7	8.3	12.5

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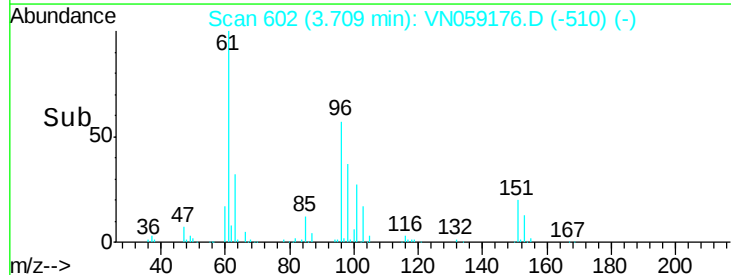
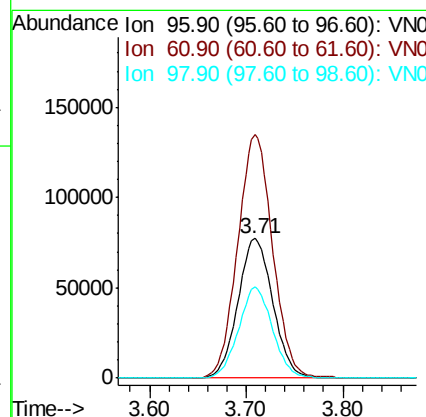
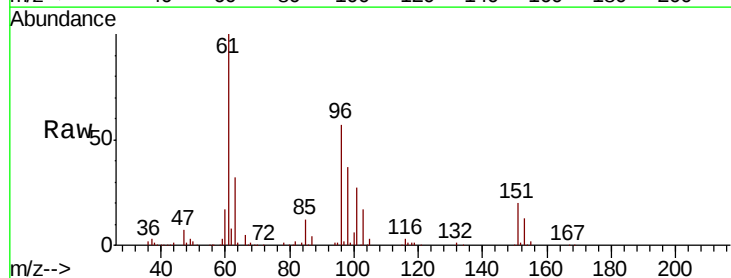
MMDadoda
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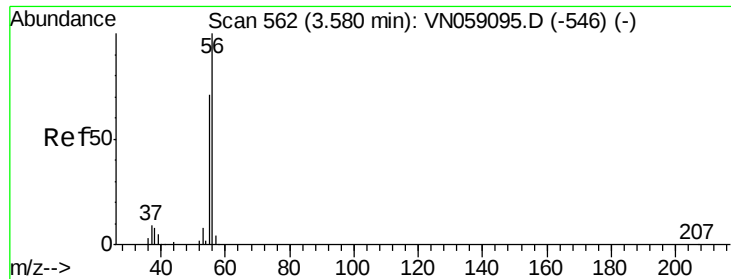


#12

1,1-Dichloroethene
Concen: 45.777 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	96	Resp	193405
Ion Ratio	100	Lower	Upper
61	174.7	136.5	204.7
98	65.2	50.2	75.4





#13

Acrolein

Concen: 257.365 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 140790

Ion Ratio Lower Upper

56 100

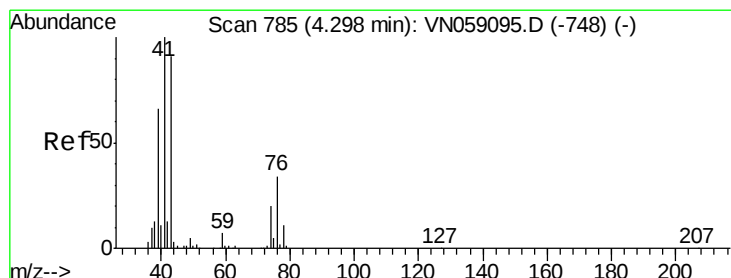
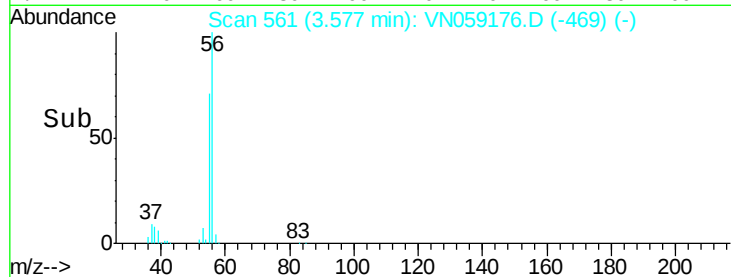
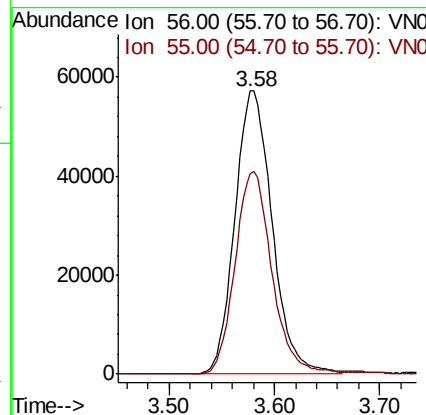
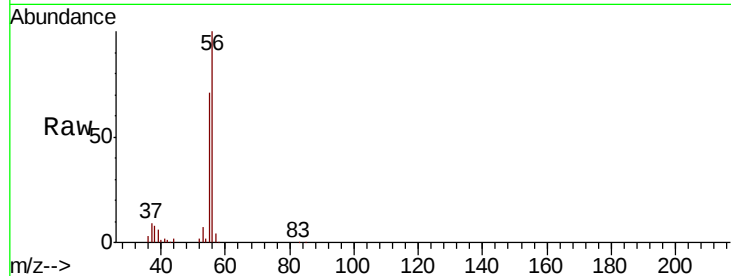
55 70.5 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.961 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

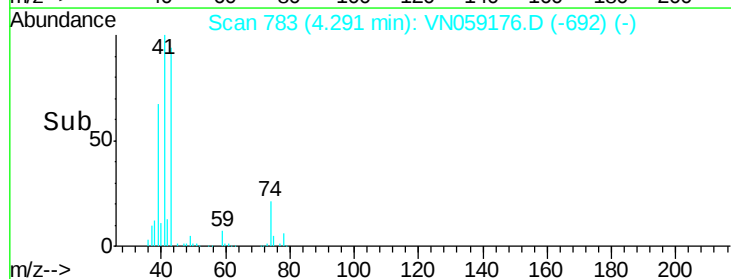
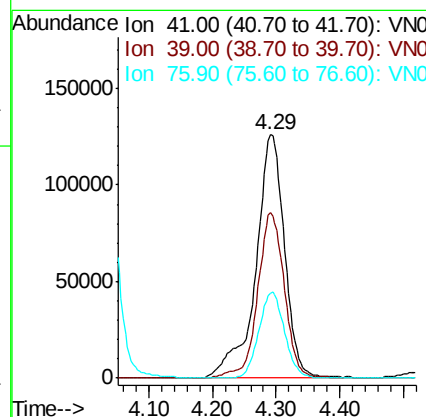
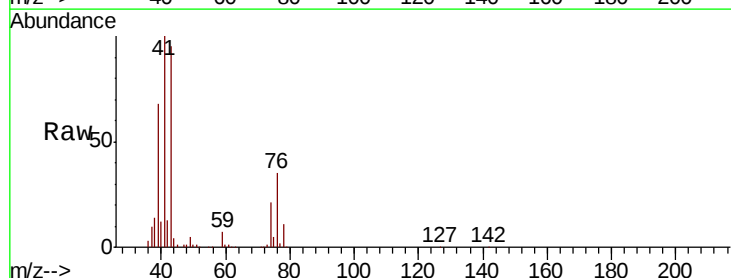
Tgt Ion: 41 Resp: 398873

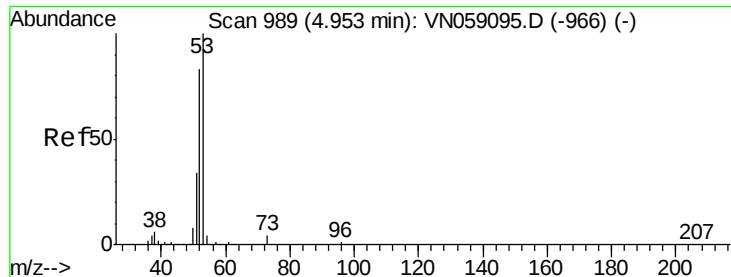
Ion Ratio Lower Upper

41 100

39 62.5 49.1 73.7

76 31.4 24.9 37.3





#15

Acrylonitrile

Concen: 245.707 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

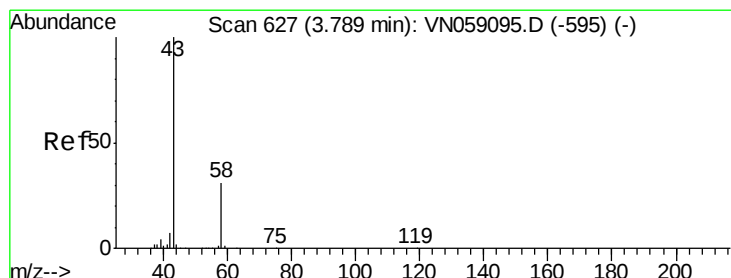
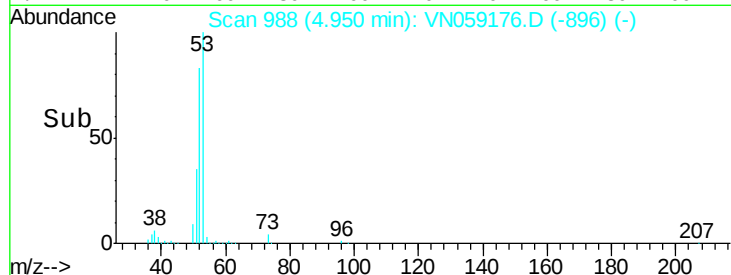
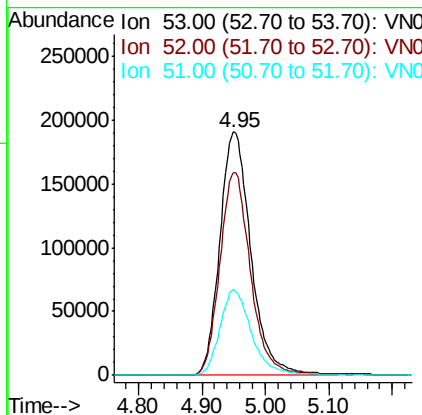
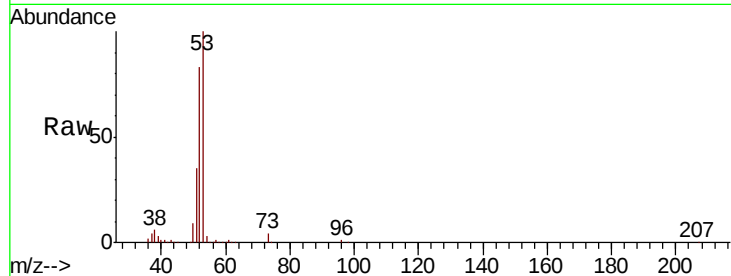
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	648798
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.0	97.6
51	35.7	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 277.747 ug/l

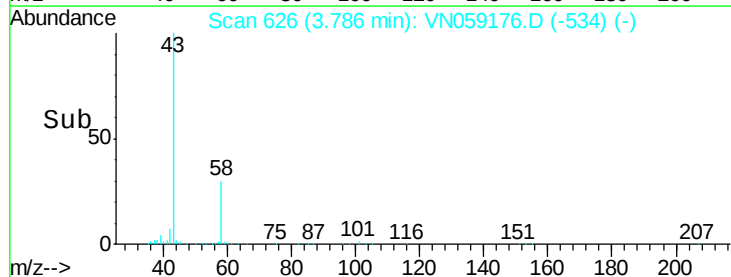
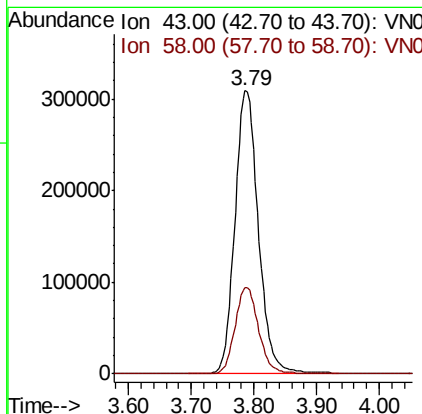
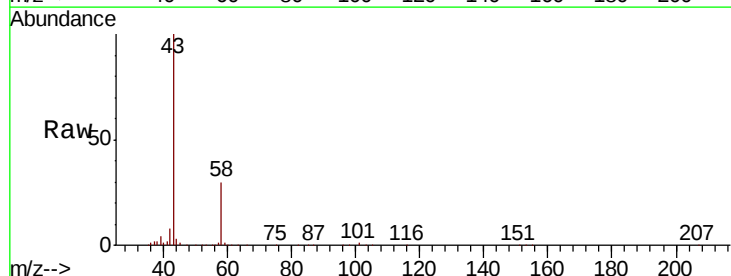
RT: 3.79 min Scan# 626

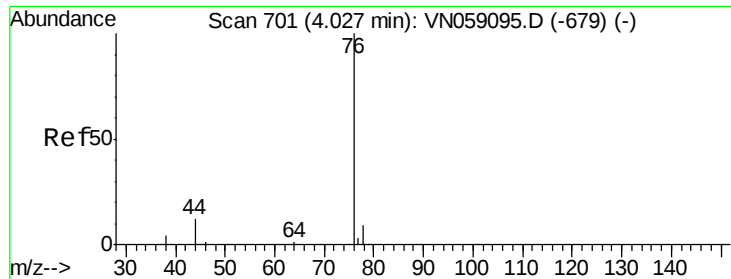
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion:	43	Resp:	804123
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.9	37.3





#17

Carbon Disulfide

Concen: 42.387 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 555916

Ion Ratio Lower Upper

76 100

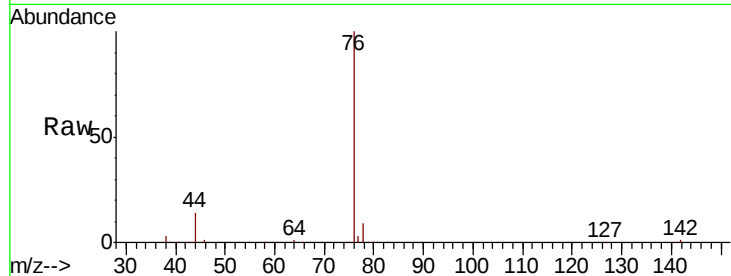
78 9.4 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN059176.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059176.D (-608) (-)

4.02

200000

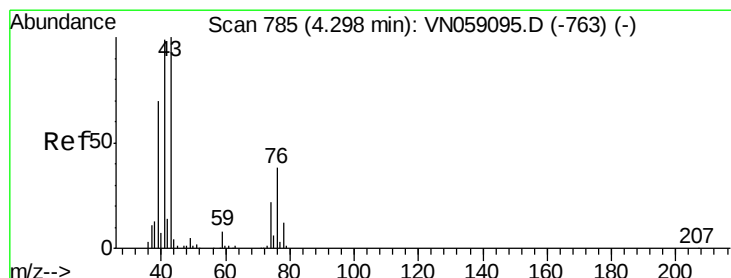
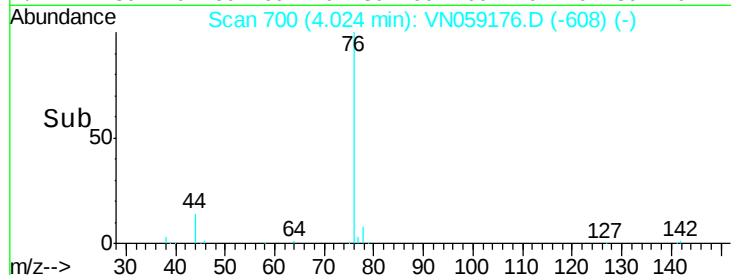
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.316 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059176.D

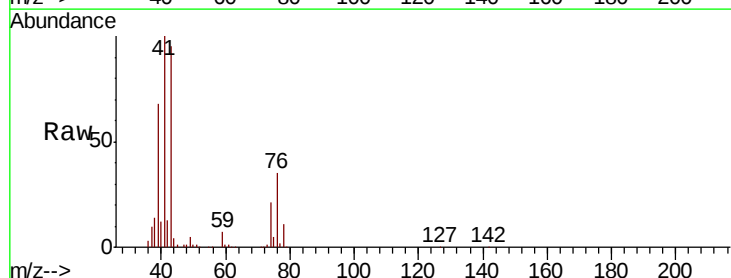
Acq: 12 Nov 2019 9:24

Tgt Ion: 43 Resp: 338896

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059176.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059176.D (-692) (-)

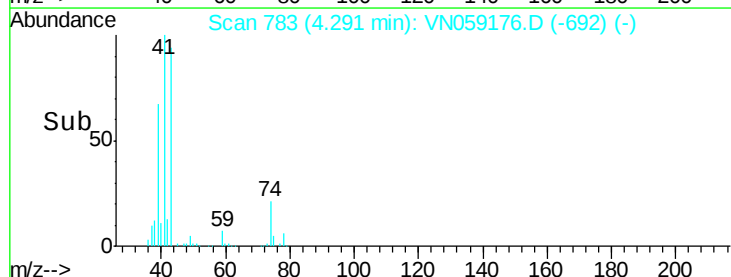
4.29

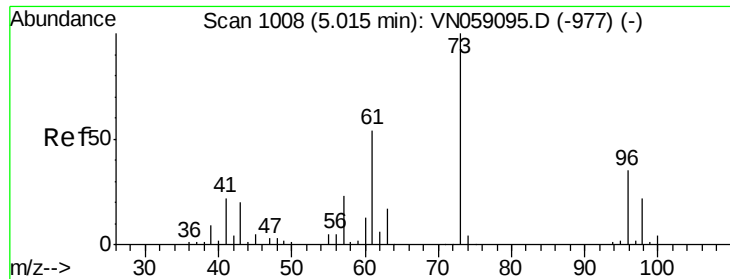
100000

50000

0

Time-->





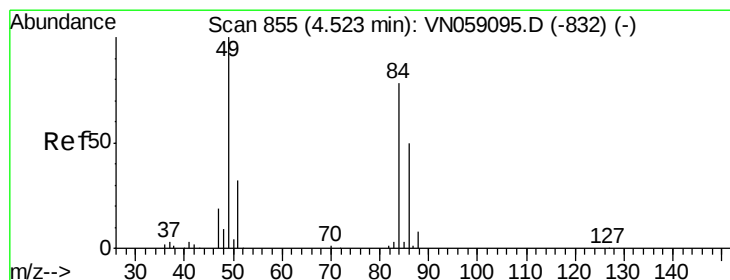
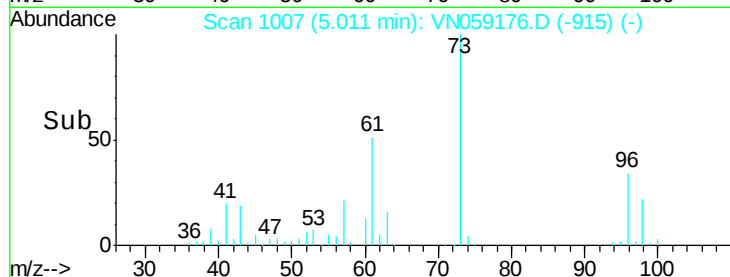
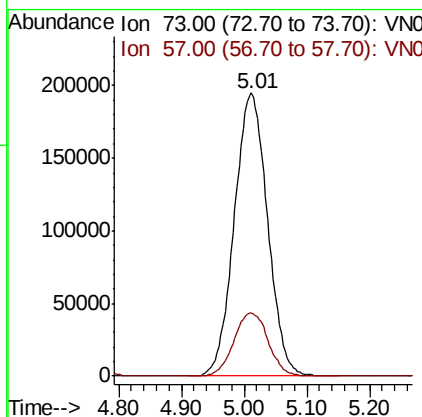
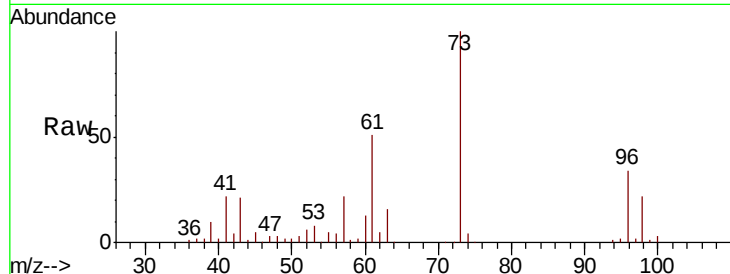
#19
Methvl tert-butvl Ether
Concen: 49.277 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 716779
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6

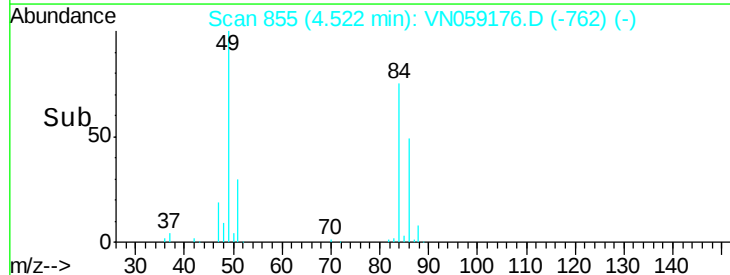
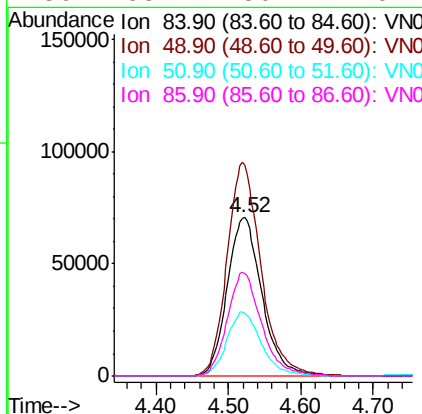
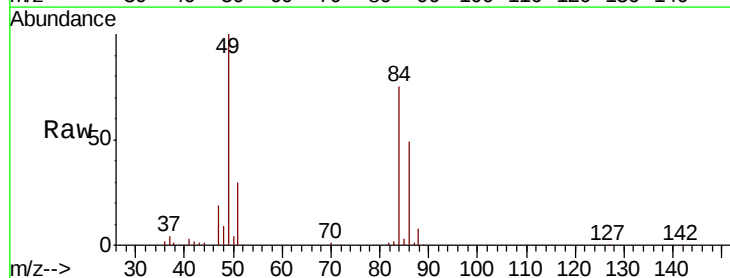
Manual Integrations
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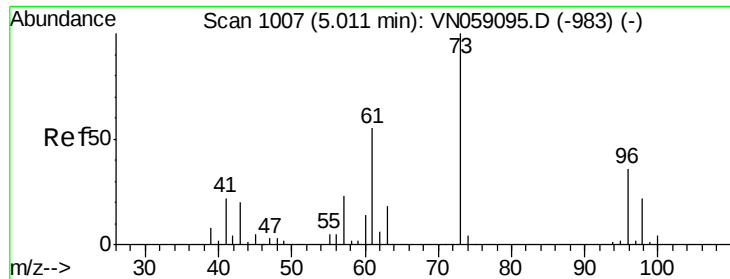
MMDadoda
11/13/2019 12:07:55 PM



#20
Methylene Chloride
Concen: 46.699 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 84 Resp: 235543
Ion Ratio Lower Upper
84 100
49 133.5 102.0 153.0
51 39.8 32.2 48.2
86 65.1 50.7 76.1





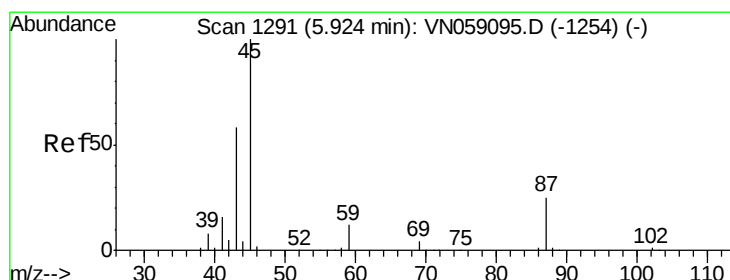
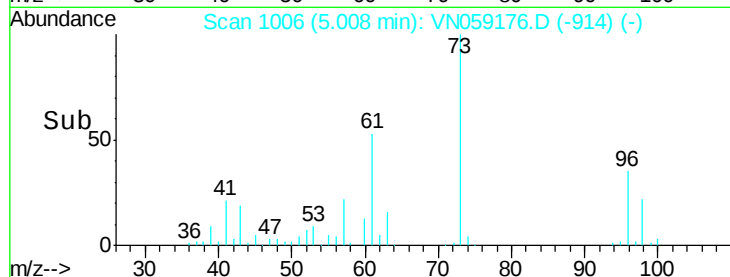
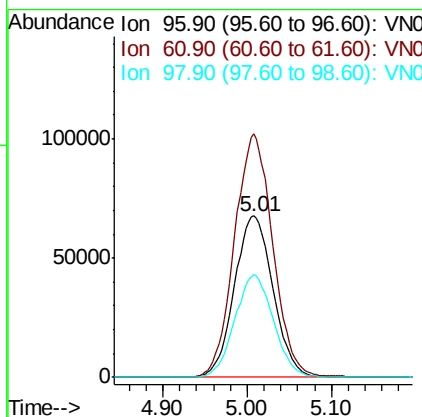
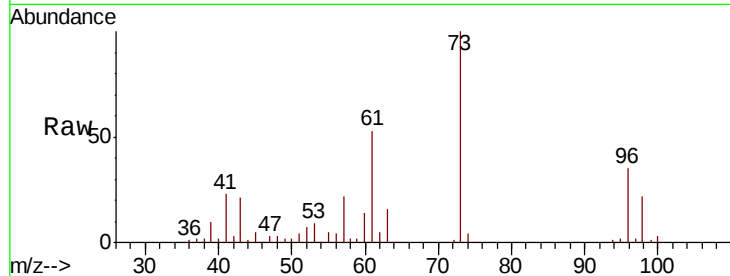
#21
trans-1,2-Dichloroethene
Concen: 47.655 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	122.6	183.8
98	63.5	50.3	75.5

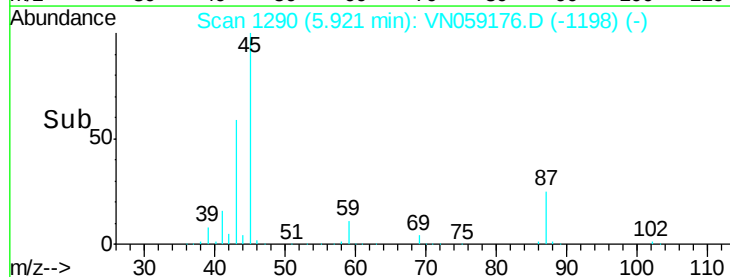
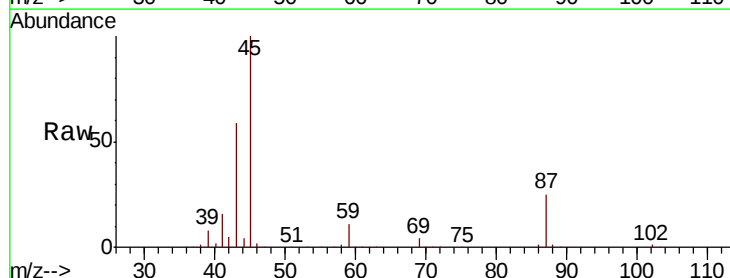
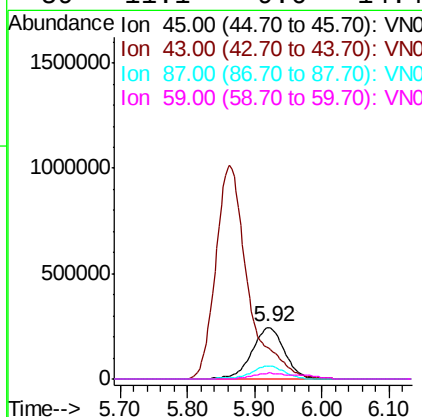
Manual Integrations
APPROVED

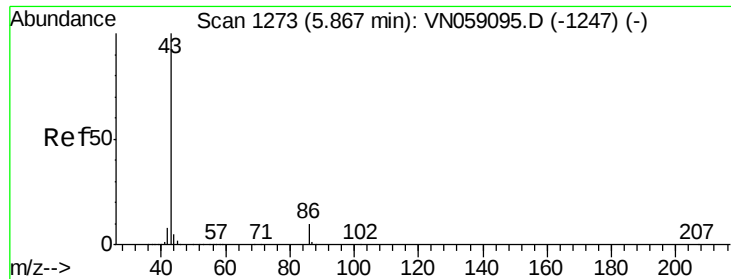
MMDadoda
11/13/2019 12:07:55 PM



#22
Diisopropyl ether
Concen: 50.001 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.7	70.1
87	25.1	20.5	30.7
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 265.320 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3370764

Ion Ratio Lower Upper

43 100

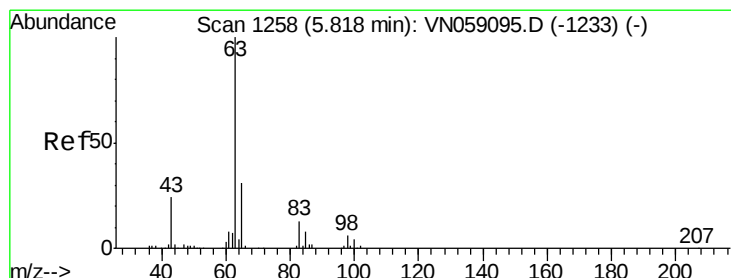
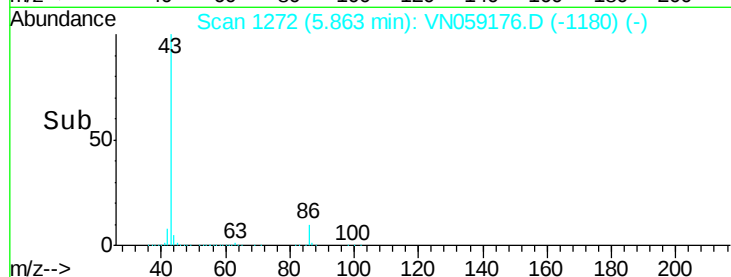
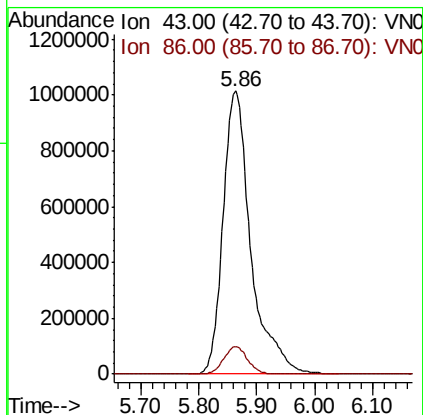
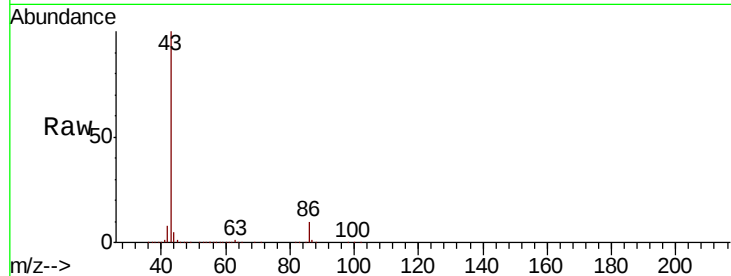
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.414 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

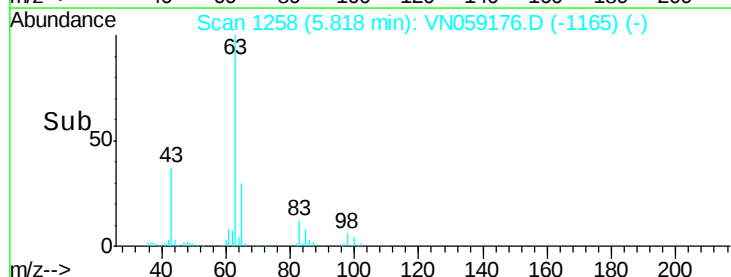
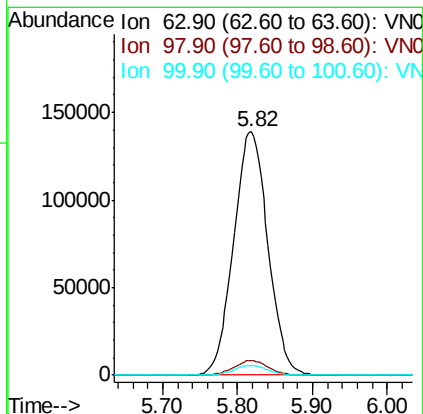
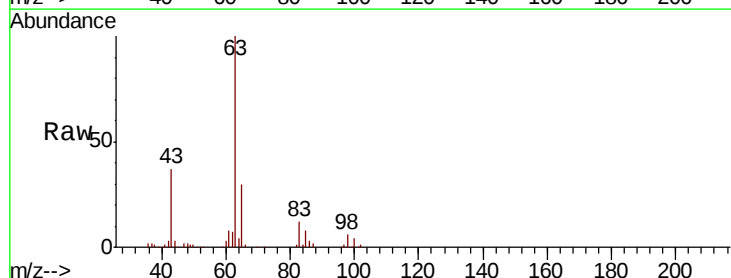
Tgt Ion: 63 Resp: 443259

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 259.536 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tot Ion: 43 Resp: 990300

Ion Ratio Lower Upper

43 100

72 25.1 20.3 30.5

Instrument :

MSVOA_N

ClientSampleId :

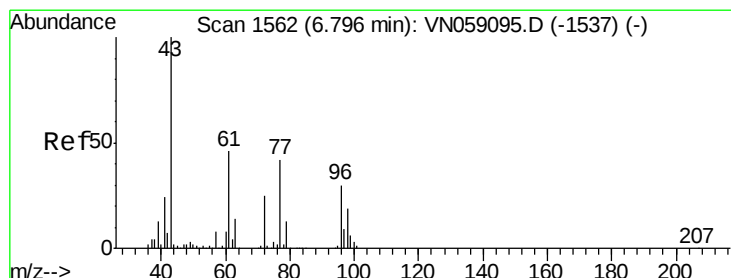
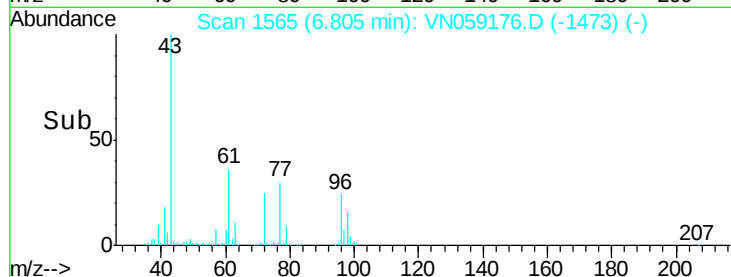
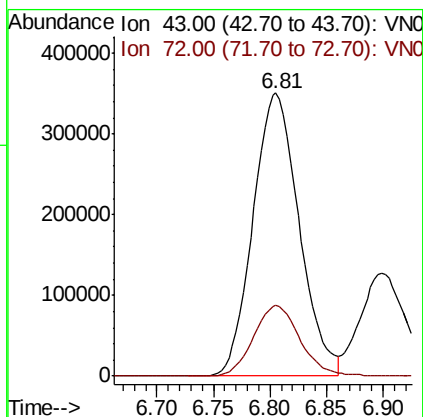
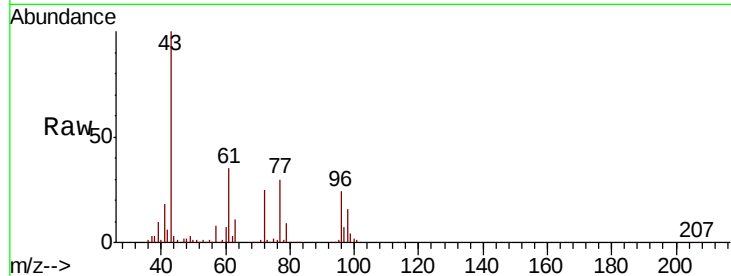
VSTDCCC050

Manual Integrations

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MMDadoda

11/13/2019 12:07:55 PM



#26

2,2-Dichloropropane

Concen: 47.678 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059176.D

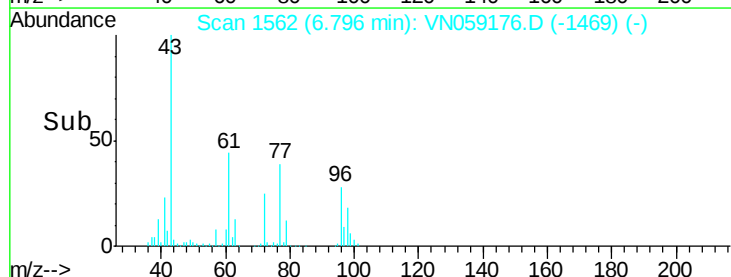
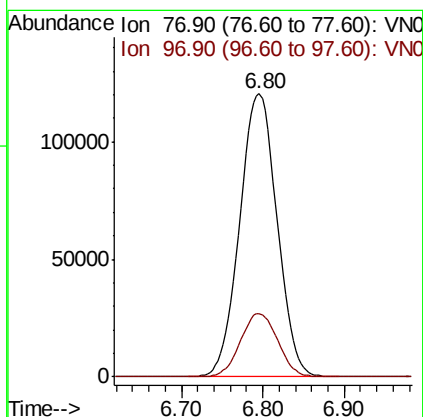
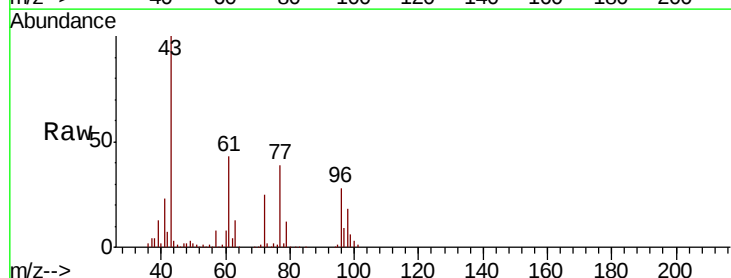
Acq: 12 Nov 2019 9:24

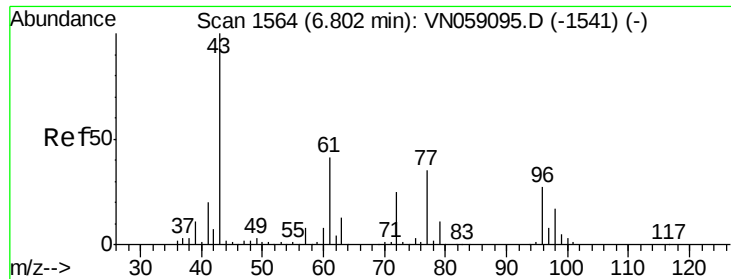
Tgt Ion: 77 Resp: 381705

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.356 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

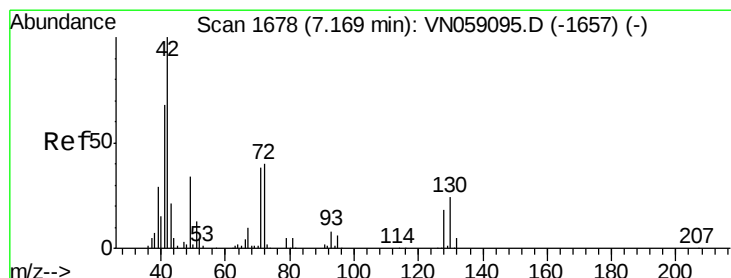
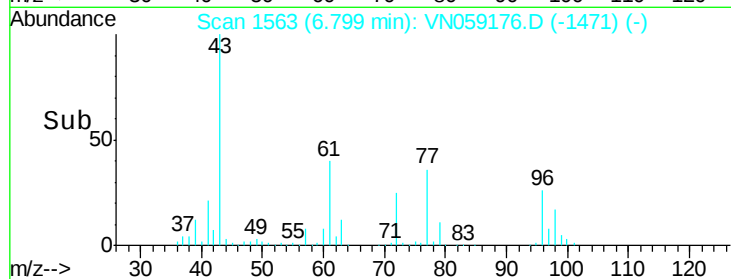
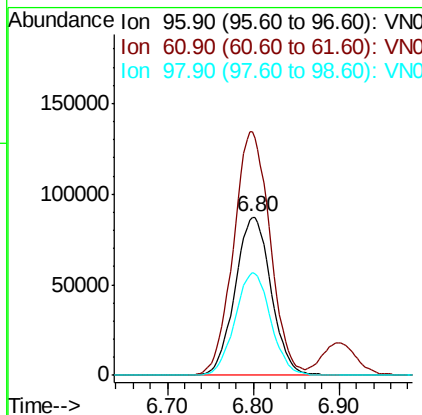
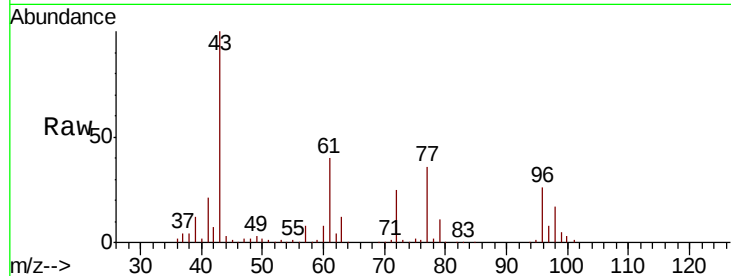
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	254421
Ion Ratio	Lower	Upper	
96	100		
61	156.0	0.0	311.6
98	64.1	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 49.926 ug/l

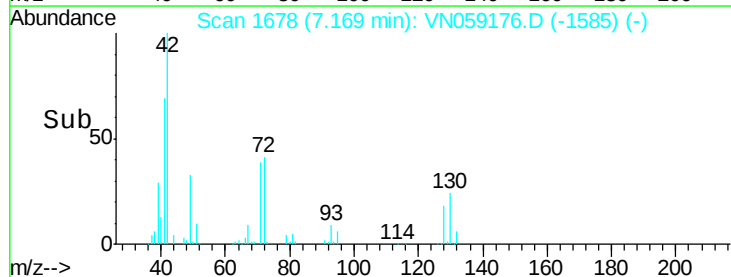
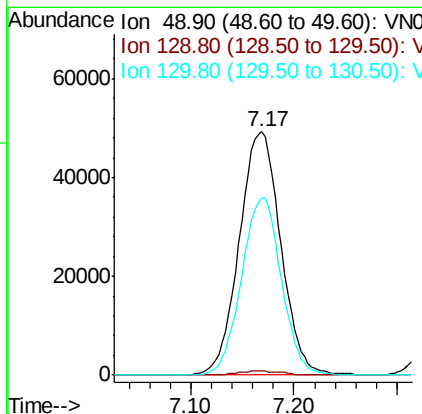
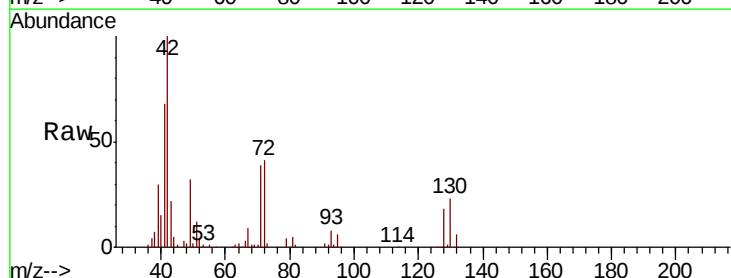
RT: 7.17 min Scan# 1678

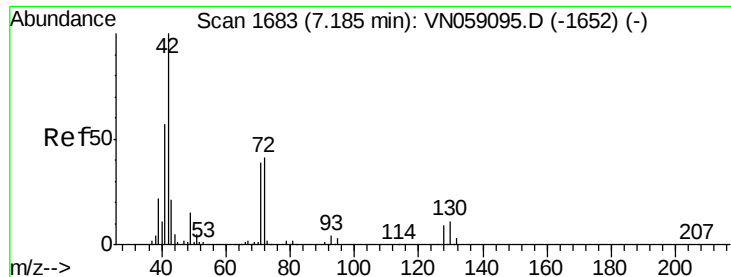
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion:	49	Resp:	137524
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	3.8
130	70.2	55.6	83.4





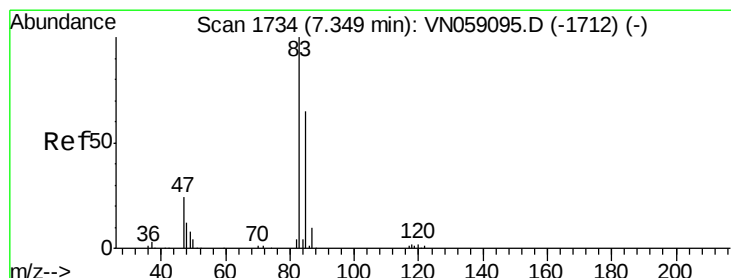
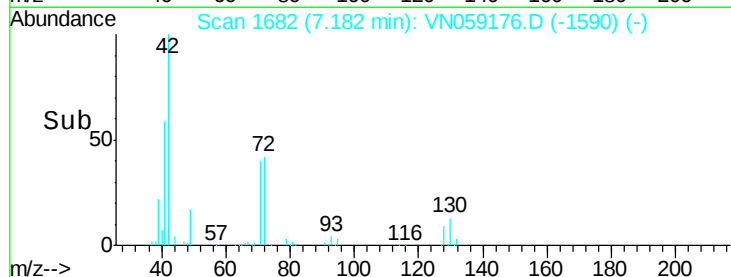
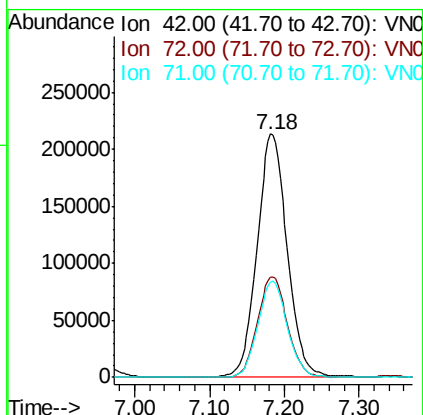
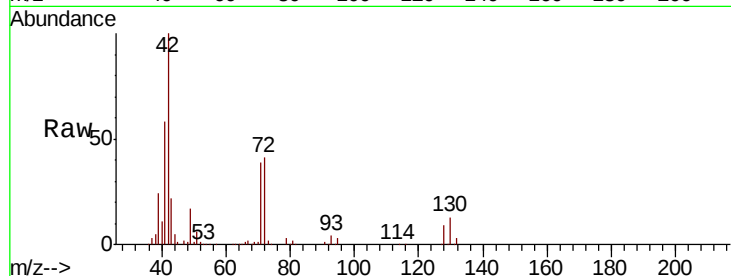
#29
Tetrahydrofuran
Concen: 245.867 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	38.8	30.9	46.3

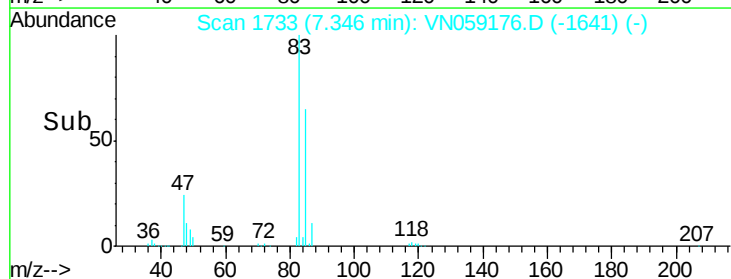
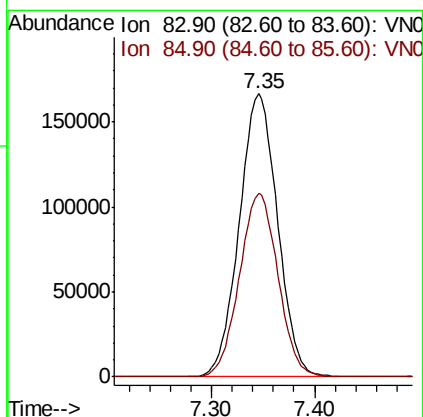
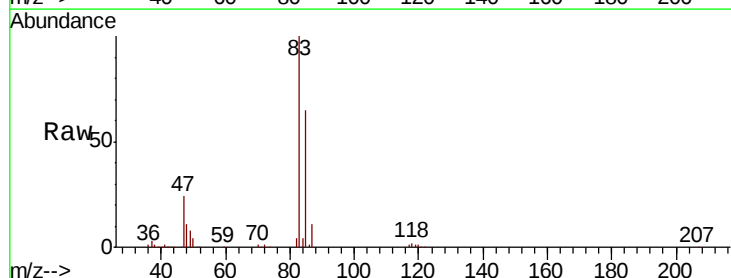
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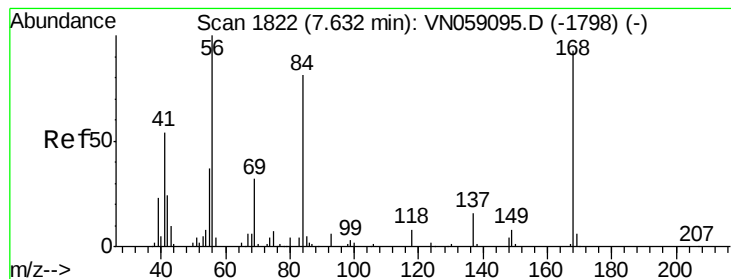
MMDadoda
11/13/2019 12:07:55 PM



#30
Chloroform
Concen: 48.975 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





#31

Cyclohexane

Concen: 43.847 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

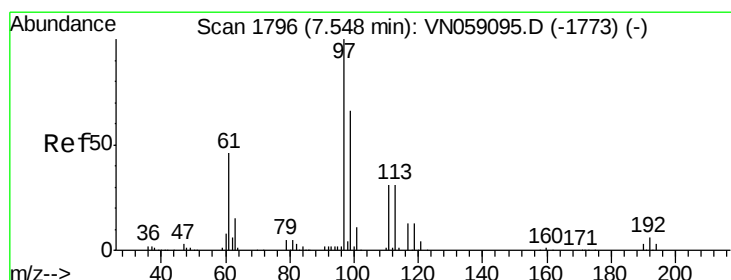
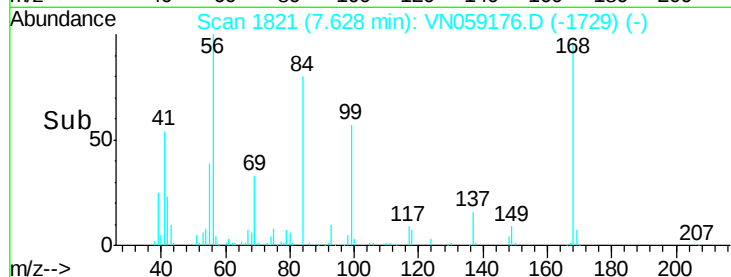
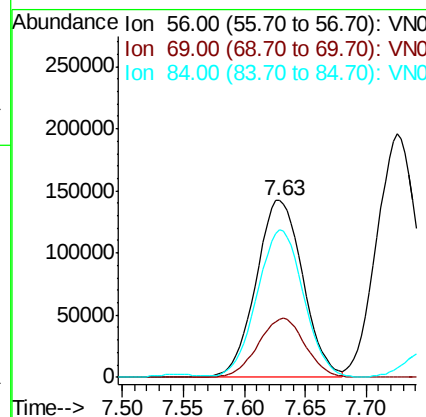
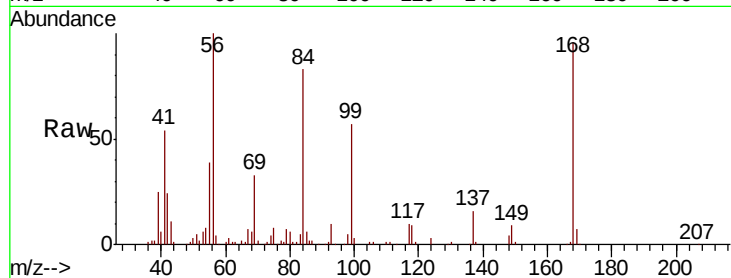
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	380044
Ion Ratio	Lower	Upper	
56	100		
69	32.7	25.8	38.8
84	82.1	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.487 ug/l

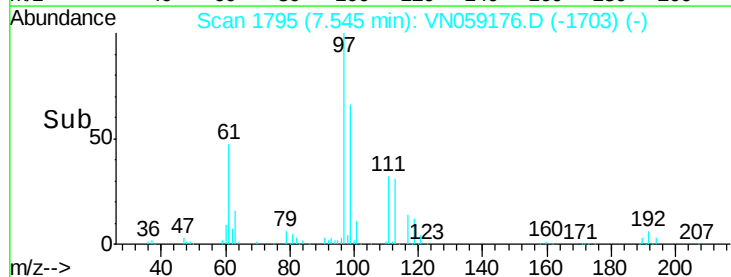
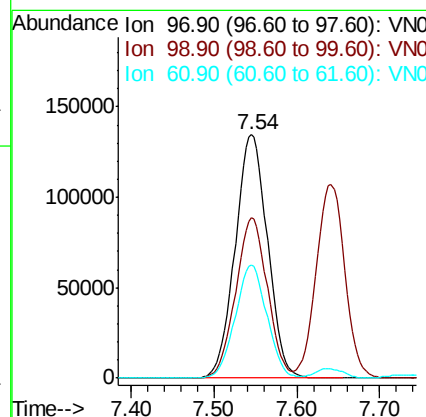
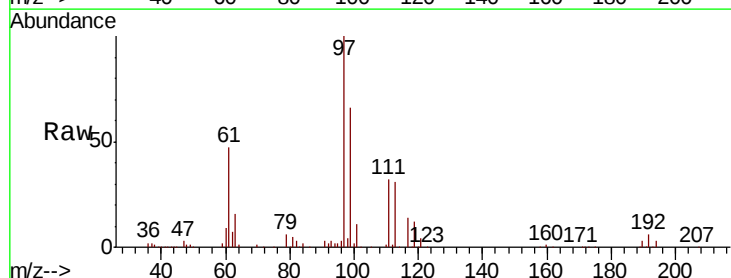
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion:	97	Resp:	365415
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.6
61	45.6	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 50.983 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 283846

Ion Ratio Lower Upper

65 100

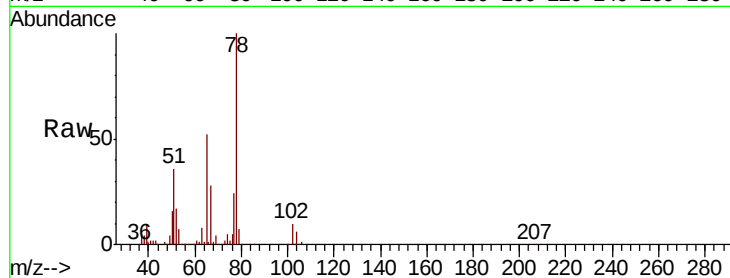
67 53.6 0.0 107.4

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Abundance Ion 64.90 (64.60 to 65.60): VN059176.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059176.D (-1845) (-)

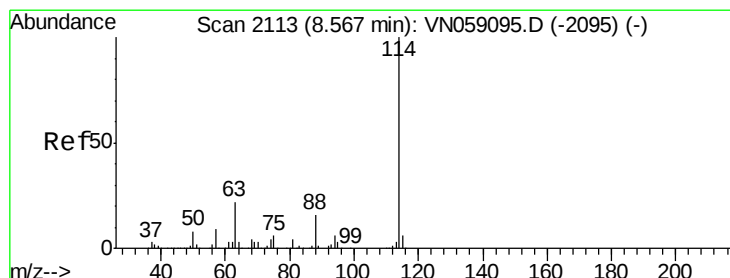
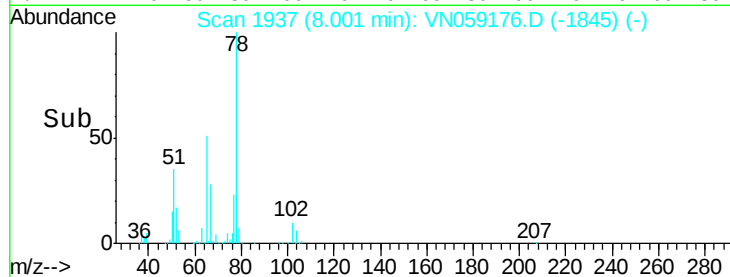
8.00

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

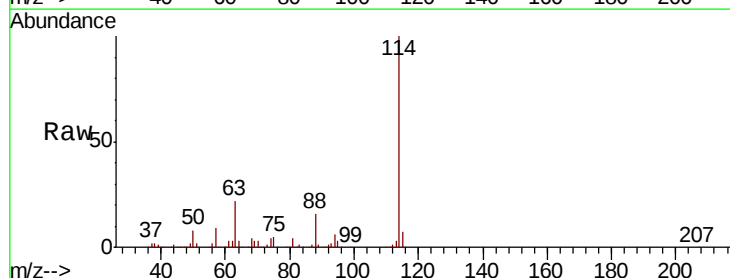
Tgt Ion: 114 Resp: 699501

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059176.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059176.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059176.D (-2020) (-)

8.57

400000

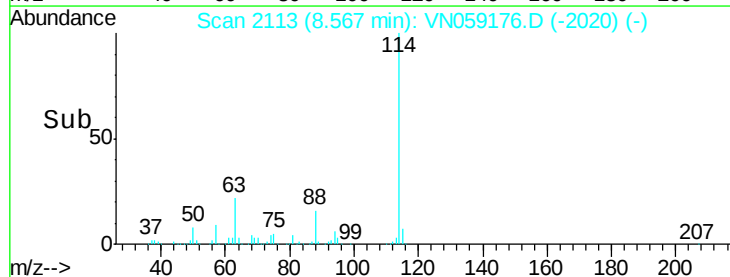
300000

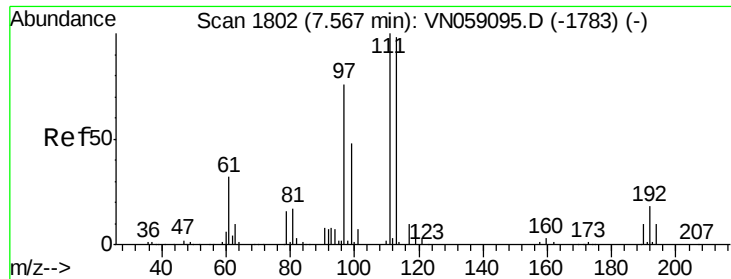
200000

100000

0

Time-->





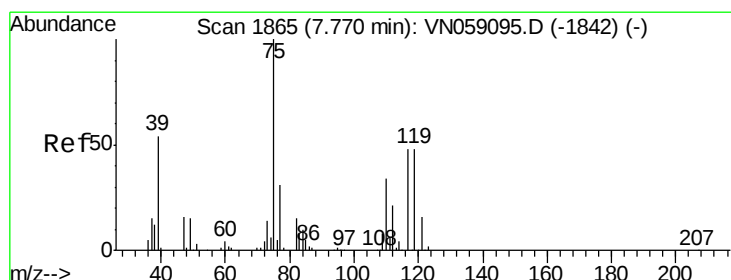
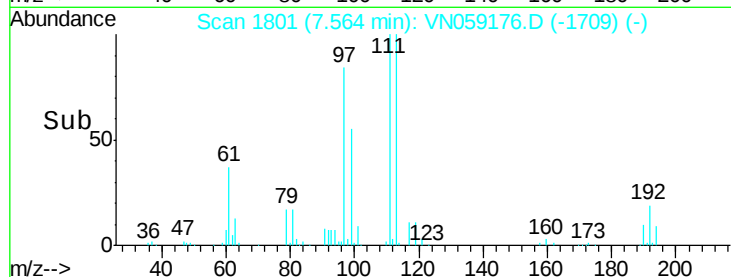
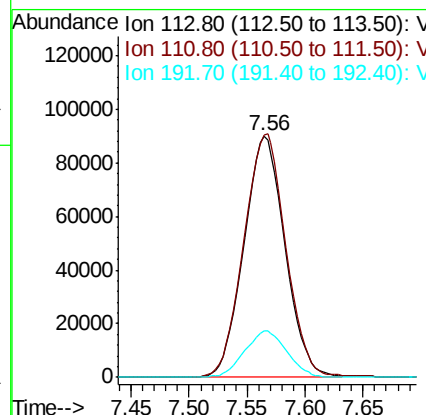
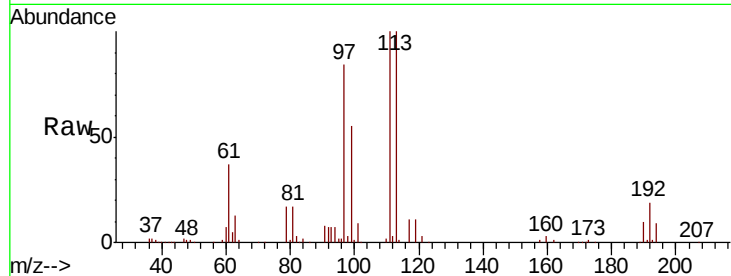
#35
Dibromofluoromethane
Concen: 53.102 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221793		
111	103.6	82.8	124.2	
192	19.8	16.1	24.1	

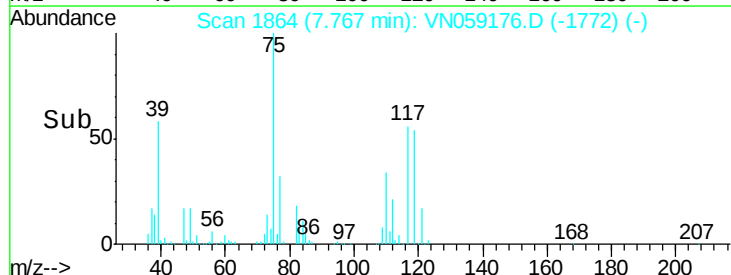
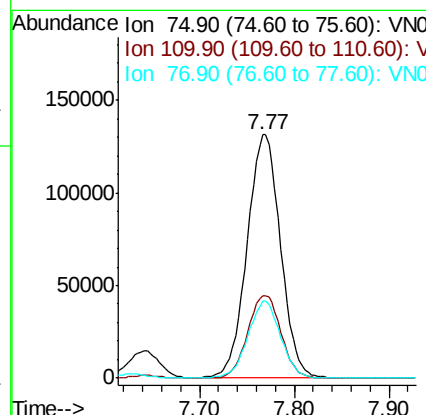
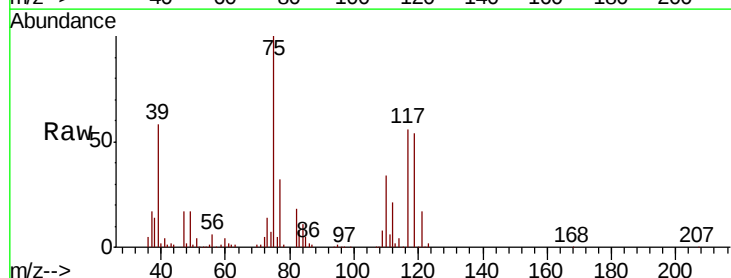
Manual Integrations
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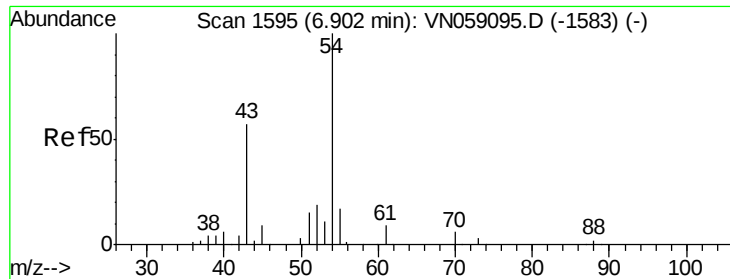
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#36
1,1-Dichloropropene
Concen: 49.084 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	320924		
110	33.9	17.1	51.2	
77	31.3	24.8	37.2	





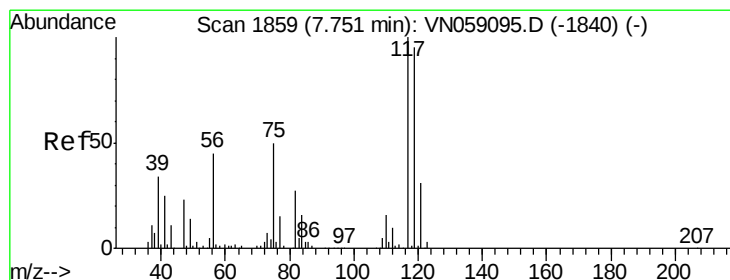
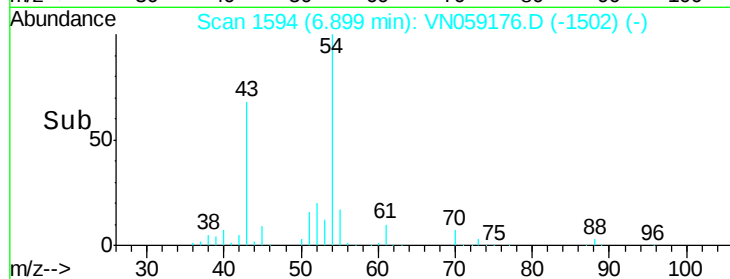
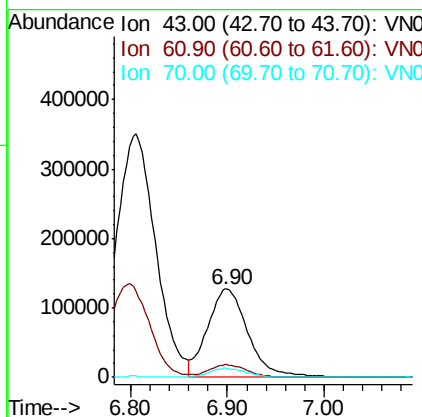
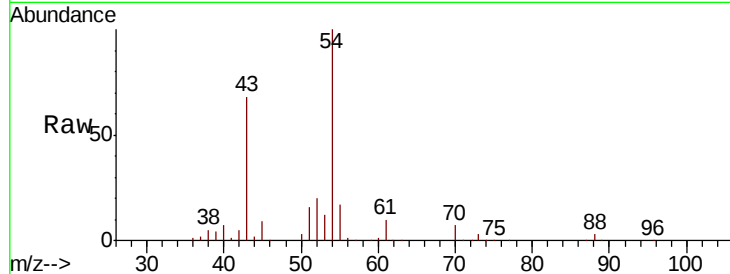
#37
Ethyl Acetate
Concen: 49.909 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.2	16.8
70	9.9	7.8	11.8

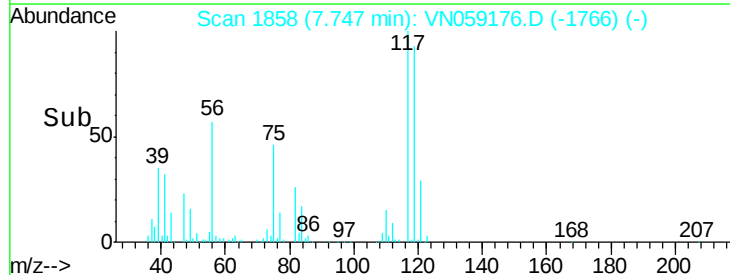
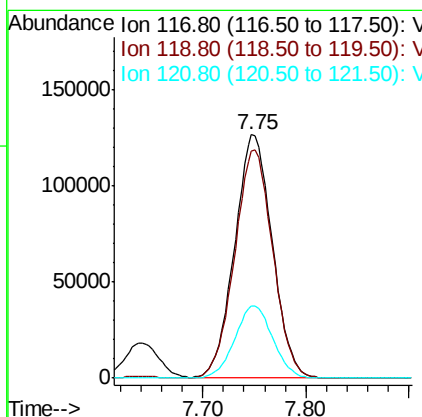
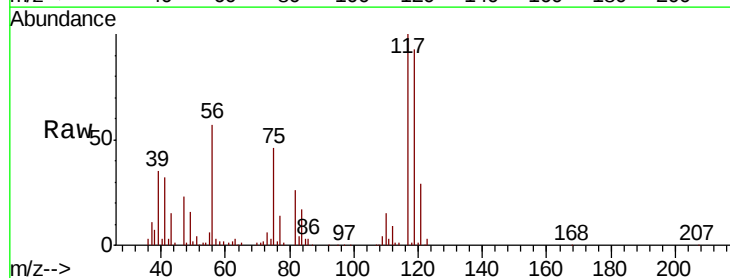
Manual Integrations
APPROVED

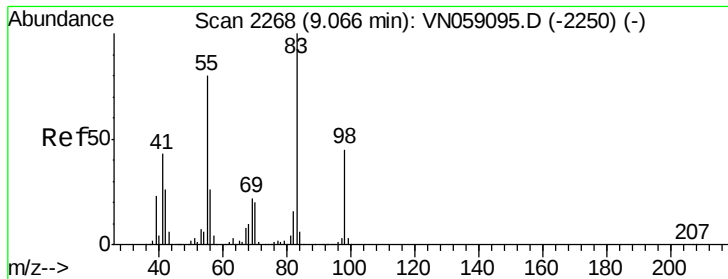
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#38
Carbon Tetrachloride
Concen: 49.309 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.6	113.4
121	29.4	24.6	36.8





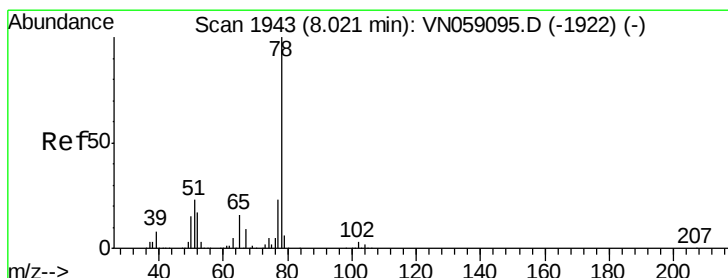
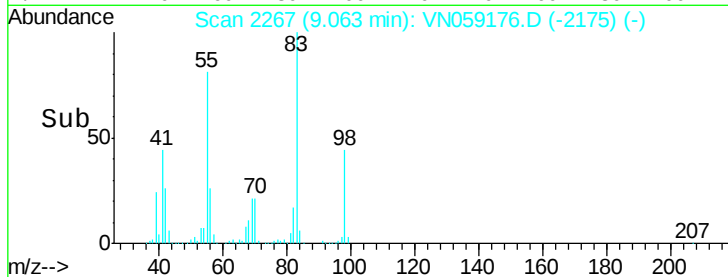
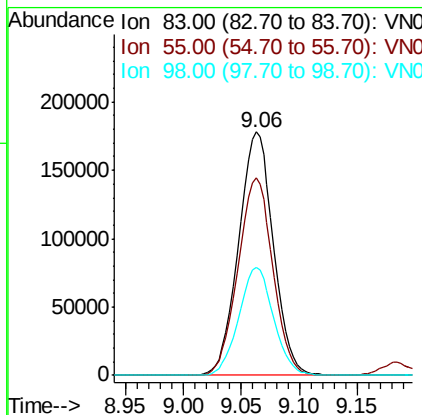
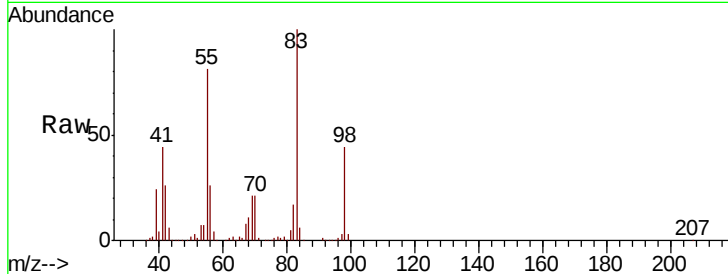
#39
Methvlcvclohexane
Concen: 48.824 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	370490		
55	80.9	63.9	95.9	
98	44.3	35.6	53.4	

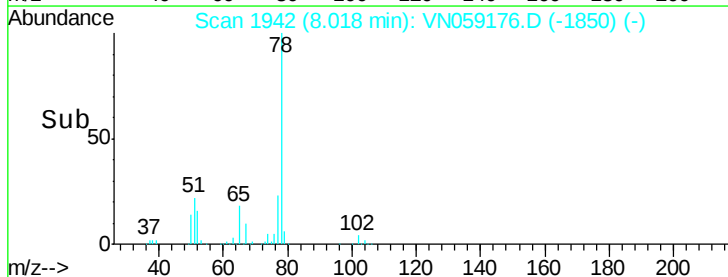
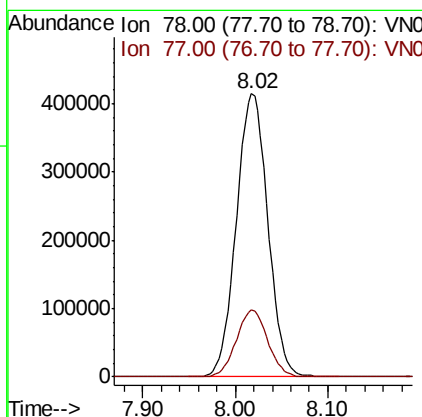
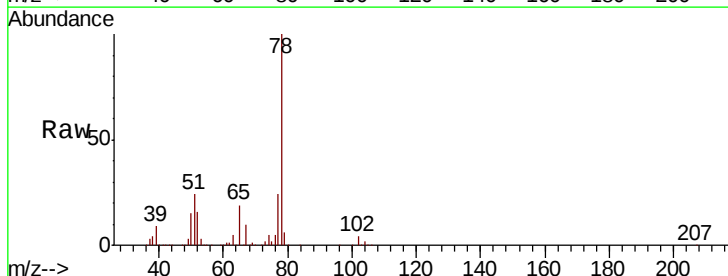
Manual Integrations
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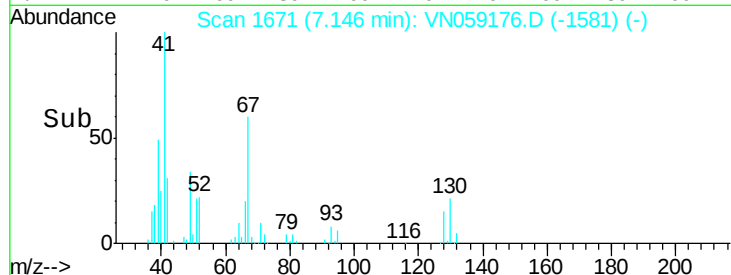
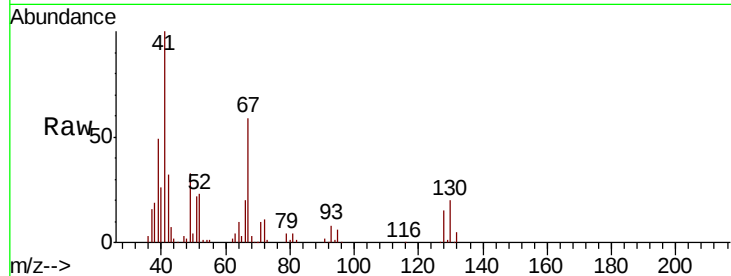
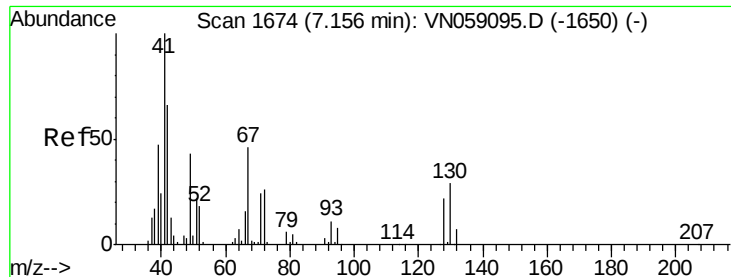
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#40
Benzene
Concen: 49.680 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	978150		
77	23.6	18.8	28.2	





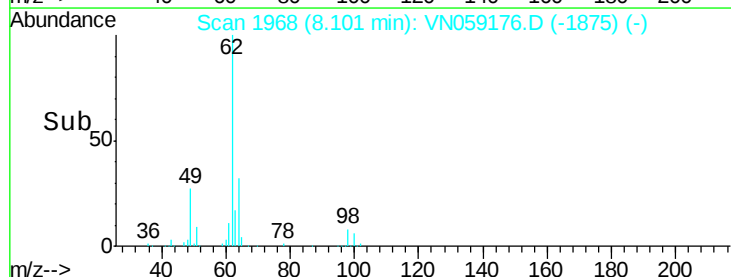
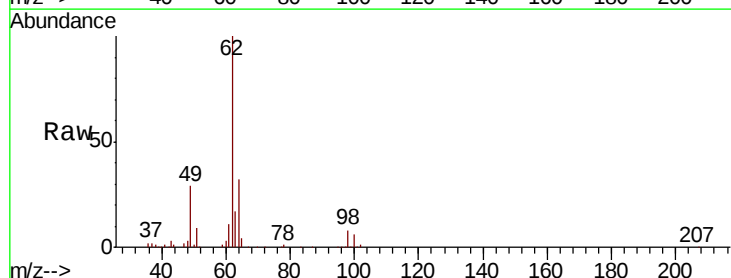
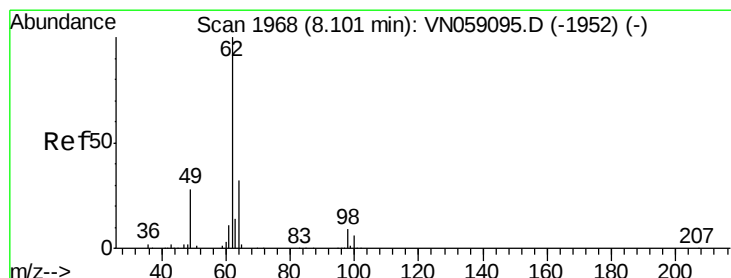
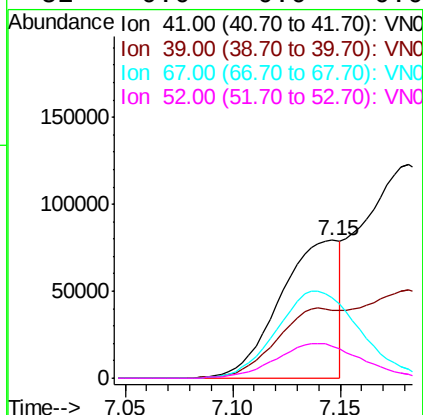
#41
Methacrylonitrile
Concen: 48.328 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		152856		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

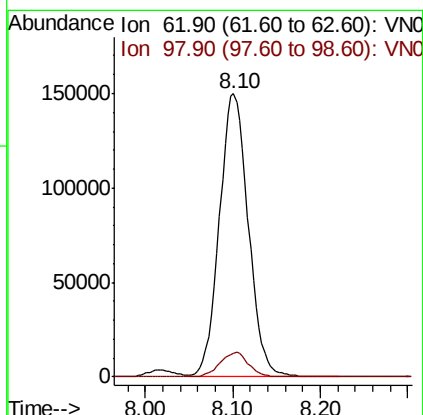
Manual Integrations
APPROVED

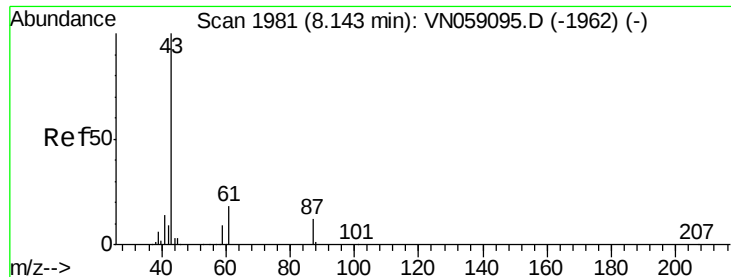
MMDadoda
11/13/2019 12:07:55 PM



#42
1,2-Dichloroethane
Concen: 50.916 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		343830		
98	8.6	0.0	17.8		





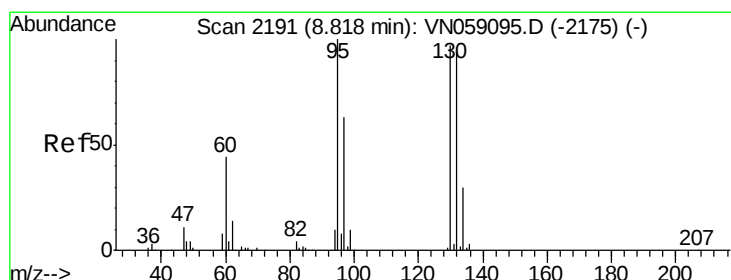
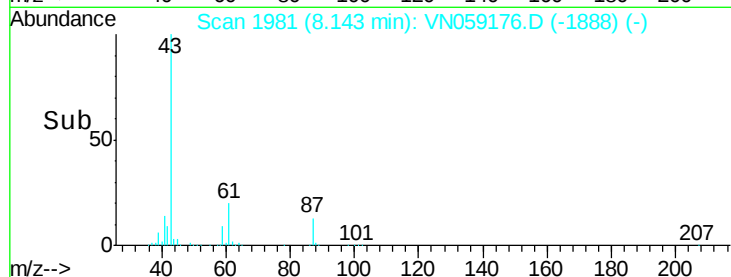
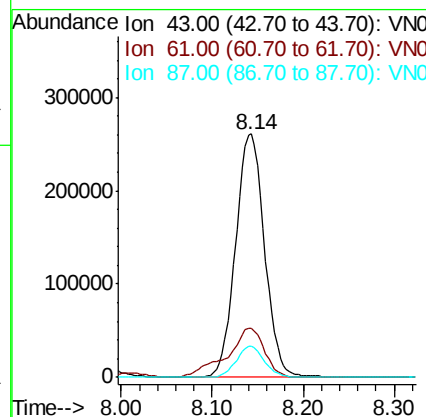
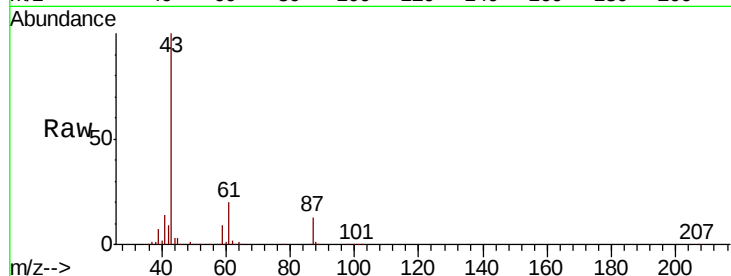
#43
Isopropyl Acetate
Concen: 49.480 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.0	31.6
87	12.5	9.8	14.6

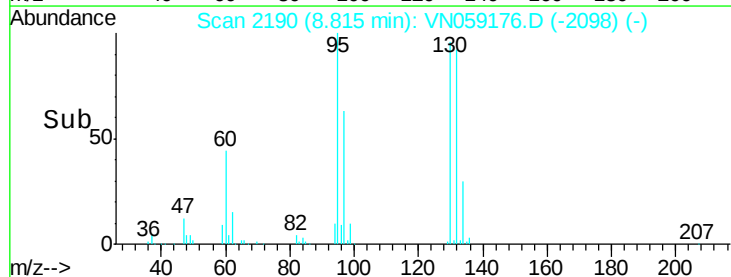
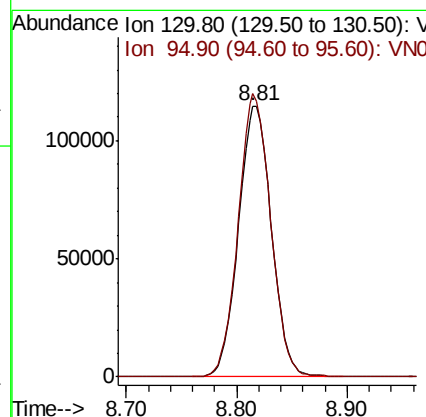
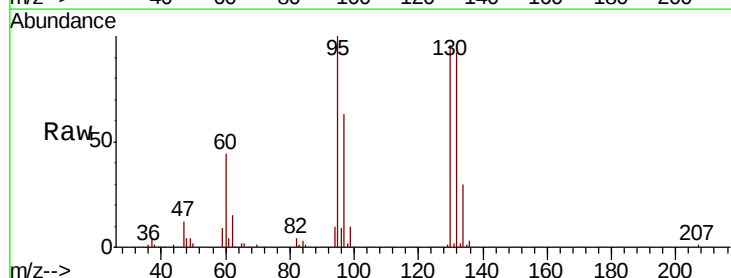
Manual Integrations
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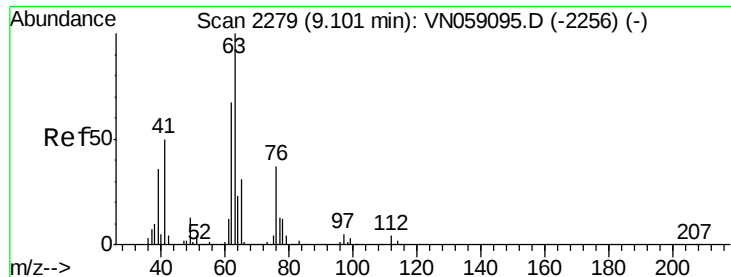
MMDadoda
11/13/2019 12:07:55 PM



#44
Trichloroethene
Concen: 49.133 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	206.4





#45

1,2-Dichloropropane

Concen: 49.932 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 267034

Ion Ratio Lower Upper

63 100

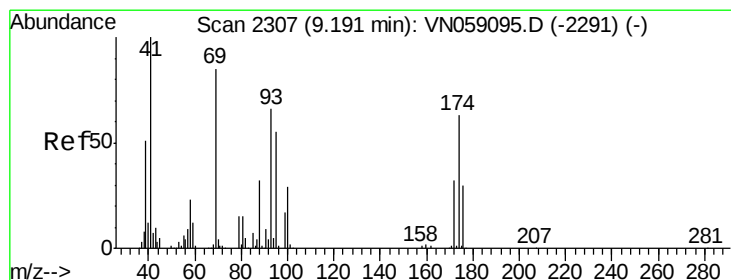
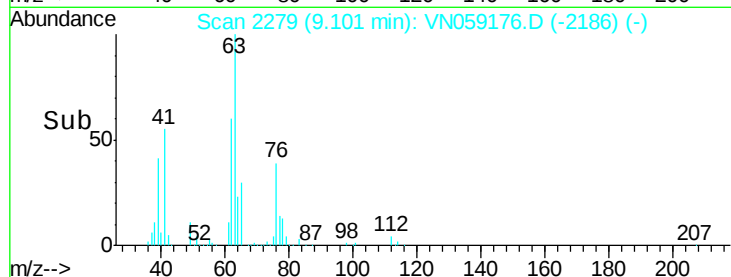
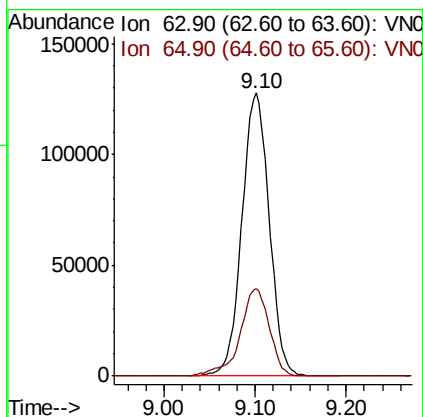
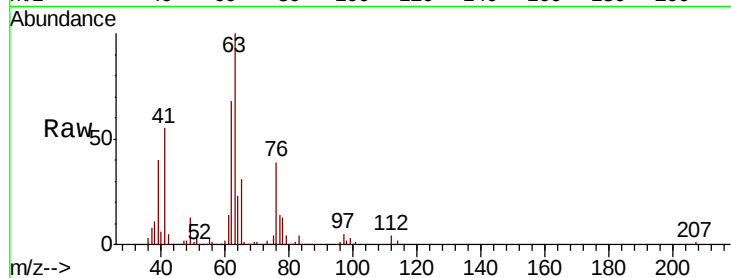
65 31.1 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.446 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

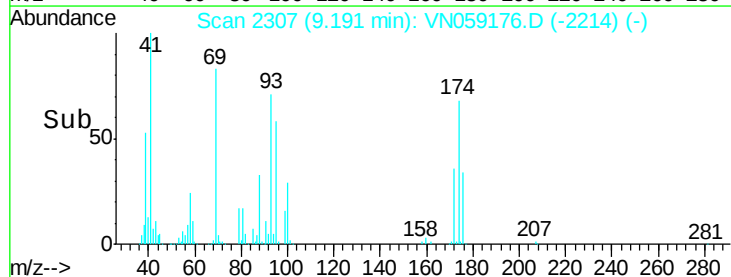
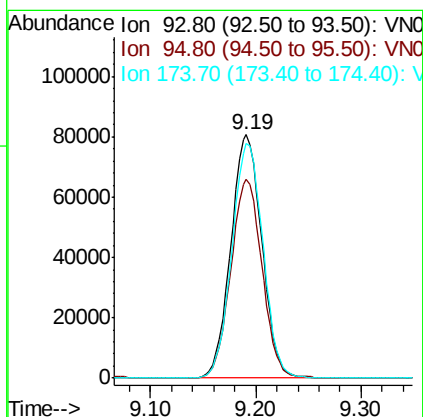
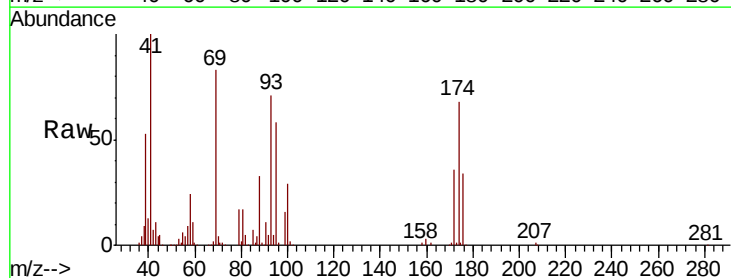
Tgt Ion: 93 Resp: 164781

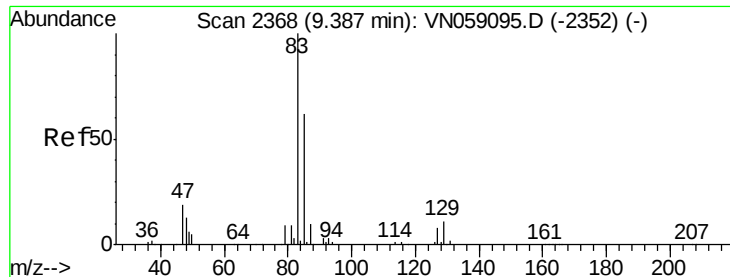
Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

174 96.6 78.2 117.2





#47

Bromodichloromethane

Concen: 51.412 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

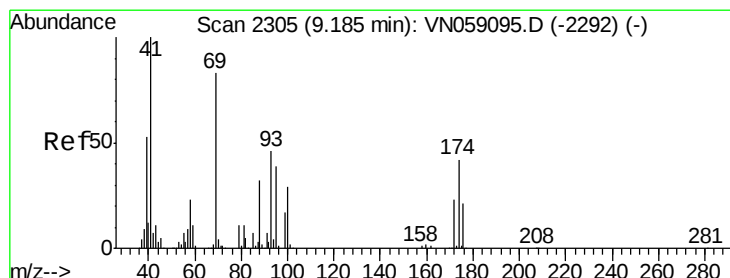
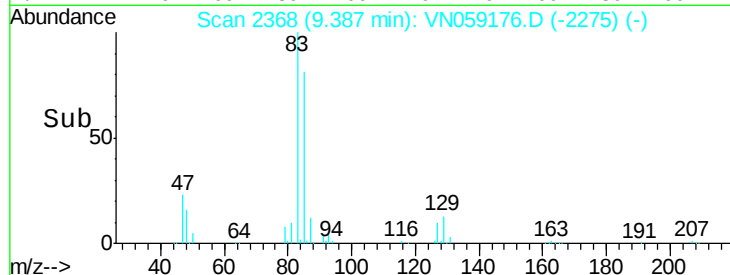
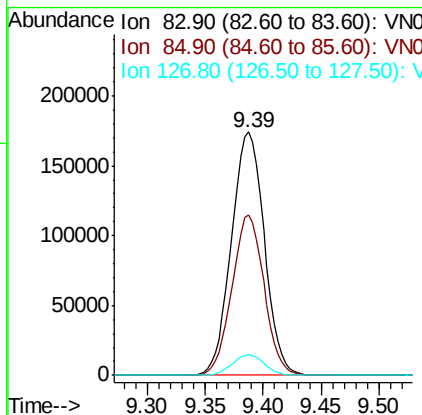
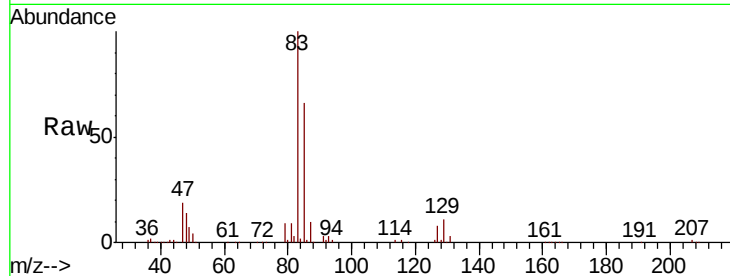
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	342124
Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.7	74.5
127	8.3	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.874 ug/l

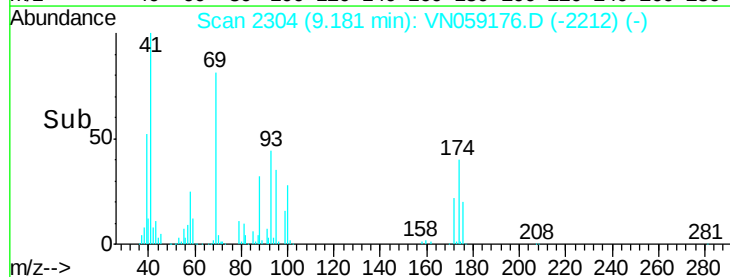
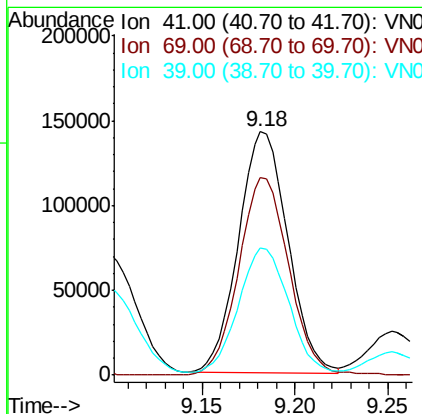
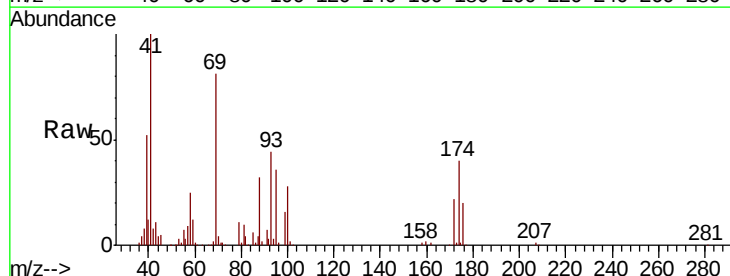
RT: 9.18 min Scan# 2304

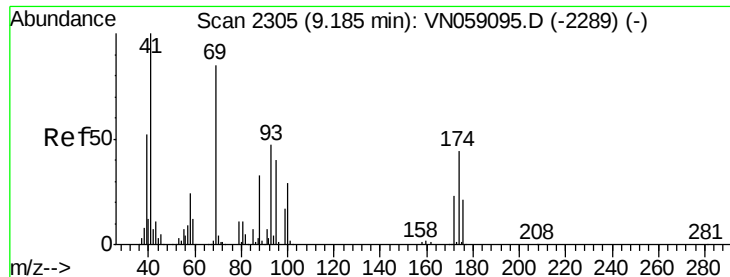
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion:	41	Resp:	263876
Ion	Ratio	Lower	Upper
41	100		
69	83.3	67.3	100.9
39	54.3	43.3	64.9





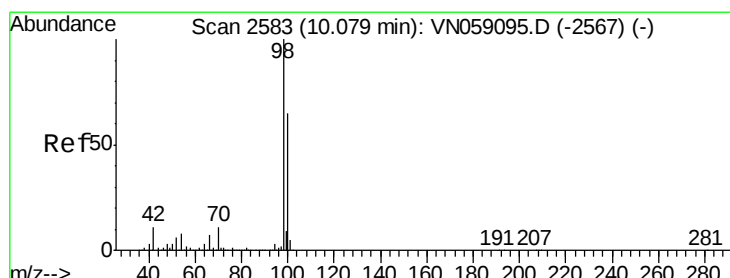
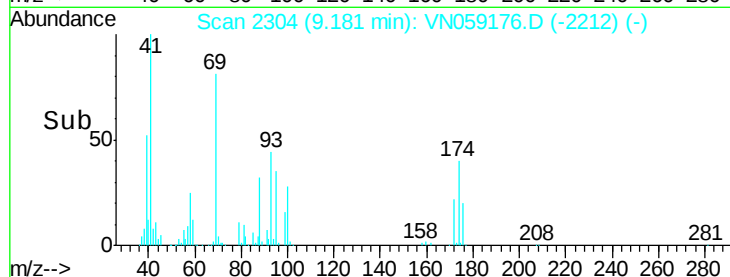
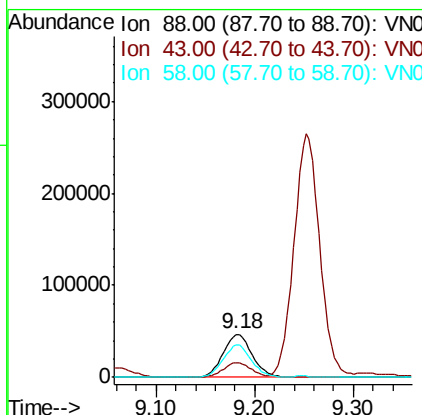
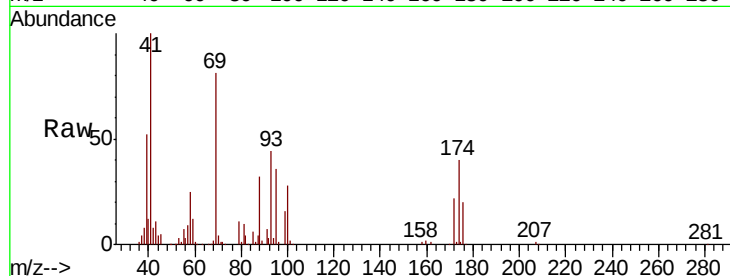
#49
1,4-Dioxane
Concen: 1052.263 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.3	39.5
58	73.7	60.6	90.8

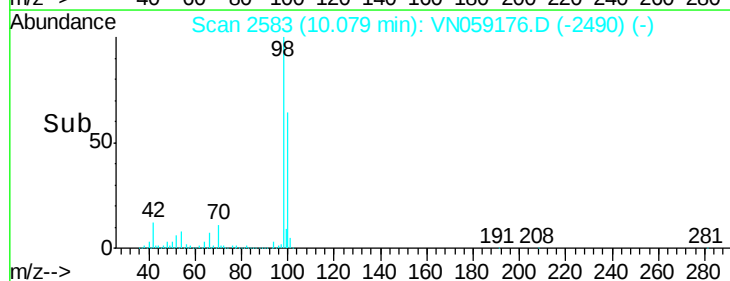
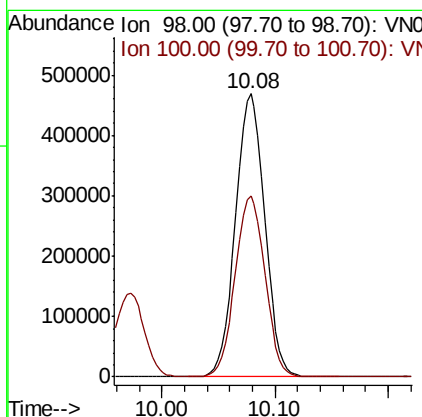
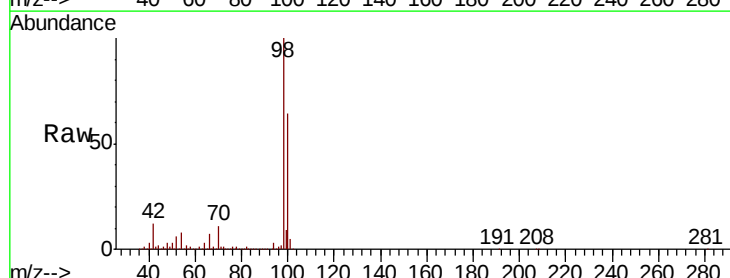
Manual Integrations
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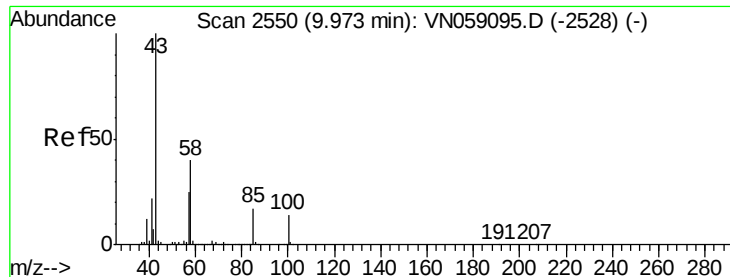
MMDadoda
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#50
Toluene-d8
Concen: 51.618 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 278.638 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1828234

Ion Ratio Lower Upper

43 100

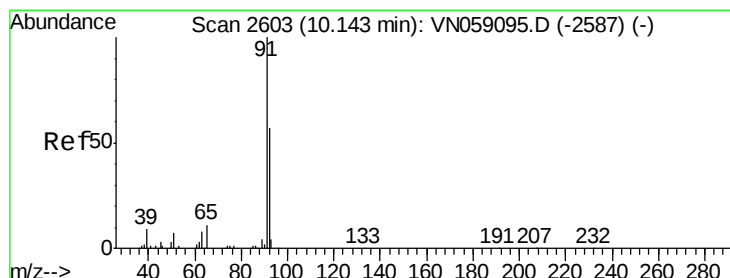
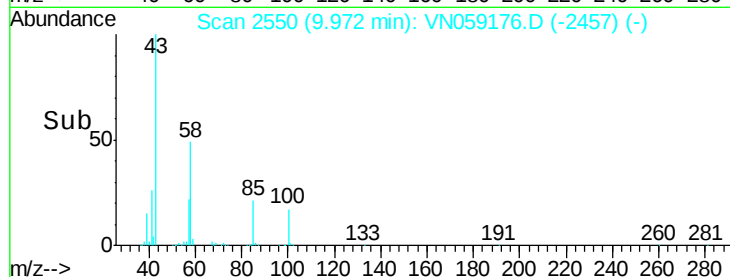
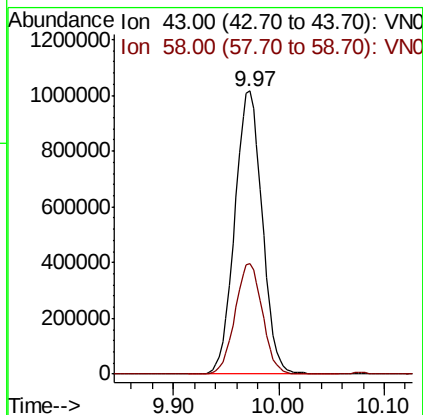
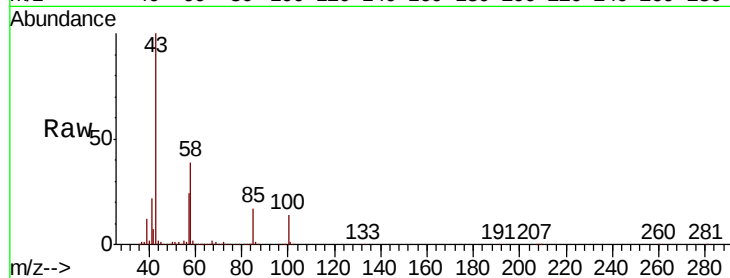
58 38.9 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 50.624 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059176.D

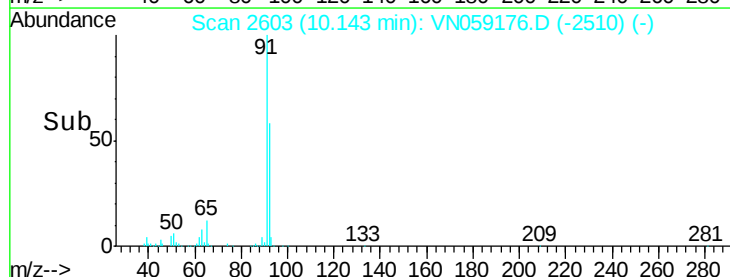
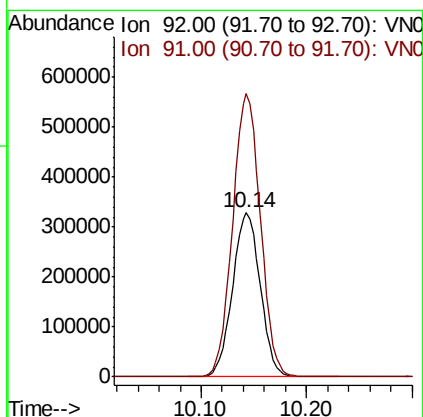
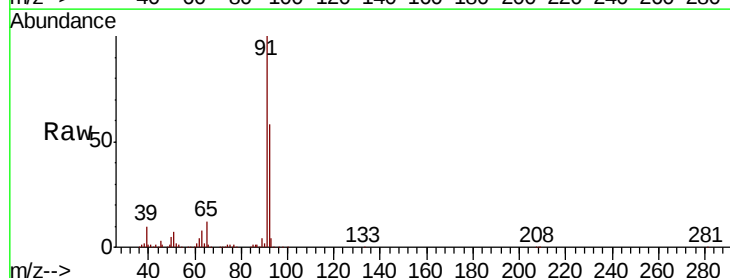
Acq: 12 Nov 2019 9:24

Tgt Ion: 92 Resp: 597413

Ion Ratio Lower Upper

92 100

91 172.9 139.5 209.3





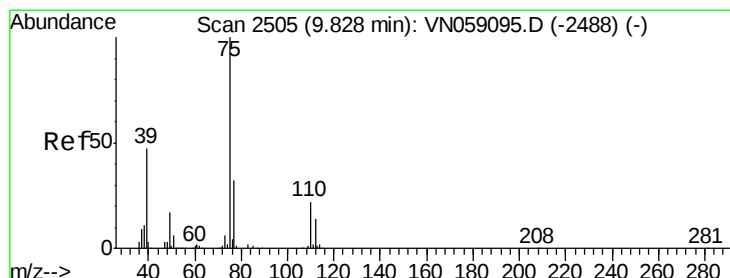
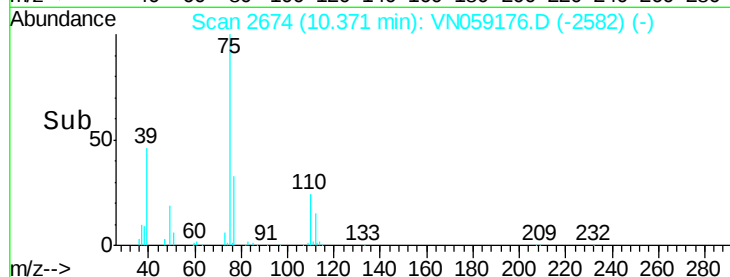
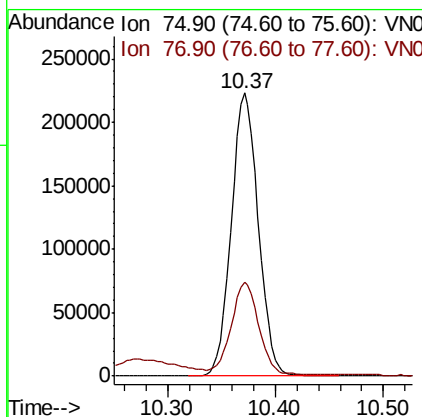
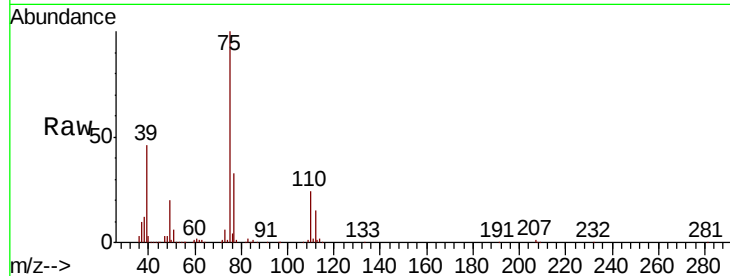
#53
t-1,3-Dichloropropene
Concen: 50.602 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9

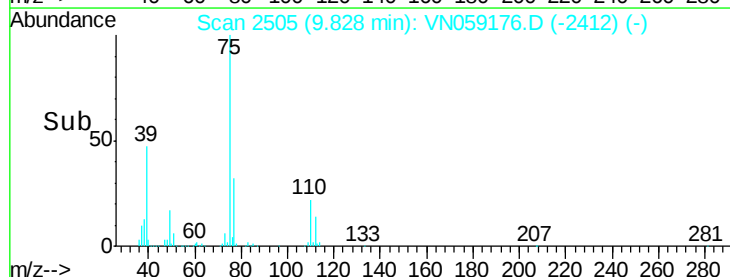
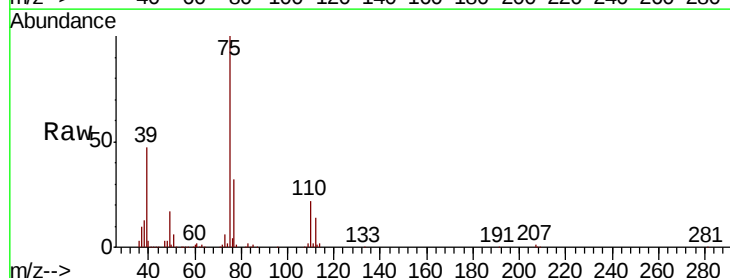
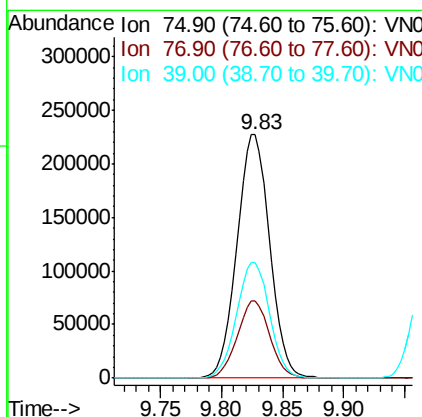
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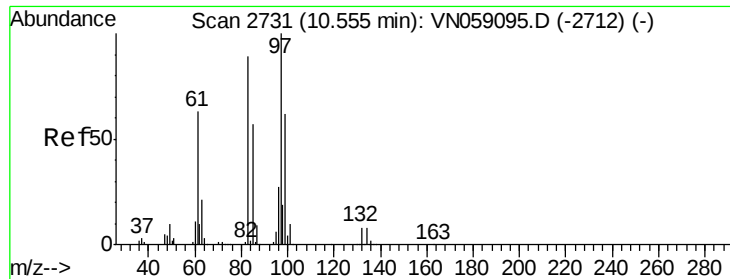
MMDadoda
11/13/2019 12:07:55 PM



#54
cis-1,3-Dichloropropene
Concen: 50.871 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3
39	47.2	37.3	55.9





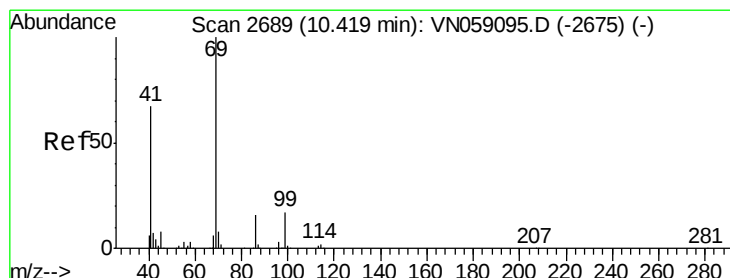
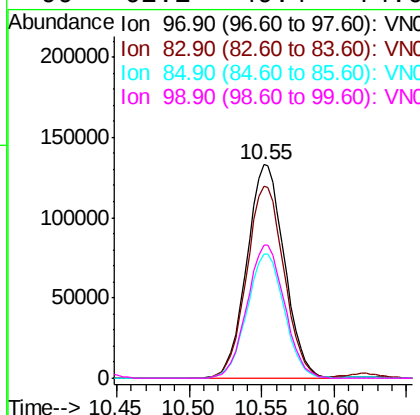
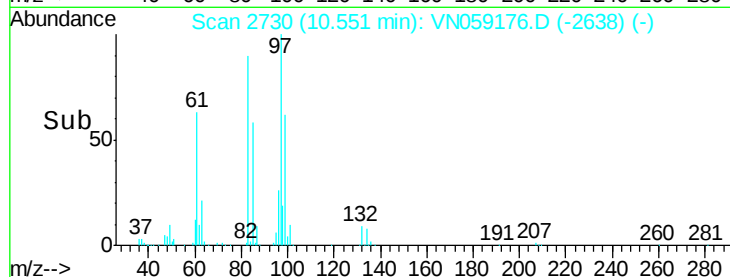
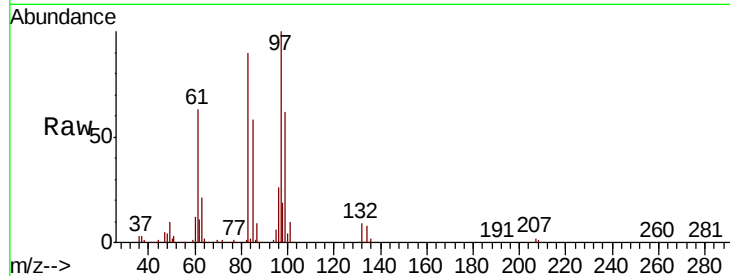
#55
 1,1,2-Trichloroethane
 Concen: 50.346 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	240453
Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.0	106.4
85	57.9	45.8	68.8
99	62.1	49.4	74.0

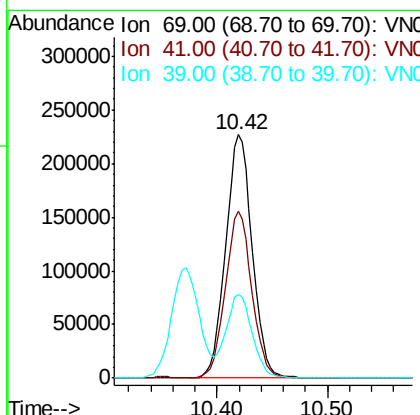
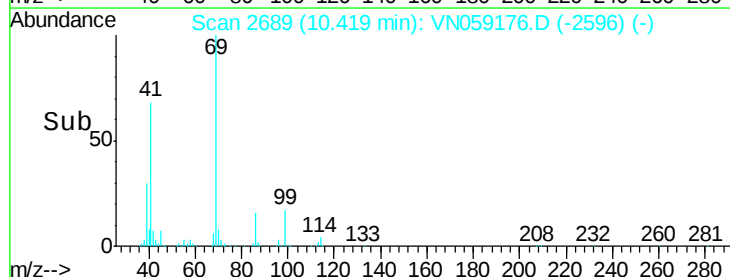
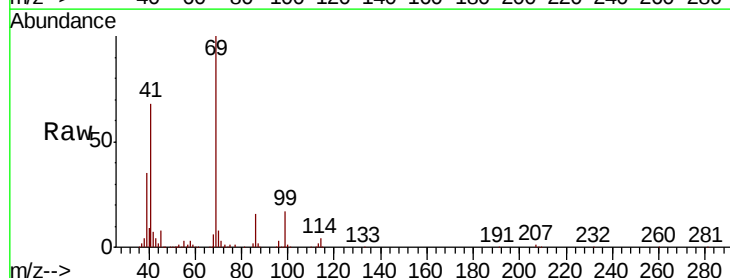
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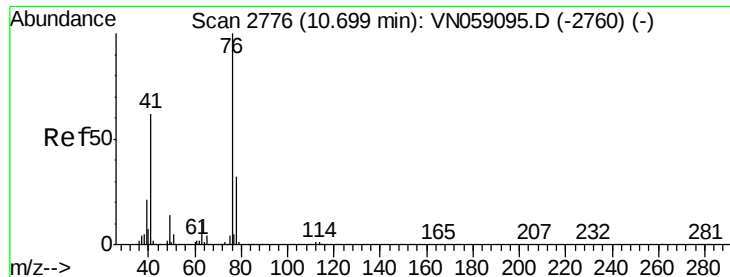
MMDadoda
 11/13/2019 12:07:55 PM



#56
 Ethyl methacrylate
 Concen: 47.498 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion:	69	Resp:	377583
Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.6	80.4
39	34.0	26.2	39.4





#57

1,3-Dichloropropane

Concen: 51.275 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 421481

Ion Ratio Lower Upper

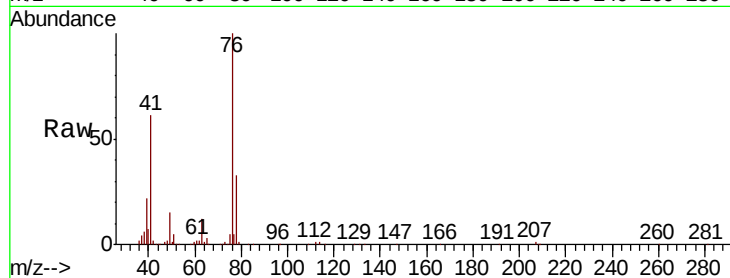
76 100

78 32.2 25.8 38.8

Manual Integrations
APPROVED

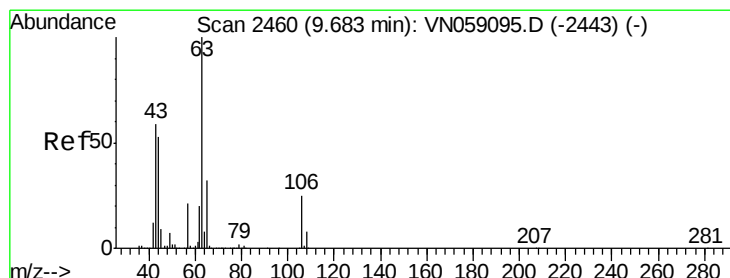
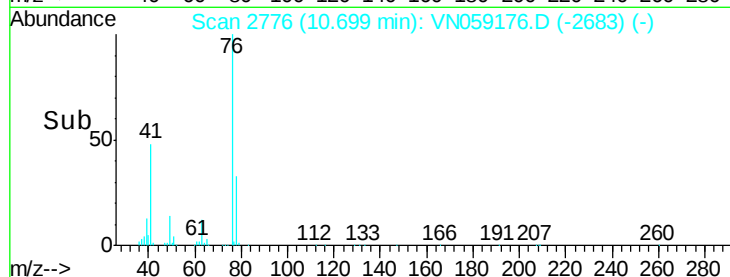
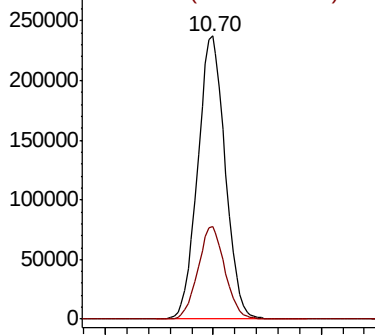
MMDadoda

11/13/2019 12:07:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 249.025 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059176.D

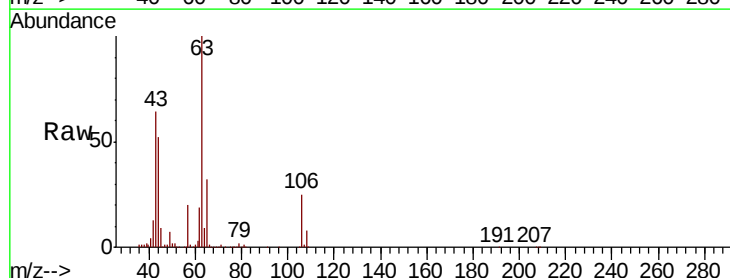
Acq: 12 Nov 2019 9:24

Tgt Ion: 63 Resp: 661900

Ion Ratio Lower Upper

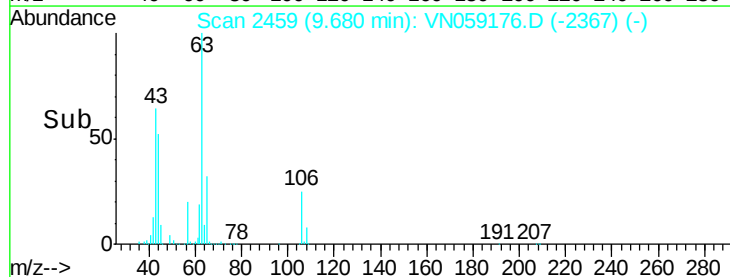
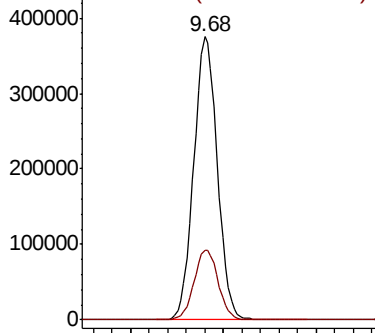
63 100

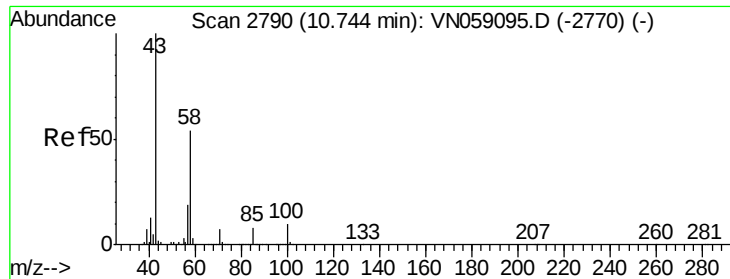
106 25.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





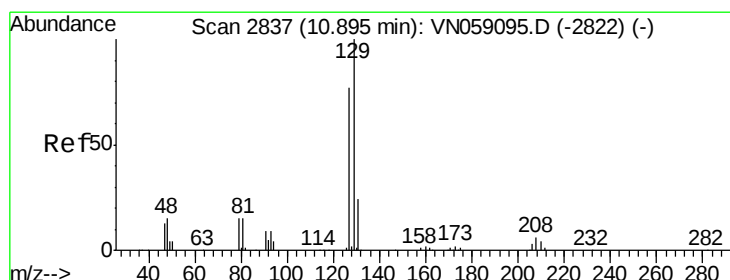
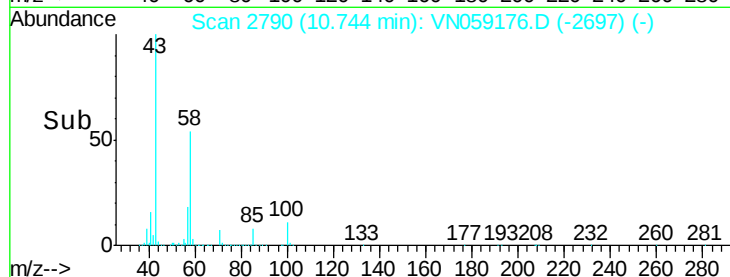
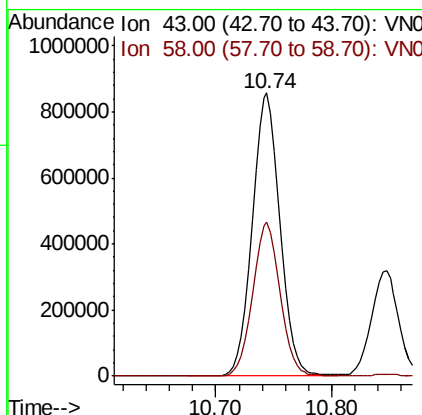
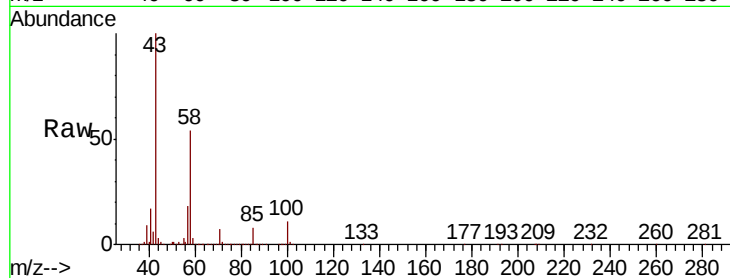
#59
2-Hexanone
Concen: 283.896 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1429734
Ion Ratio Lower Upper
43 100
58 54.1 27.3 81.8

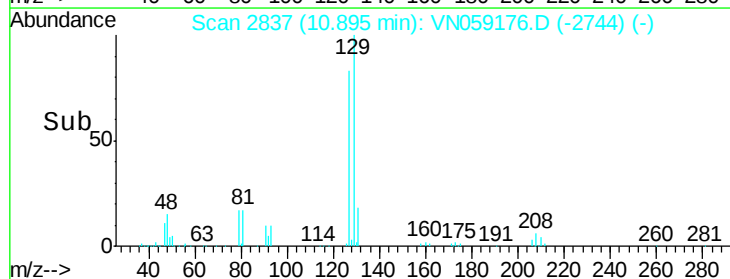
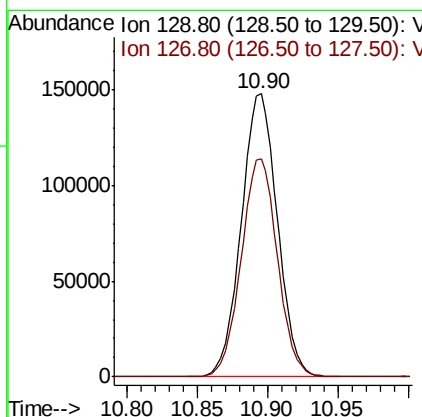
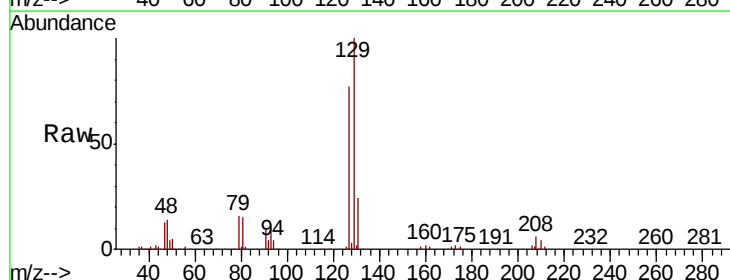
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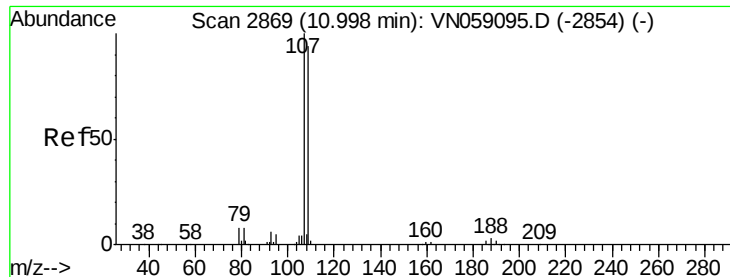
MMDadoda
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#60
Dibromochloromethane
Concen: 52.593 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 129 Resp: 265576
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





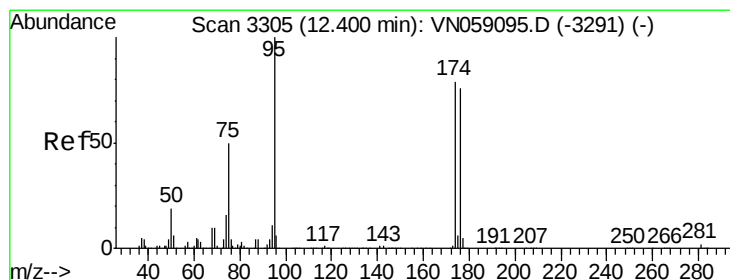
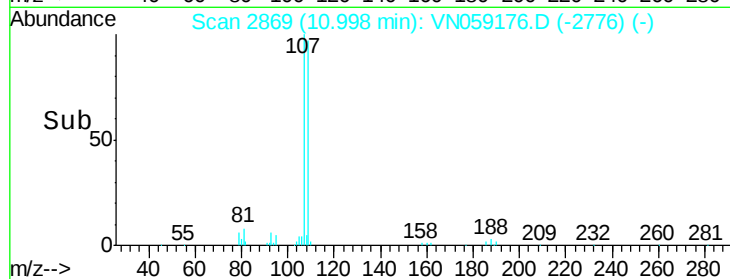
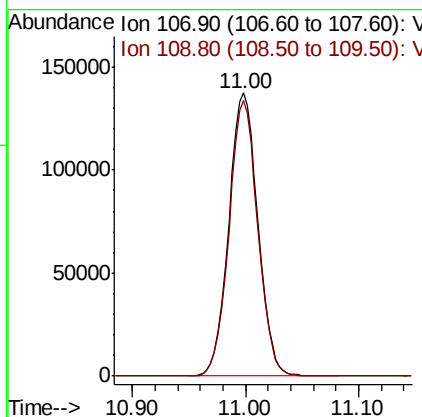
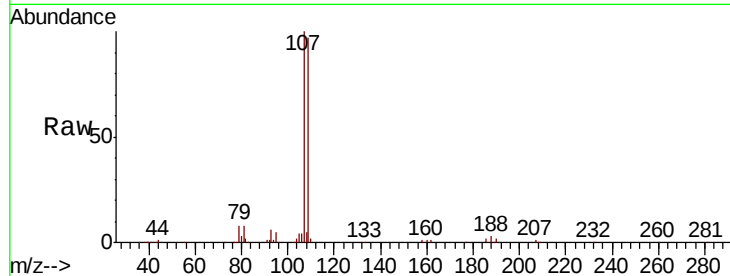
#61
 1,2-Dibromoethane
 Concen: 50.799 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.5	113.3

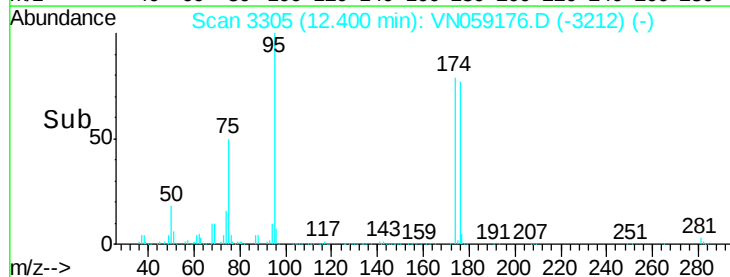
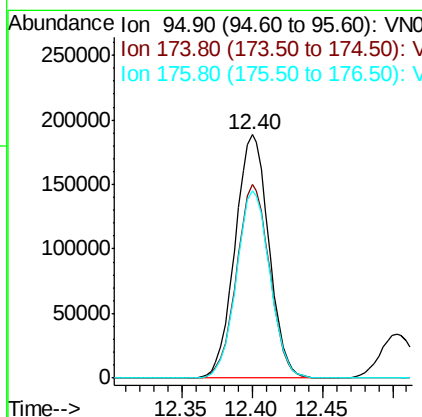
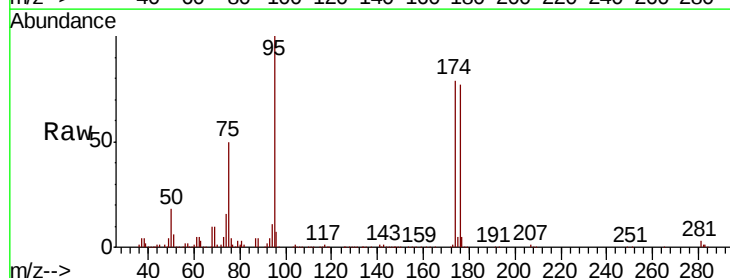
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#62
 4-Bromofluorobenzene
 Concen: 53.436 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	158.2
176	76.0	0.0	151.8





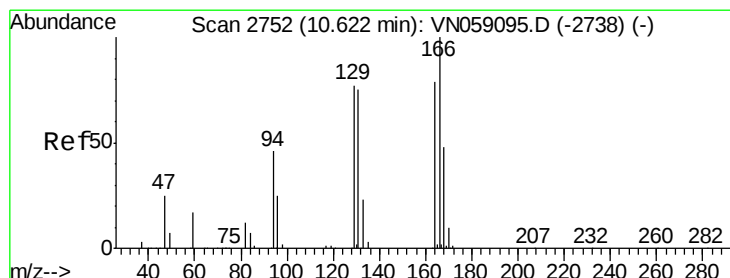
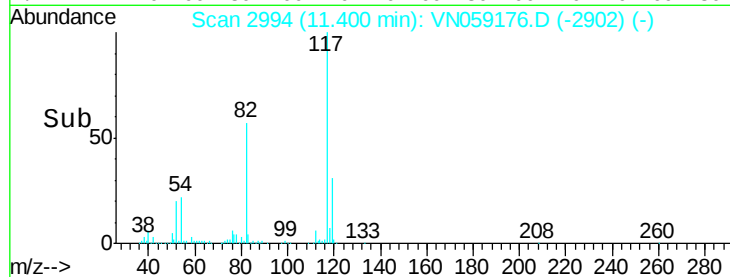
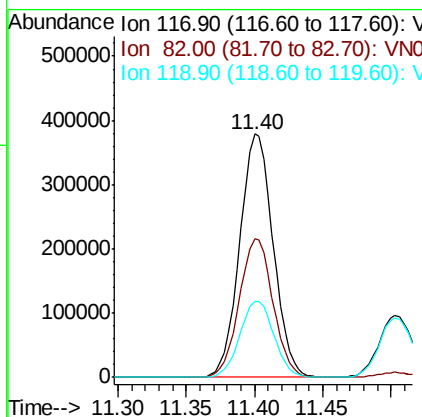
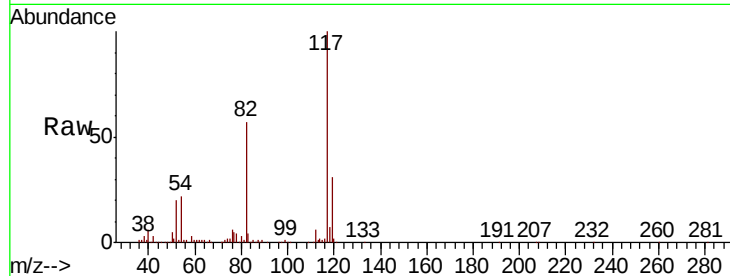
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.8	68.8
119	31.2	25.8	38.6

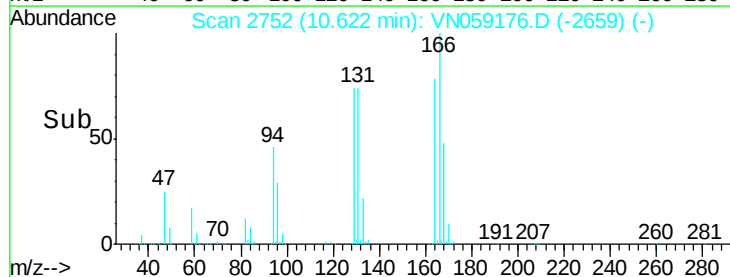
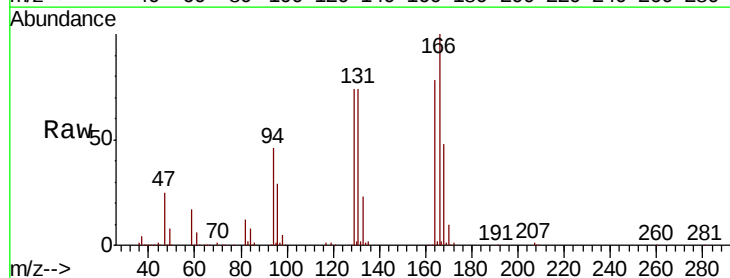
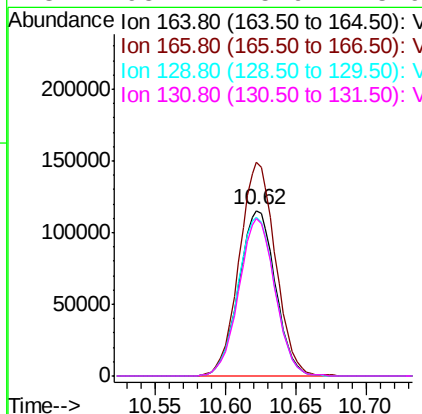
Manual Integrations
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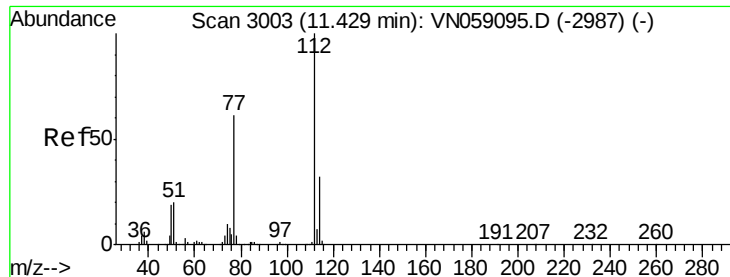
MMDadoda
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#64
Tetrachloroethene
Concen: 47.750 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.5	152.3
129	96.1	78.3	117.5
131	95.1	75.9	113.9





#65

Chlorobenzene

Concen: 49.939 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 628986

Ion Ratio Lower Upper

112 100

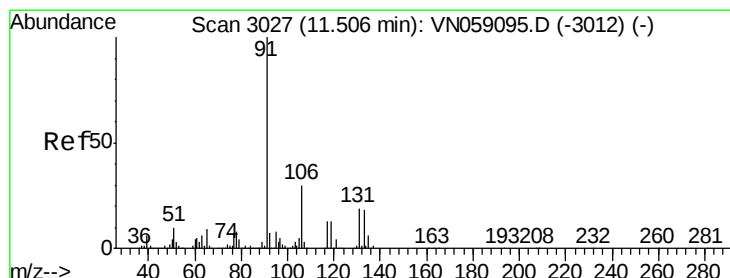
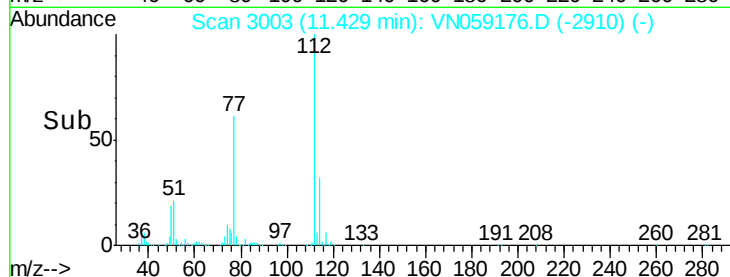
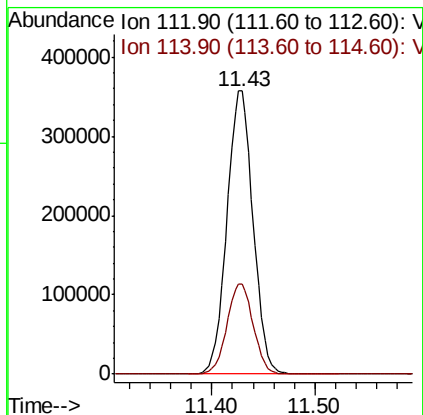
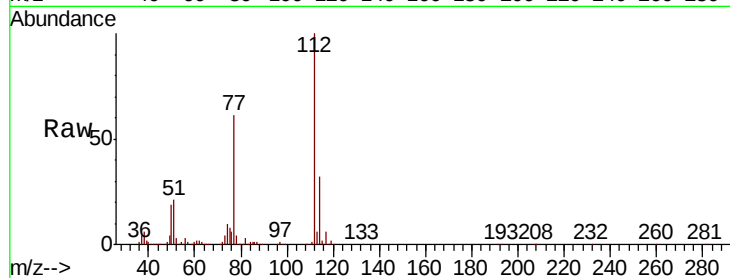
114 31.7 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.653 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

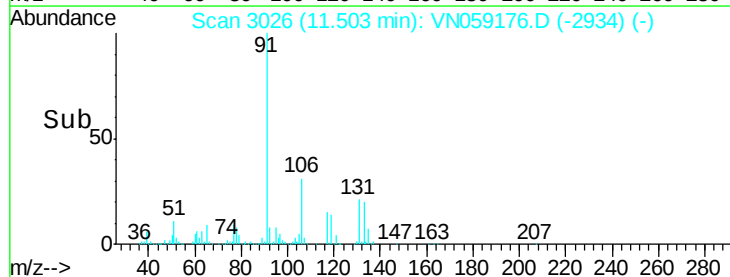
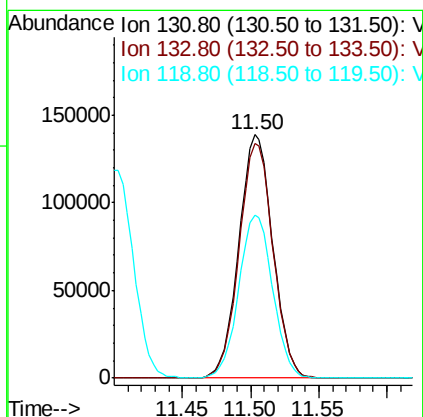
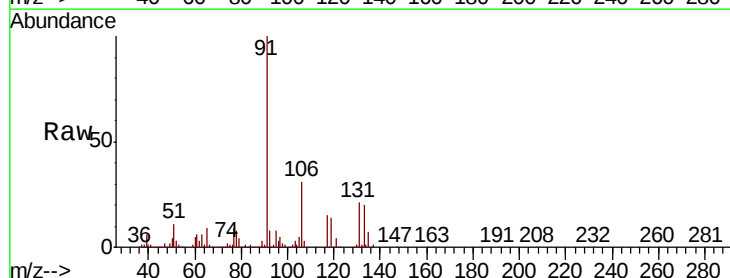
Tgt Ion:131 Resp: 239317

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

119 67.0 33.2 99.6





#67

Ethyl Benzene

Concen: 51.567 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1152346

Ion Ratio Lower Upper

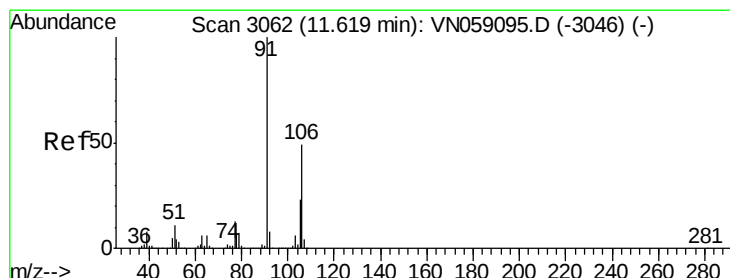
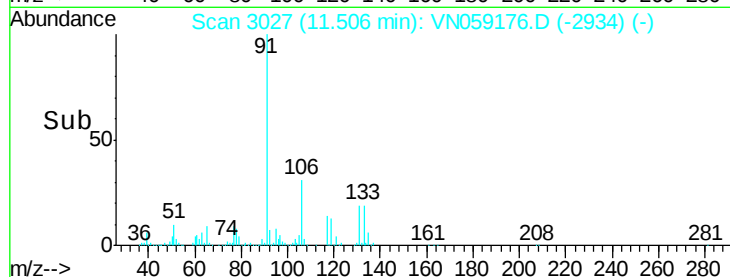
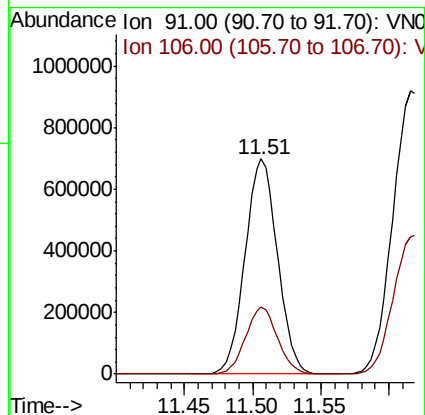
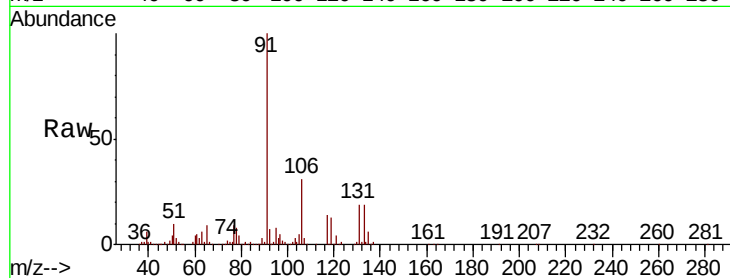
91 100

106 30.9 24.1 36.1

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#68

m/p-Xylenes

Concen: 102.653 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059176.D

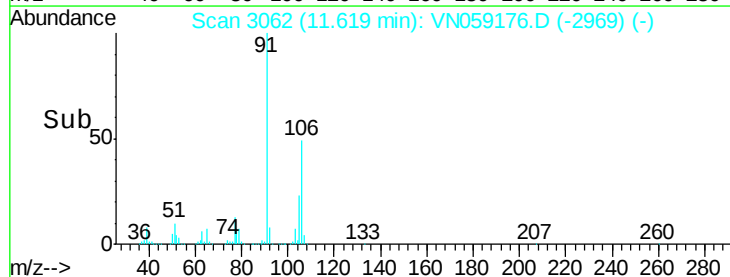
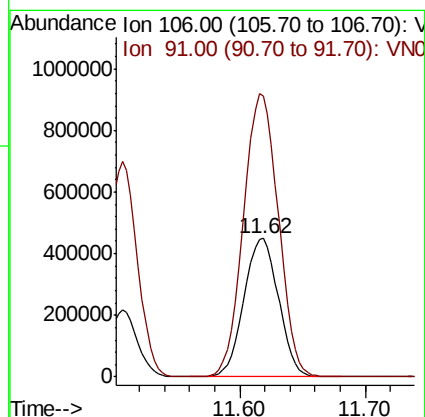
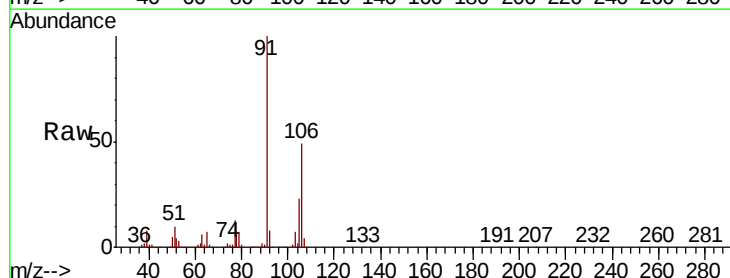
Acq: 12 Nov 2019 9:24

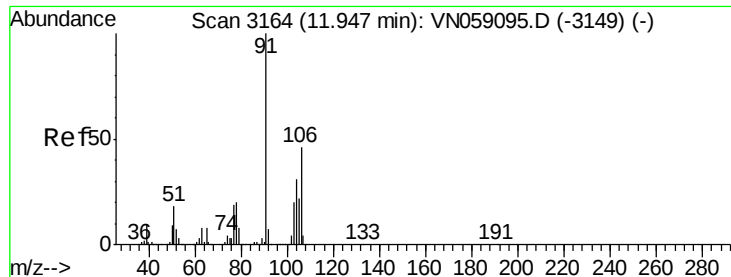
Tgt Ion: 106 Resp: 859277

Ion Ratio Lower Upper

106 100

91 206.4 164.7 247.1





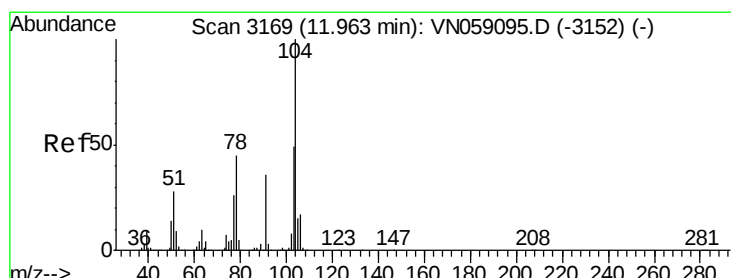
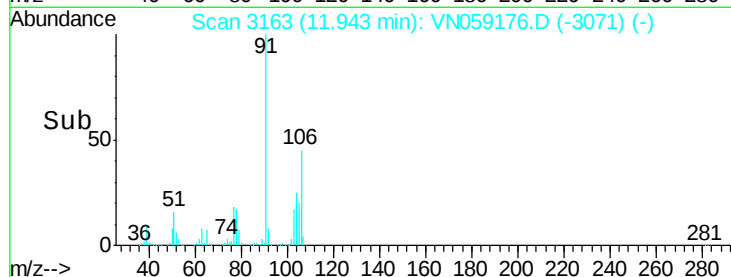
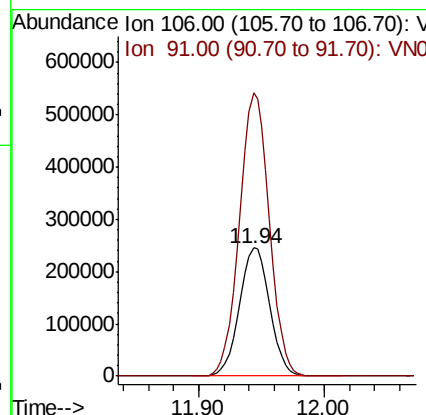
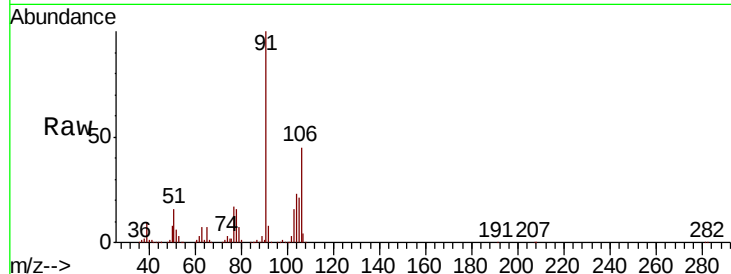
#69
o-Xylene
Concen: 50.982 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.5	110.1	330.3		

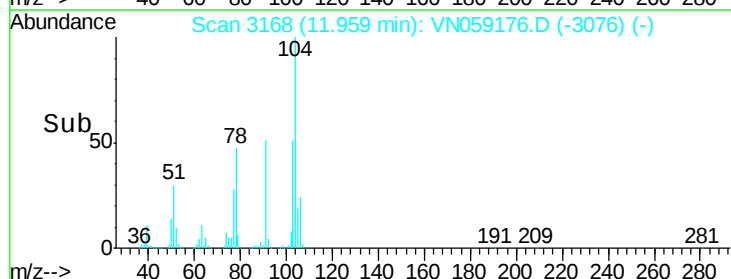
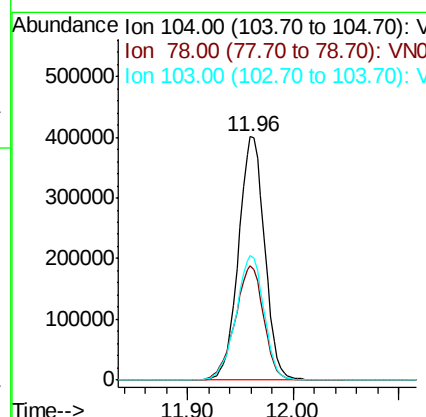
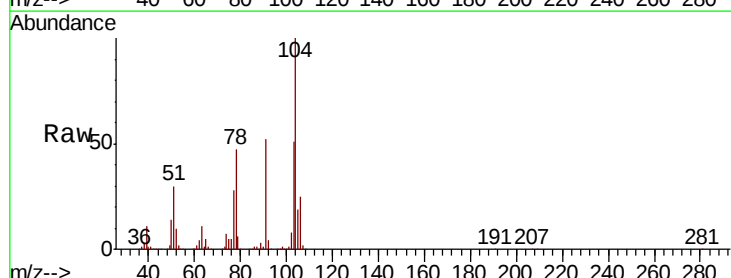
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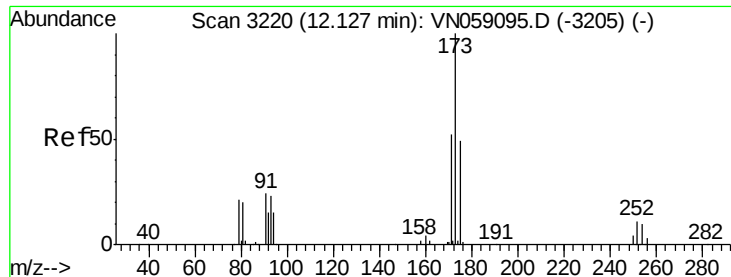
MMDadoda
11/13/2019 12:07:55 PM



#70
Styrene
Concen: 53.962 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.2	41.2	61.8		
103	54.9	43.8	65.6		





#71

Bromoform

Concen: 52.407 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

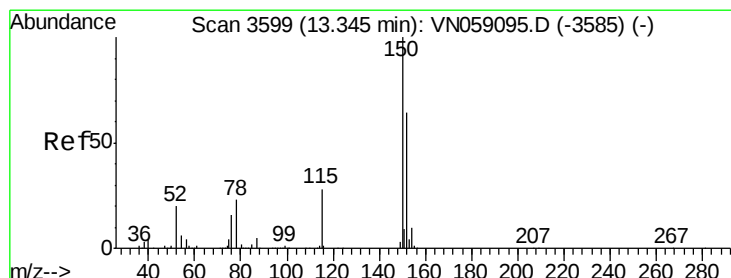
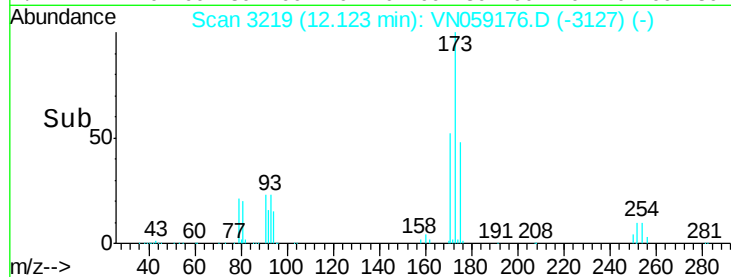
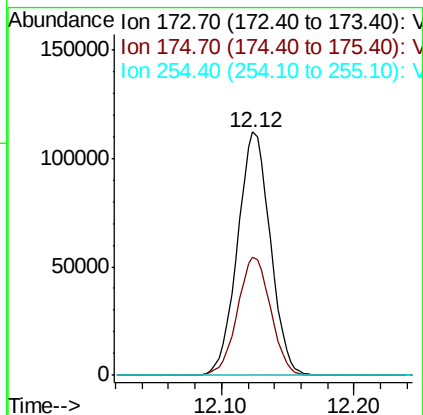
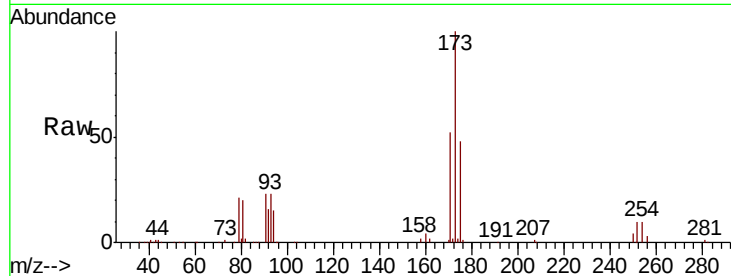
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

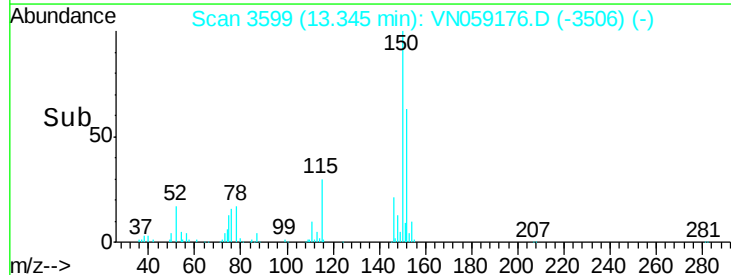
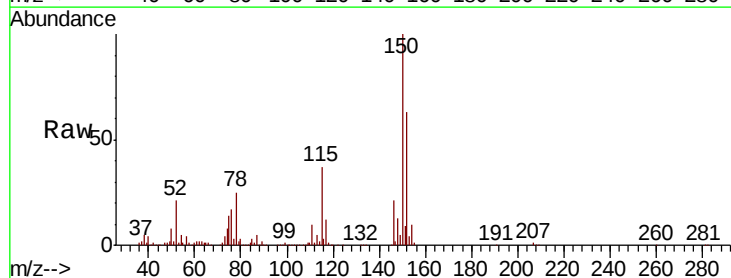
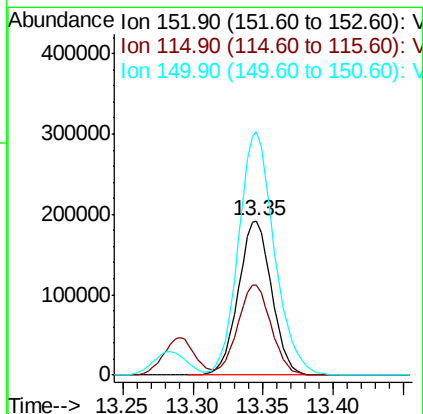
RT: 13.35 min Scan# 3599

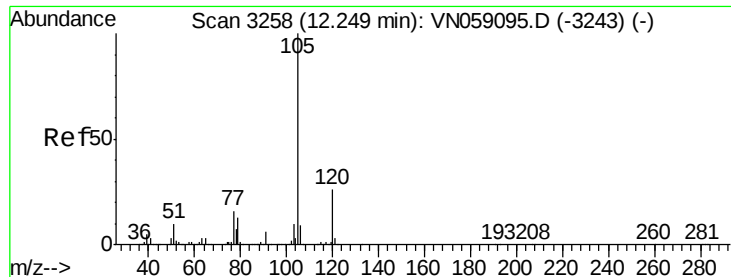
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.4	88.2
150	170.2	0.0	345.8





#73

Isopropylbenzene

Concen: 48.515 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1117447

Ion Ratio Lower Upper

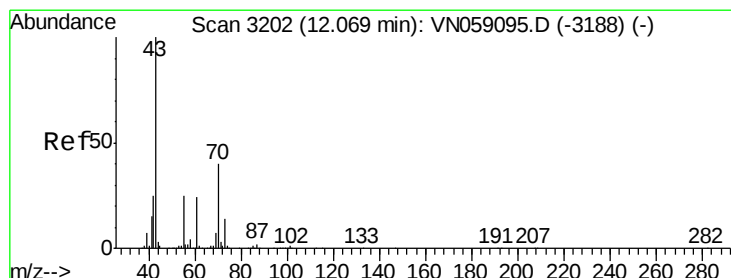
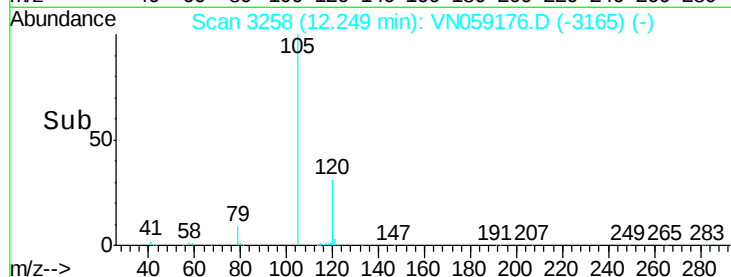
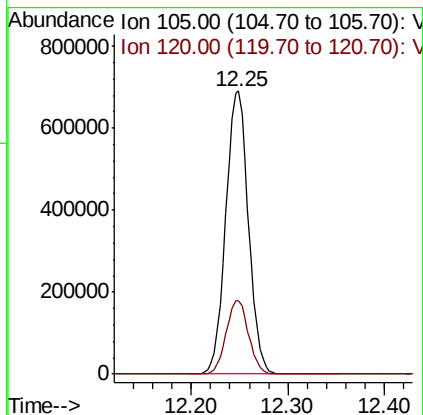
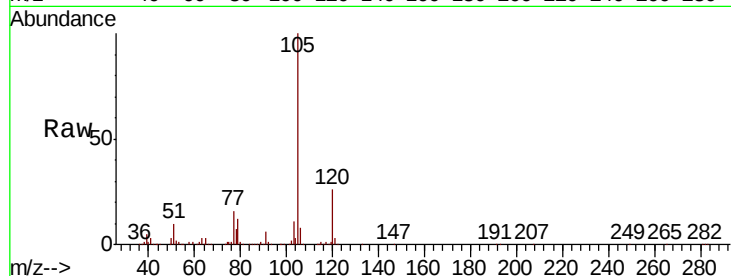
105 100

120 25.9 13.1 39.3

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#74

N-ethyl acetate

Concen: 50.754 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion: 43 Resp: 495359

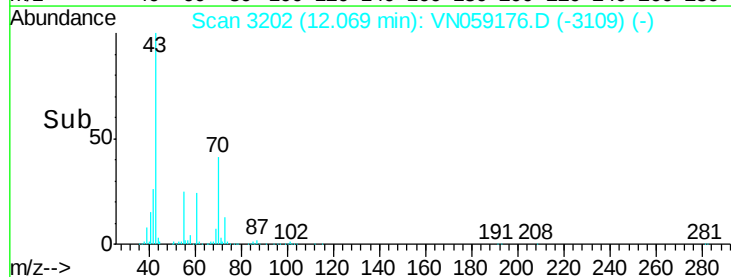
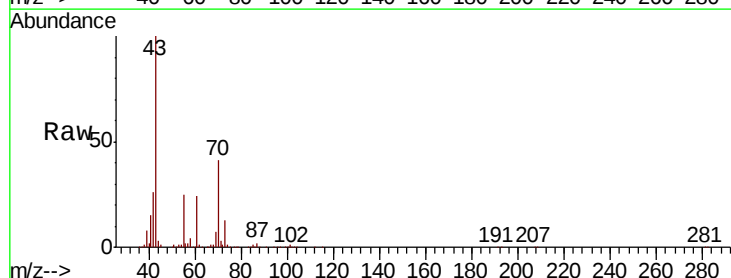
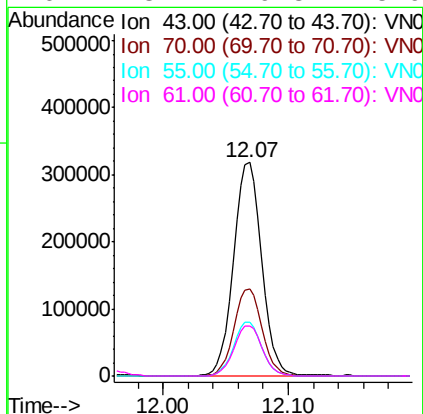
Ion Ratio Lower Upper

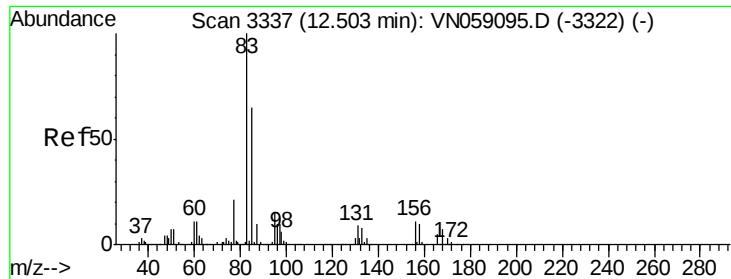
43 100

70 40.9 32.2 48.4

55 25.4 20.4 30.6

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.161 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

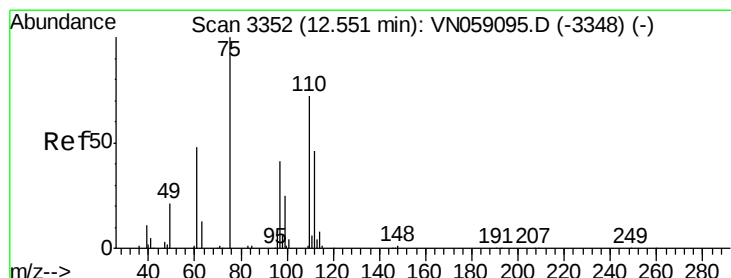
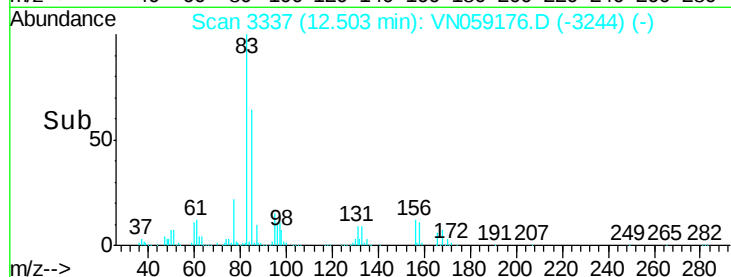
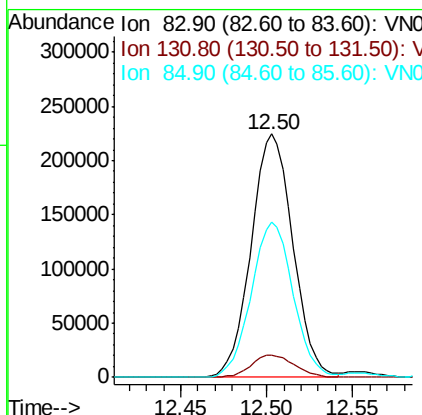
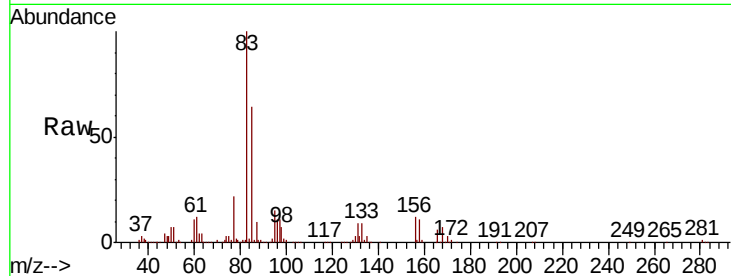
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	377766
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.6
85	63.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 47.923 ug/l m

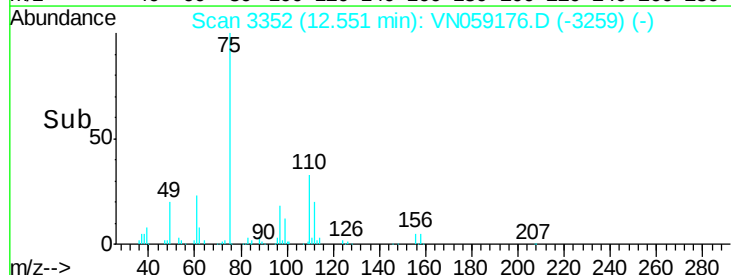
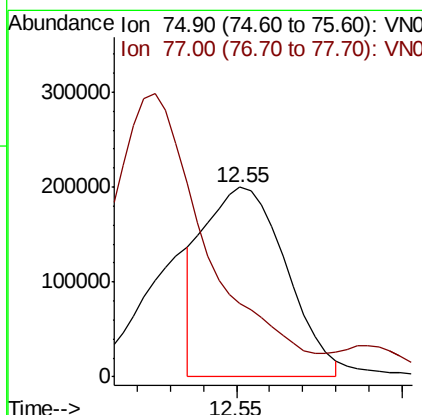
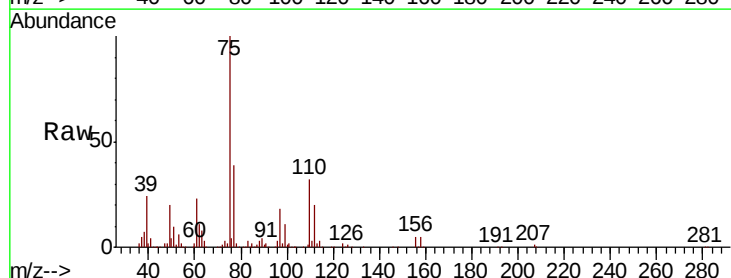
RT: 12.55 min Scan# 3352

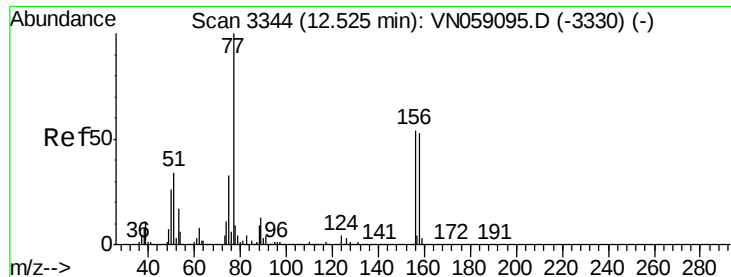
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion:	75	Resp:	345475
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.914 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

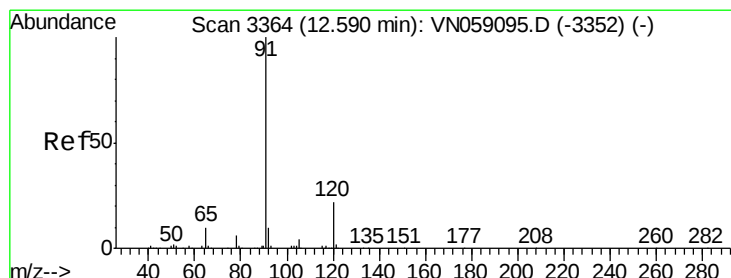
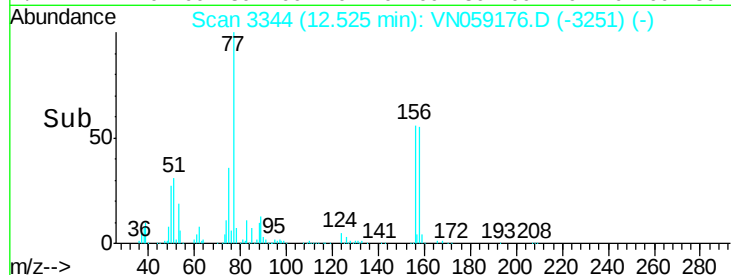
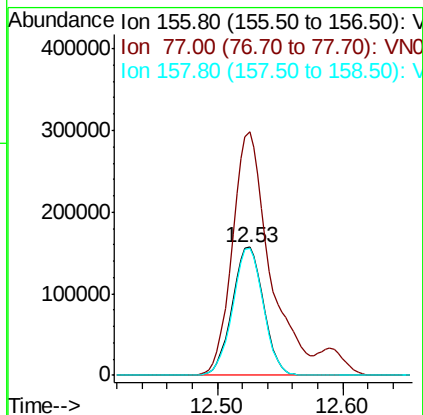
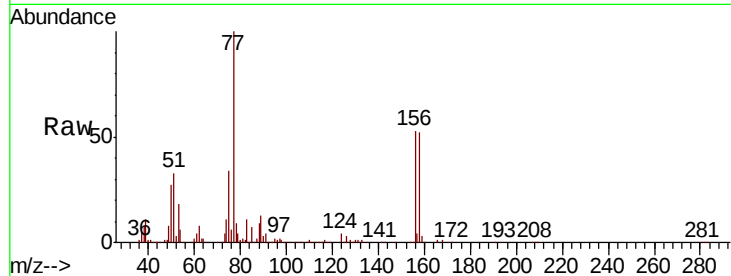
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	226.7	112.8	338.3
158	97.2	48.4	145.3

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#78

n-propylbenzene

Concen: 50.366 ug/l

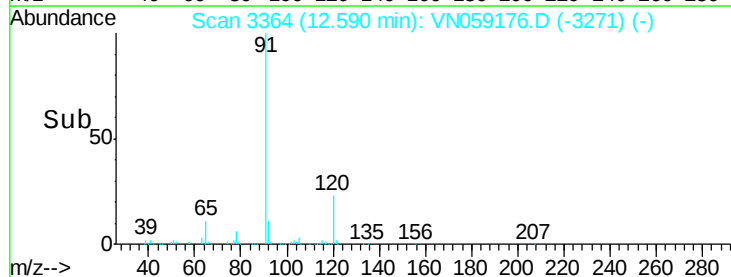
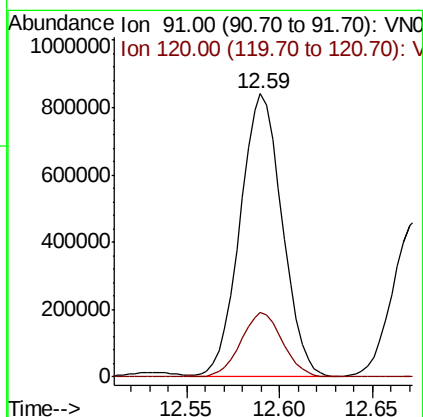
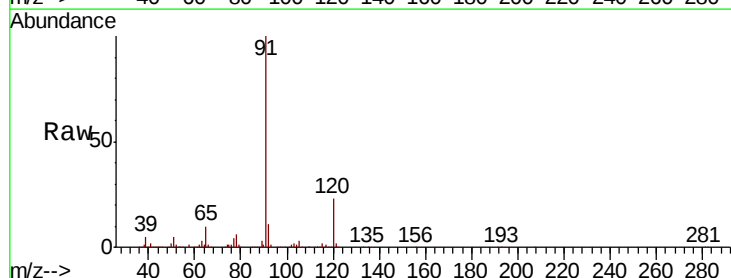
RT: 12.59 min Scan# 3364

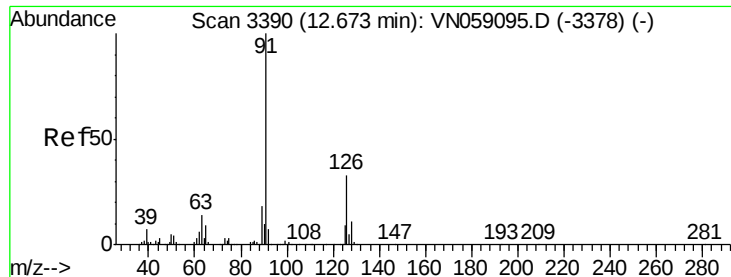
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.117 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 787222

Ion Ratio Lower Upper

91 100

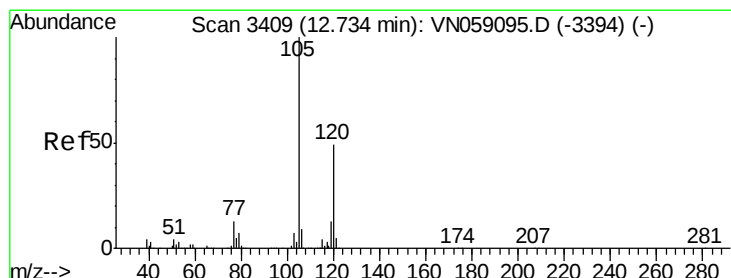
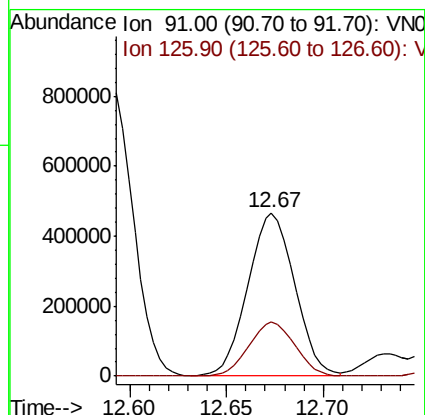
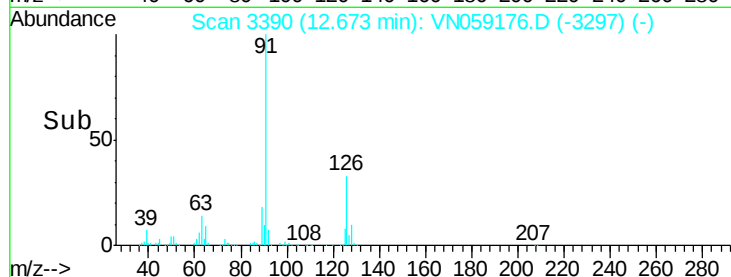
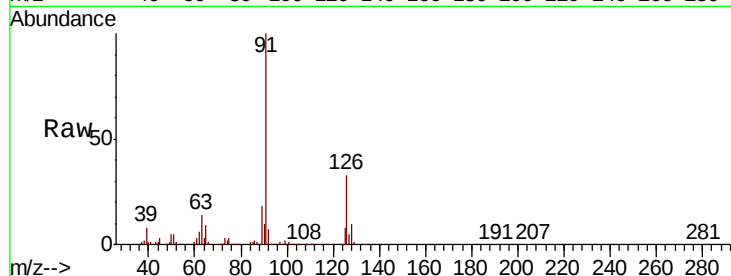
126 32.7 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 49.182 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059176.D

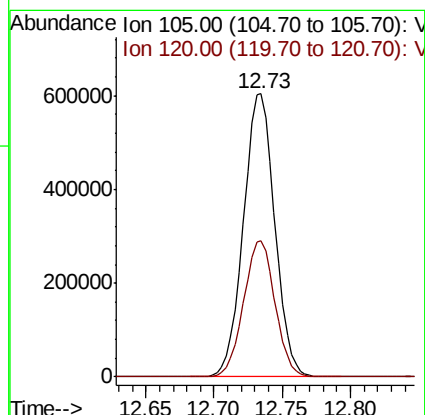
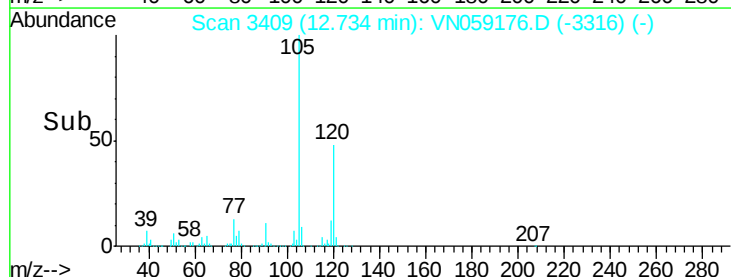
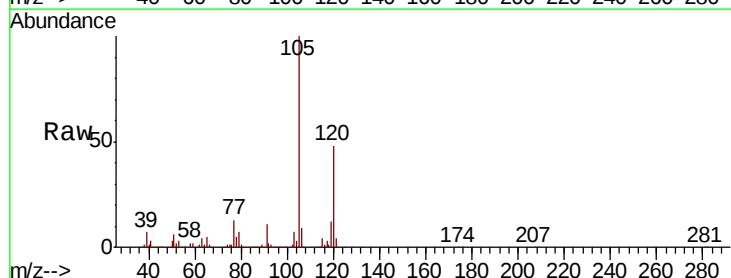
Acq: 12 Nov 2019 9:24

Tgt Ion: 105 Resp: 959894

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0





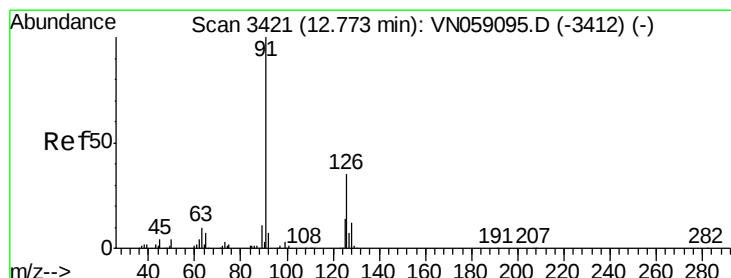
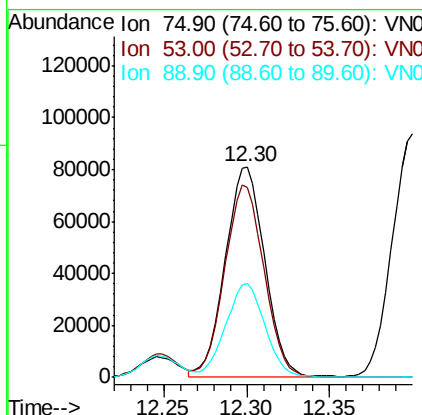
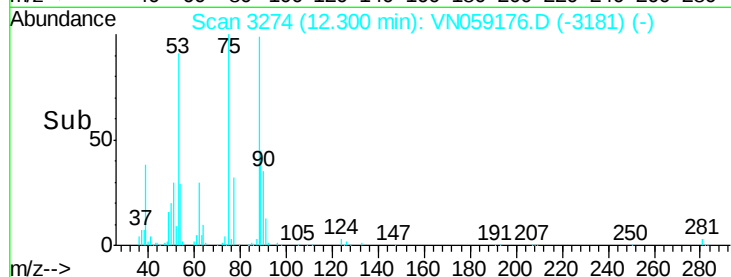
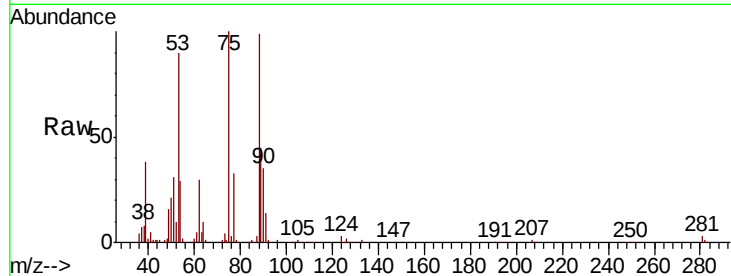
#81
trans-1,4-Dichloro-2-butene
Concen: 49.139 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.5	72.2	108.2
89	44.5	35.8	53.8

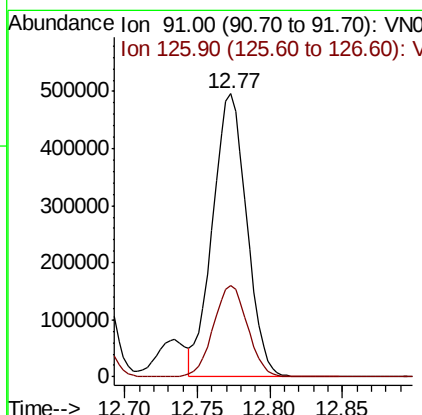
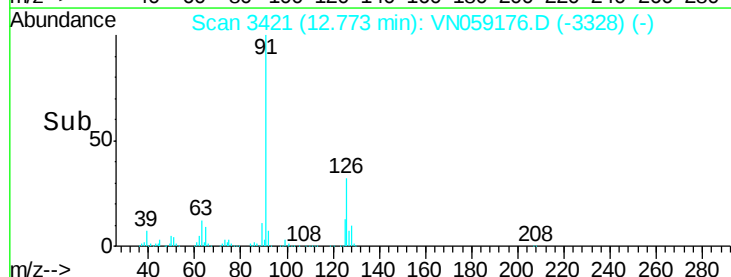
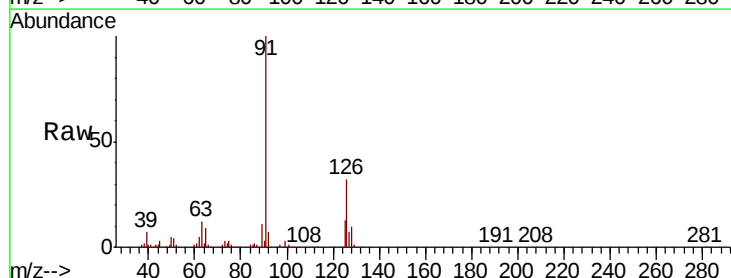
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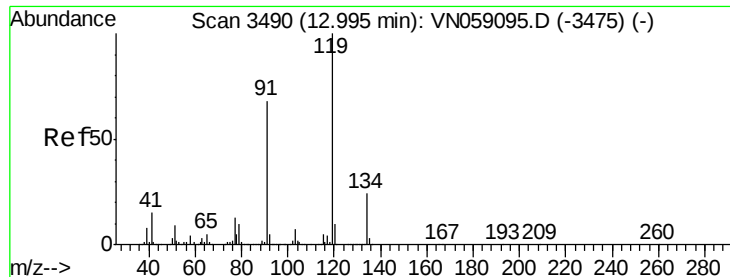
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#82
4-Chlorotoluene
Concen: 49.151 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





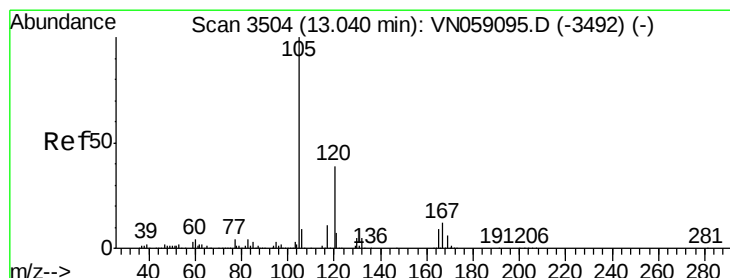
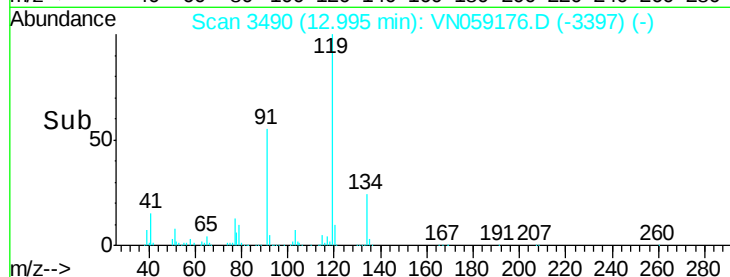
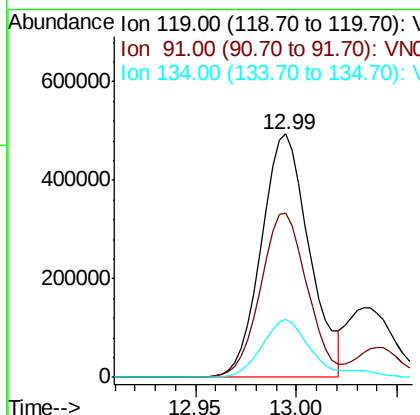
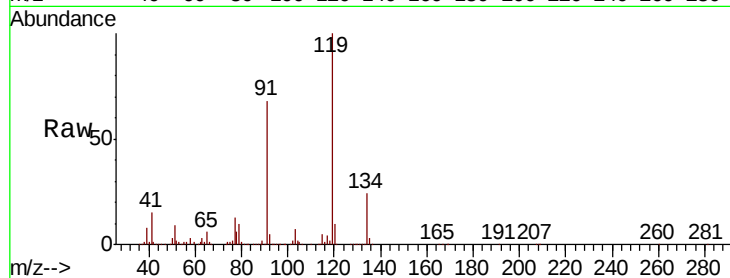
#83
tert-Butylbenzene
Concen: 48.570 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.2	99.6
134	23.3	12.7	38.1

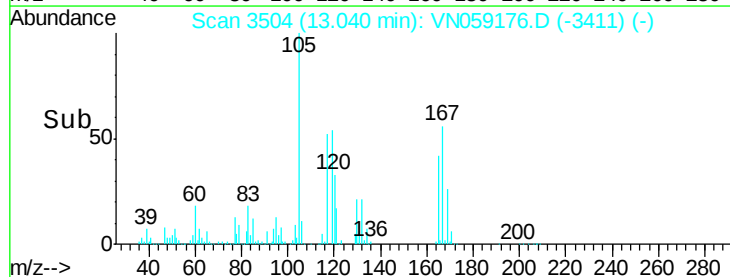
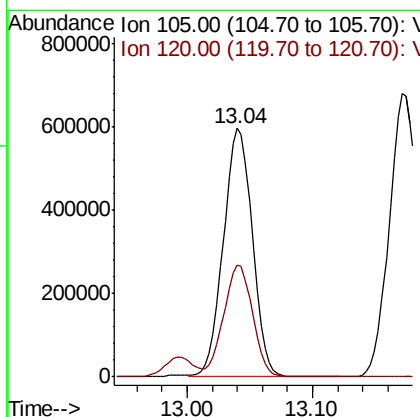
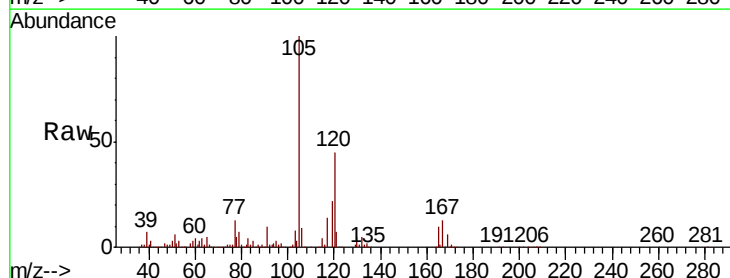
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#84
1,2,4-Trimethylbenzene
Concen: 50.457 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4





#85

sec-Butylbenzene

Concen: 49.805 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1091731

Ion Ratio Lower Upper

105 100

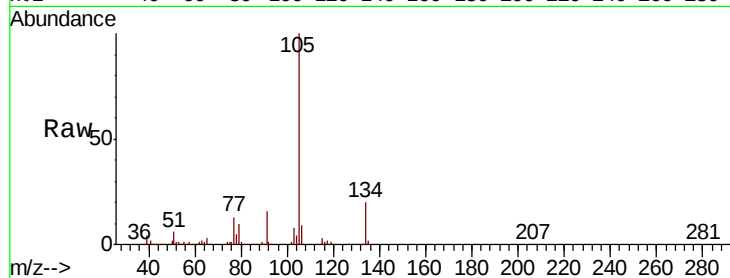
134 19.8 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

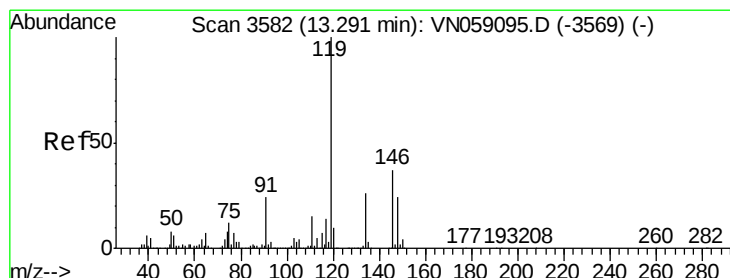
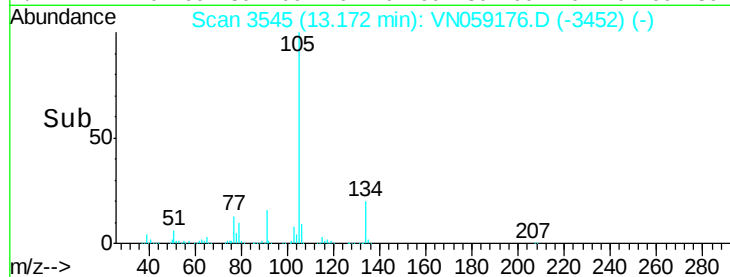
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 51.629 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

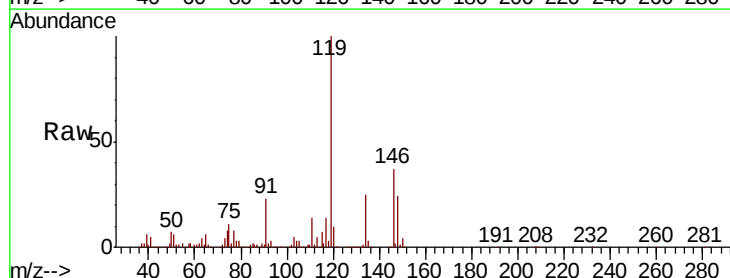
Tgt Ion:119 Resp: 999263

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 23.4 11.7 35.1



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

800000

600000

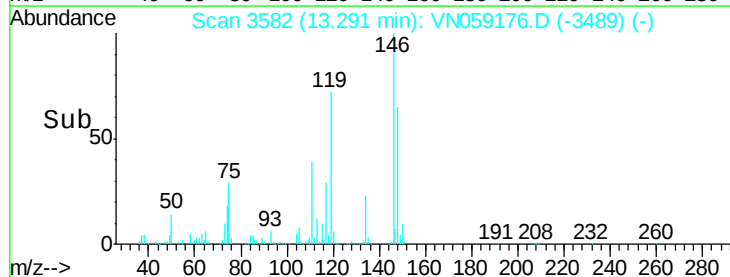
400000

200000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.354 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059176.D

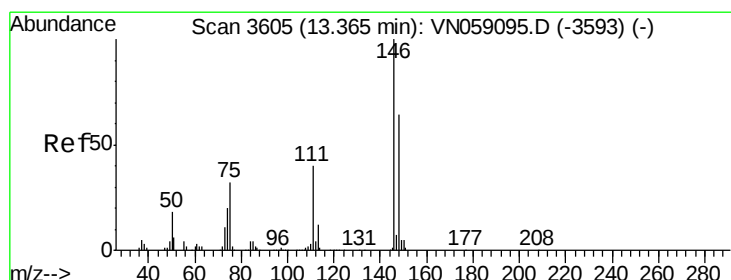
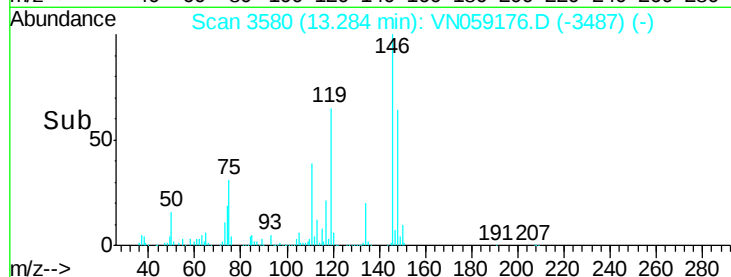
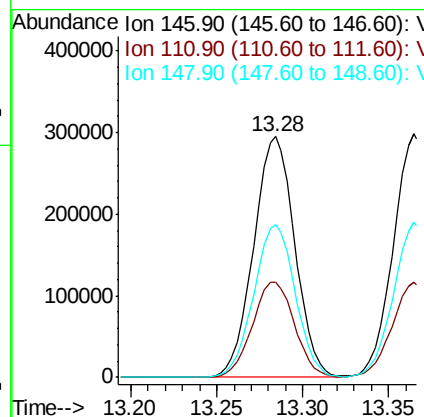
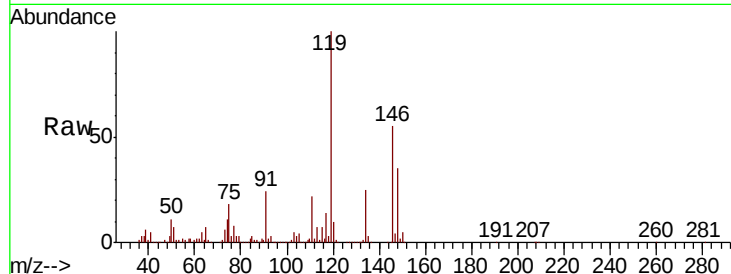
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	64.0	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.963 ug/l

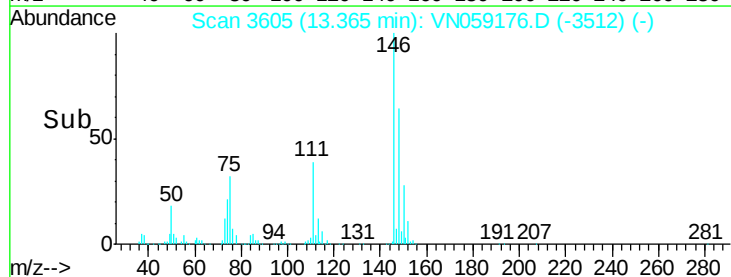
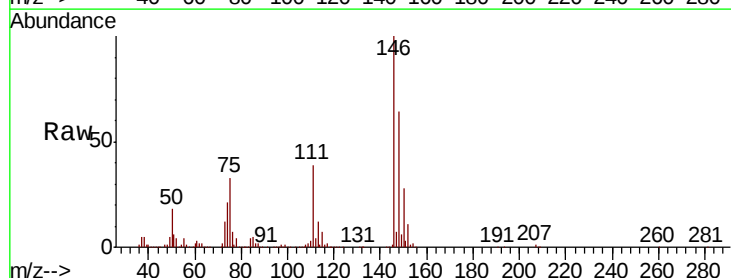
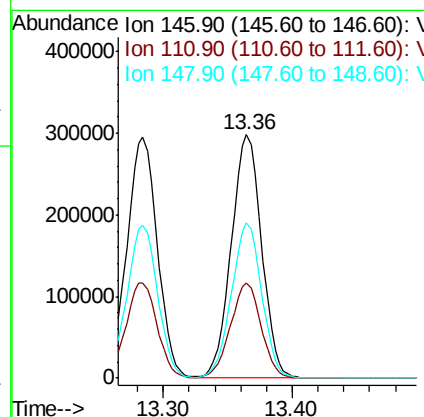
RT: 13.36 min Scan# 3605

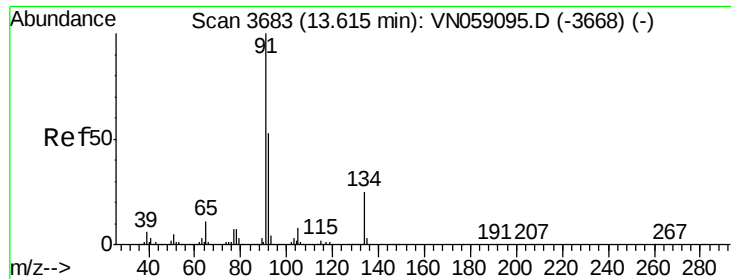
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.9
148	63.8	31.9	95.7





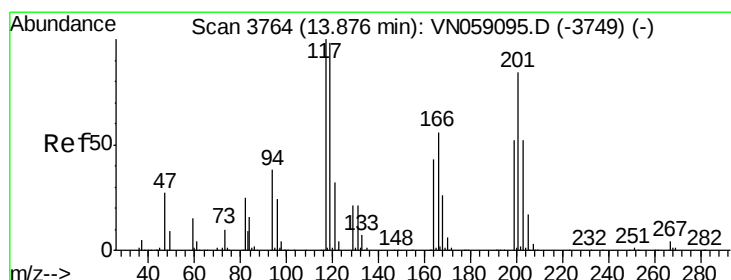
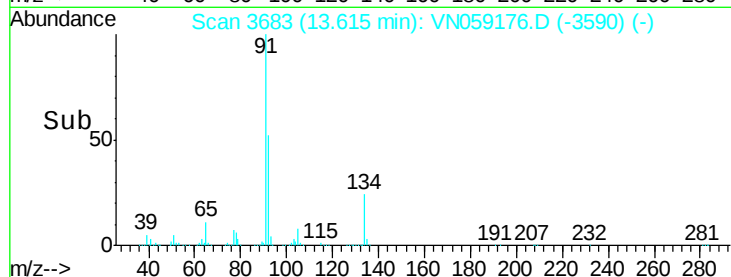
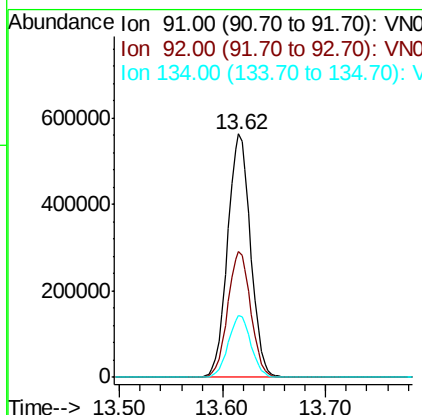
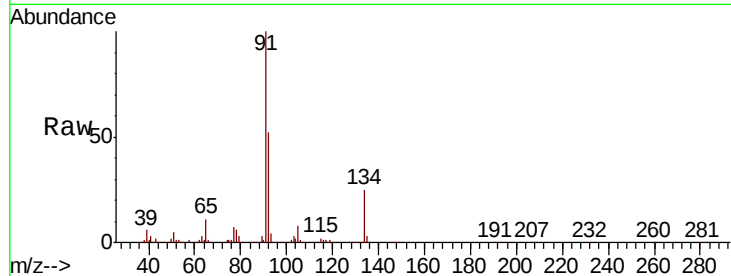
#89
n-Butylbenzene
Concen: 51.432 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	25.1	12.6	37.8

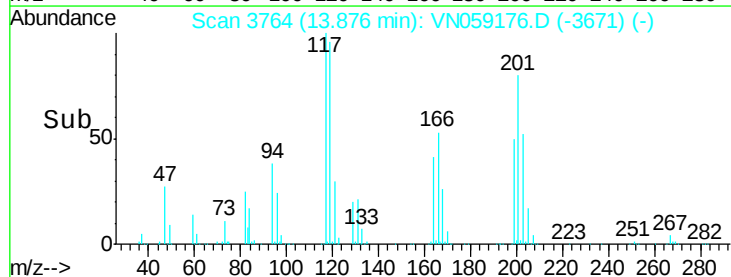
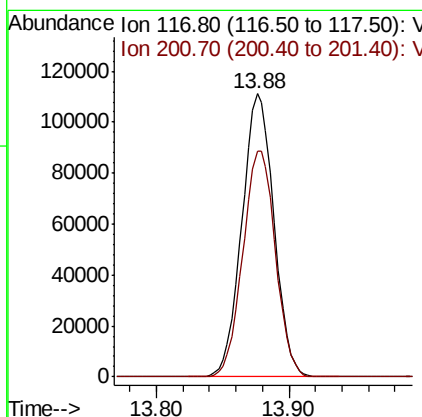
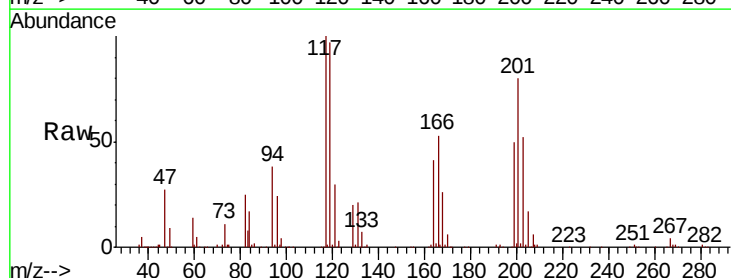
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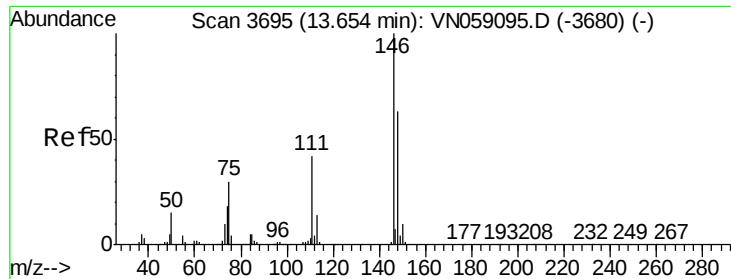
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#90
Hexachloroethane
Concen: 47.896 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	41.8	125.3





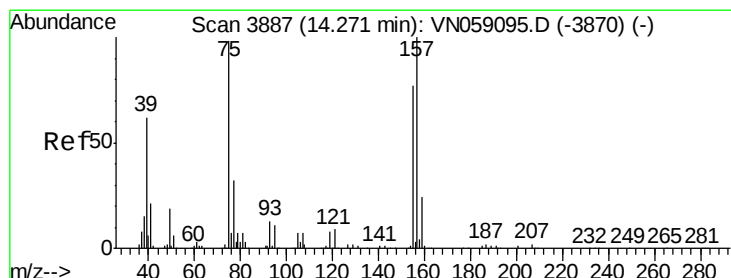
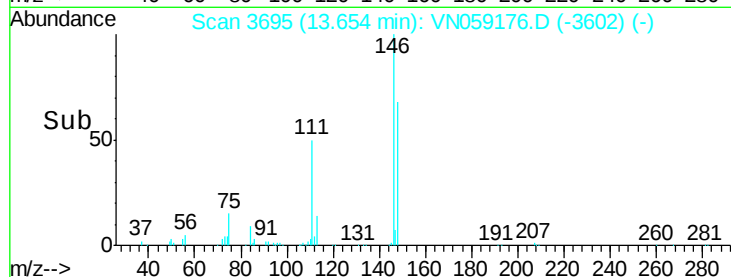
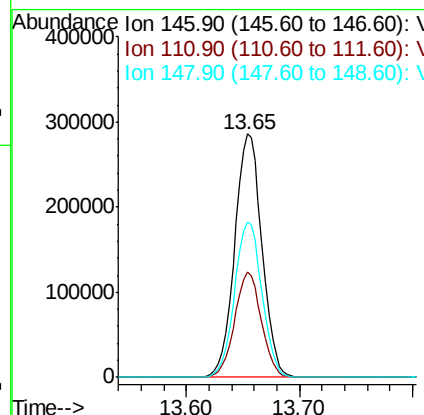
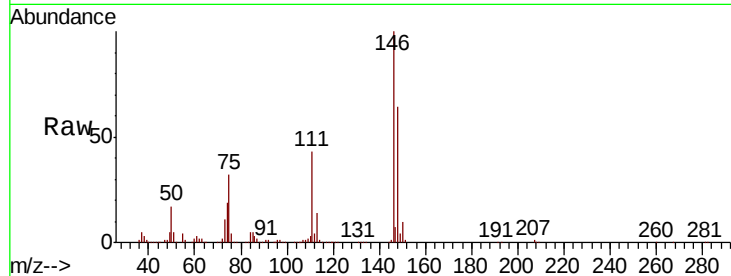
#91
 1,2-Dichlorobenzene
 Concen: 49.051 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	64.3	31.6	94.7

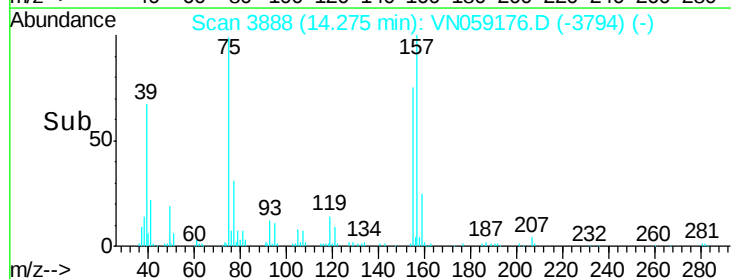
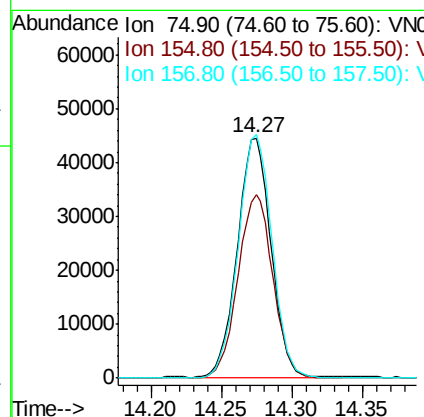
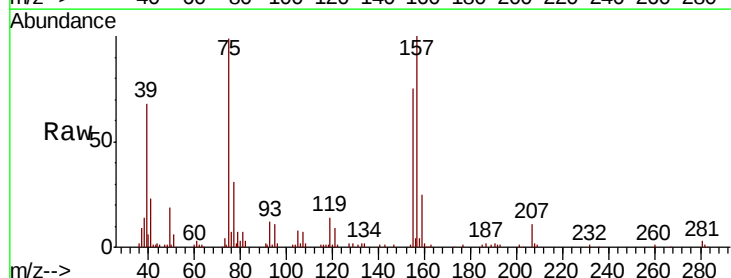
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.327 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	40.2	120.6
157	102.6	51.8	155.5





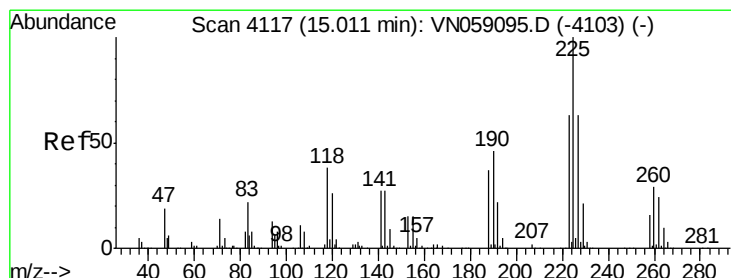
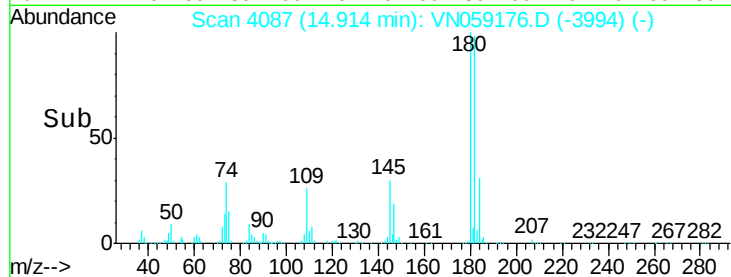
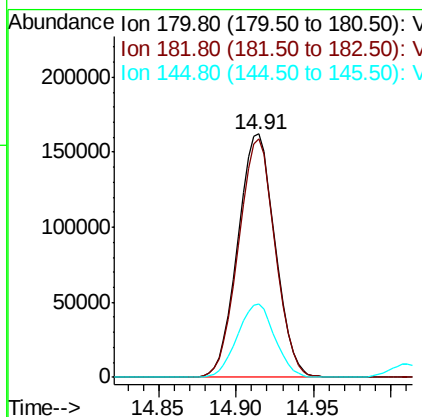
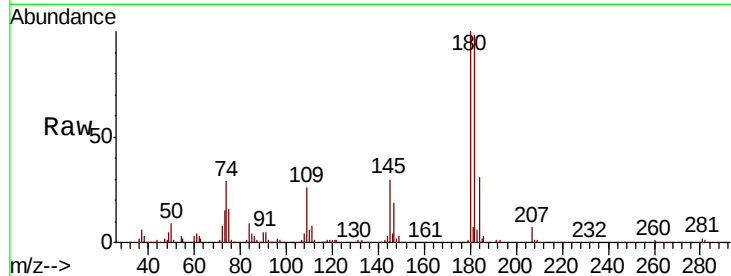
#93
1,2,4-Trichlorobenzene
Concen: 46.142 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	271419		
182	96.6	48.1	144.3	
145	30.4	15.1	45.3	

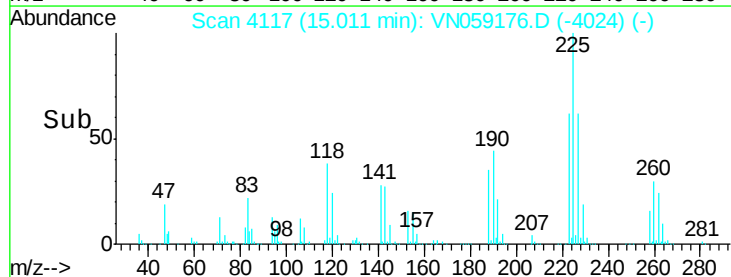
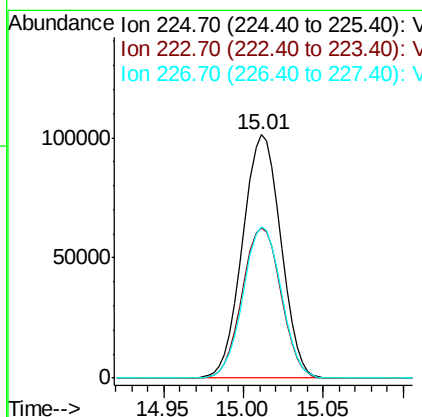
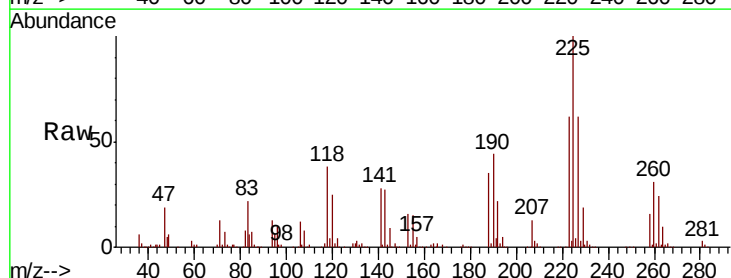
Manual Integrations
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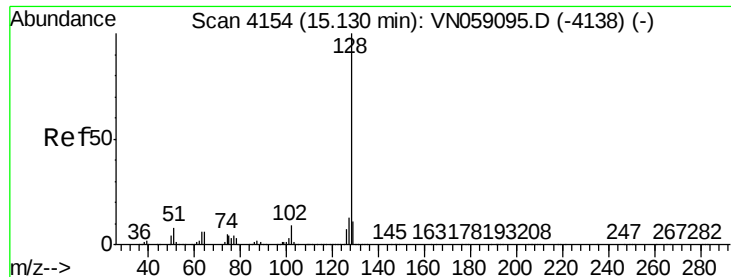
MMDadoda
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#94
Hexachlorobutadiene
Concen: 49.220 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165438		
223	62.6	31.3	93.9	
227	62.0	31.5	94.5	





#95

Naphthalene

Concen: 45.099 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

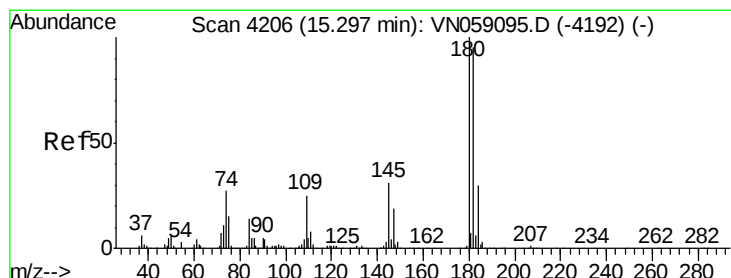
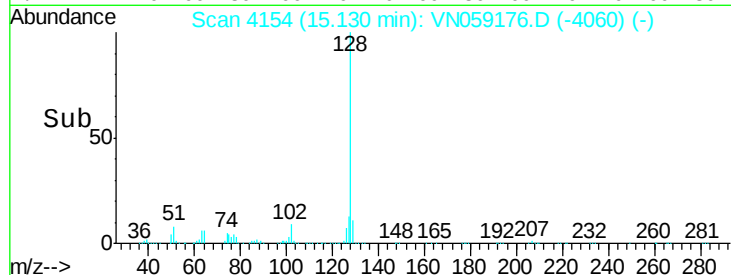
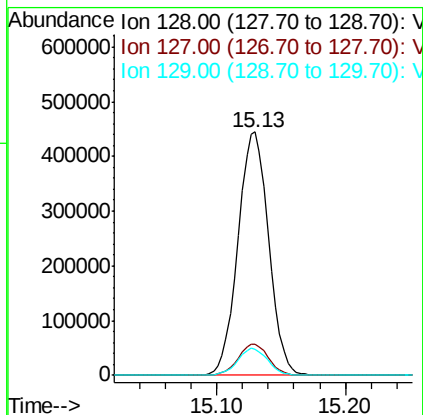
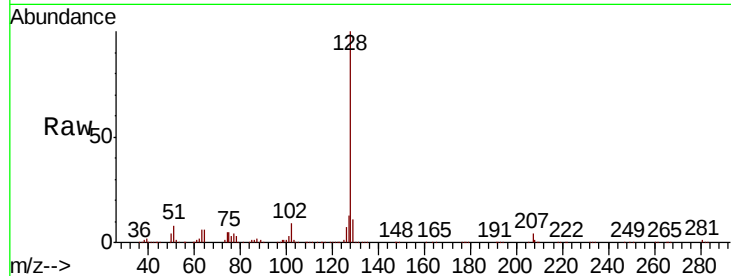
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	734801
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/13/2019 12:07:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.003 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion:	180	Resp:	273165
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.3	141.8
145	31.6	15.8	47.3

