

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\
 Data File : VN058984.D
 Acq On : 28 Oct 2019 9:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:52:58 PM

Quant Time: Oct 29 13:39:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	405324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	622191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	282011	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.57	113	212551	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.08	98	816440	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	306991	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	229658	45.445	ug/l	100
3) Chloromethane	2.04	50	294405	47.038	ug/l	99
4) Vinyl Chloride	2.17	62	303511	48.839	ug/l	100
5) Bromomethane	2.54	94	164524	42.277	ug/l	97
6) Chloroethane	2.68	64	181641	45.578	ug/l	99
7) Trichlorofluoromethane	3.00	101	362671	47.165	ug/l	99
8) Diethyl Ether	3.39	74	139515	52.504	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	212049	49.744	ug/l	99
10) Methyl Iodide	3.93	142	256484	45.747	ug/l	98
11) Tert butyl alcohol	4.76	59	215332	218.279	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	199956	50.043	ug/l	98
13) Acrolein	3.58	56	176651	260.613	ug/l	98
14) Allyl chloride	4.29	41	417130	51.590	ug/l	95
15) Acrylonitrile	4.96	53	631252	254.389	ug/l	98
16) Acetone	3.79	43	751836	255.942	ug/l	98
17) Carbon Disulfide	4.03	76	581242	45.158	ug/l	100
18) Methyl Acetate	4.29	43	329448	49.330	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	737379	52.703	ug/l	100
20) Methylene Chloride	4.53	84	244491	48.743	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	220820	50.042	ug/l	95
22) Diisopropyl ether	5.92	45	863960	54.629	ug/l	97
23) Vinyl Acetate	5.87	43	3475963	273.564	ug/l	100
24) 1,1-Dichloroethane	5.82	63	458717	50.022	ug/l	100
25) 2-Butanone	6.81	43	919178	241.051	ug/l	100
26) 2,2-Dichloropropane	6.80	77	399057	50.310	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	255499	50.685	ug/l	100
28) Bromochloromethane	7.17	49	150280	49.207	ug/l	99
29) Tetrahydrofuran	7.19	42	565780	242.546	ug/l	100
30) Chloroform	7.35	83	447529	48.651	ug/l	99
31) Cyclohexane	7.63	56	397140	46.487	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	381527	49.207	ug/l	99
36) 1,1-Dichloropropene	7.77	75	331663	52.067	ug/l	99
37) Ethyl Acetate	6.90	43	351864	50.695	ug/l	99
38) Carbon Tetrachloride	7.75	117	333636	50.842	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	377041	52.715	ug/l	99
40) Benzene	8.02	78	1004832	53.719	ug/l	100
41) Methacrylonitrile	7.16	41	176890m	57.222	ug/l	
42) 1,2-Dichloroethane	8.10	62	361496	50.170	ug/l	100
43) Isopropyl Acetate	8.15	43	576832	51.820	ug/l	100
44) Trichloroethene	8.82	130	239936	52.658	ug/l	99
45) 1,2-Dichloropropane	9.10	63	276852	53.975	ug/l	99
46) Dibromomethane	9.19	93	168504	51.966	ug/l	98
47) Bromodichloromethane	9.39	83	354905	53.104	ug/l	99
48) Methyl methacrylate	9.19	41	263310	52.137	ug/l	97
49) 1,4-Dioxane	9.19	88	84819	1023.074	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1775507	273.077	ug/l	99
52) Toluene	10.15	92	606905	54.713	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	403401	54.525	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	434783	55.006	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	240319	52.591	ug/l	98
56) Ethyl methacrylate	10.42	69	376142	49.045	ug/l	97
57) 1,3-Dichloropropane	10.70	76	426658	53.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	881584	271.485	ug/l	100
59) 2-Hexanone	10.75	43	1351909	269.080	ug/l	98
60) Dibromochloromethane	10.90	129	266586	54.201	ug/l	98
61) 1,2-Dibromoethane	11.00	107	246686	52.751	ug/l	100
64) Tetrachloroethene	10.63	164	215923	52.421	ug/l	97
65) Chlorobenzene	11.43	112	639985	53.448	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	242866	53.749	ug/l	100
67) Ethyl Benzene	11.51	91	1187427	56.530	ug/l	99
68) m/p-Xylenes	11.62	106	876684	112.544	ug/l	99
69) o-Xylene	11.95	106	417006	56.130	ug/l	99
70) Styrene	11.96	104	704929	51.356	ug/l	99
71) Bromoform	12.13	173	188853	53.899	ug/l	# 98
73) Isopropylbenzene	12.25	105	1146232	53.021	ug/l	99
74) N-amyl acetate	12.07	43	499282	50.942	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	367788	48.383	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	287485m	41.933	ug/l	
77) Bromobenzene	12.53	156	276666	51.921	ug/l	96
78) n-propylbenzene	12.59	91	1371449	53.668	ug/l	100
79) 2-Chlorotoluene	12.68	91	814645	52.087	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	996367	54.855	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	129598	49.244	ug/l	98
82) 4-Chlorotoluene	12.78	91	849406	53.144	ug/l	100
83) tert-Butylbenzene	13.00	119	838771	54.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1004719	56.081	ug/l	99
85) sec-Butylbenzene	13.17	105	1139087	55.006	ug/l	98
86) p-Isopropyltoluene	13.29	119	1036743	56.739	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	507408	53.255	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	500720	52.490	ug/l	99
89) n-Butylbenzene	13.62	91	937230	55.837	ug/l	100
90) Hexachloroethane	13.88	117	188968	51.037	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	497335	53.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74342	43.239	ug/l	98

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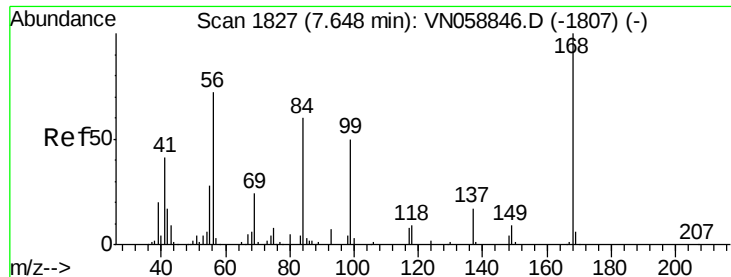
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	292394	49.618	ug/l	100
94) Hexachlorobutadiene	15.01	225	158164	52.108	ug/l	99
95) Naphthalene	15.13	128	770515	45.676	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	281793	49.142	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 405324

Ion Ratio Lower Upper

168 100

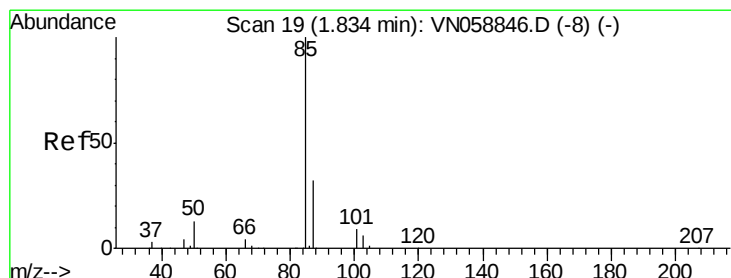
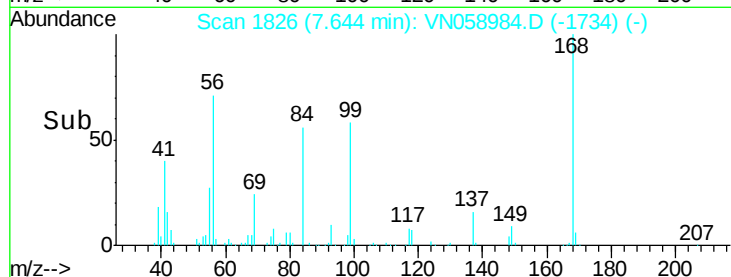
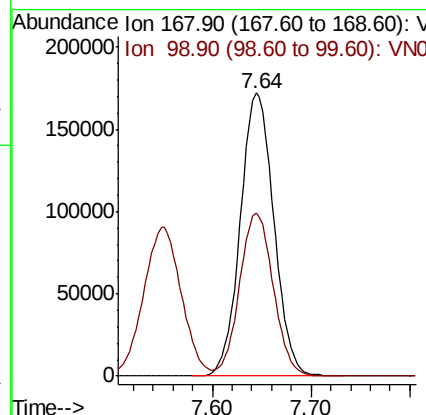
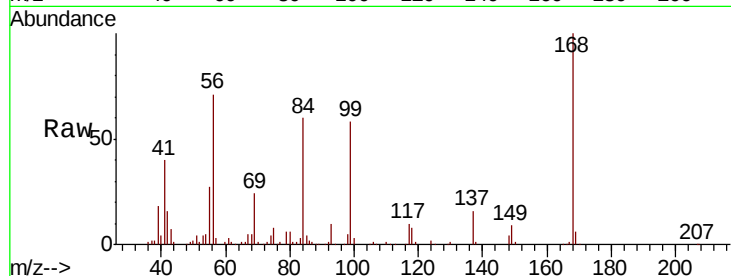
99 57.5 48.1 72.1

Manual Integrations

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10/30/2019 3:52:58 PM



#2

Dichlorodifluoromethane

Concen: 45.445 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058984.D

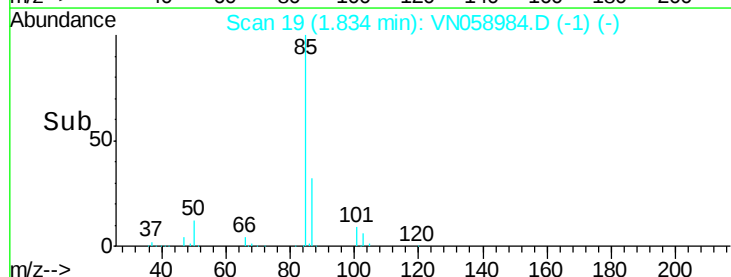
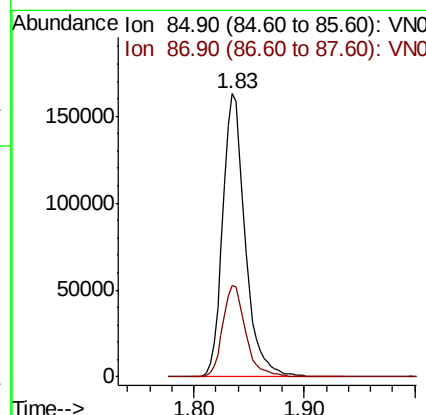
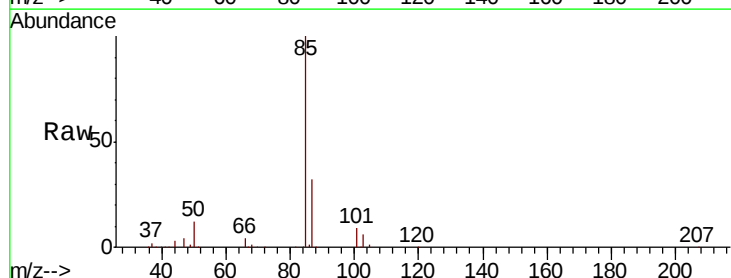
Acq: 28 Oct 2019 9:33

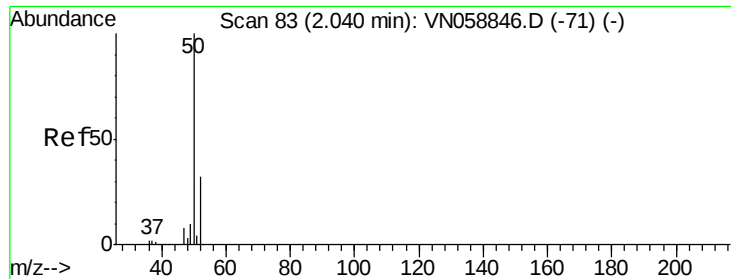
Tgt Ion: 85 Resp: 229658

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5





#3

Chloromethane

Concen: 47.038 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 294405

Ion Ratio Lower Upper

50 100

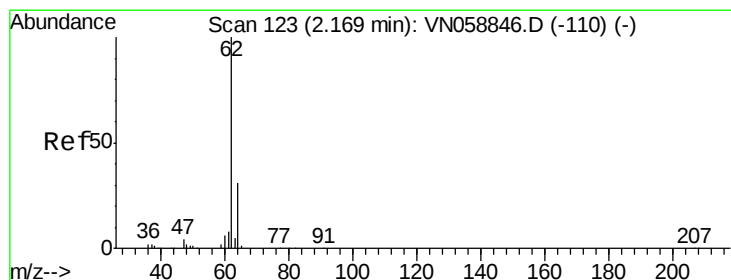
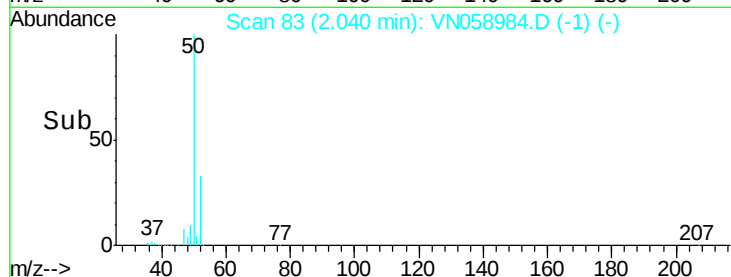
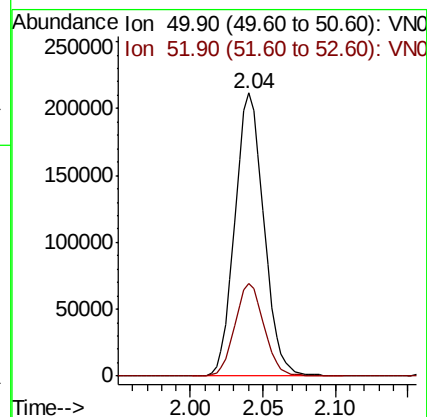
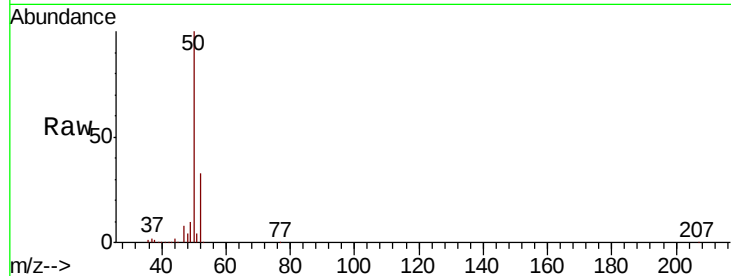
52 32.9 25.7 38.5

Manual Integrations

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10/30/2019 3:52:58 PM



#4

Vinyl Chloride

Concen: 48.839 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058984.D

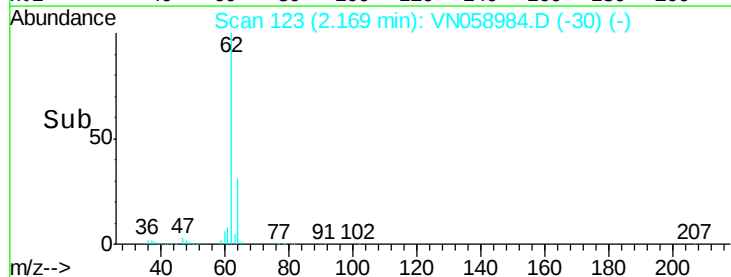
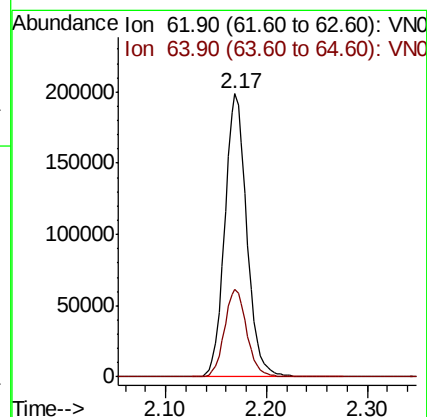
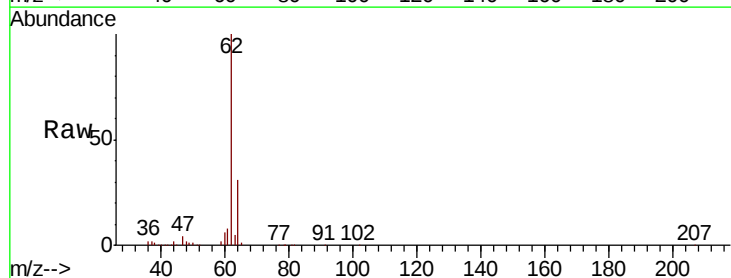
Acq: 28 Oct 2019 9:33

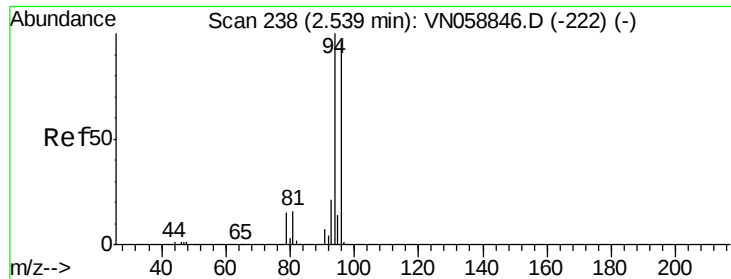
Tgt Ion: 62 Resp: 303511

Ion Ratio Lower Upper

62 100

64 30.8 24.6 36.8





#5

Bromomethane

Concen: 42.277 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

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VSTDCCC050

Tot Ion: 94 Resp: 164524

Ion Ratio Lower Upper

94 100

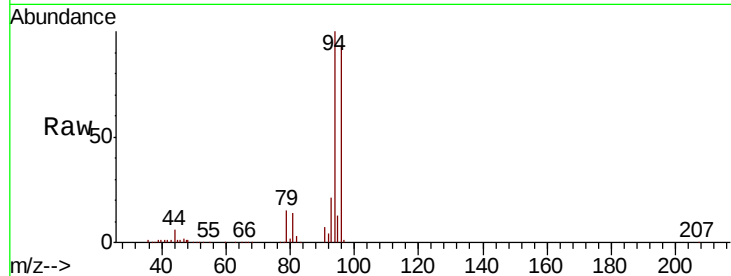
96 93.1 77.0 115.6

Manual Integrations

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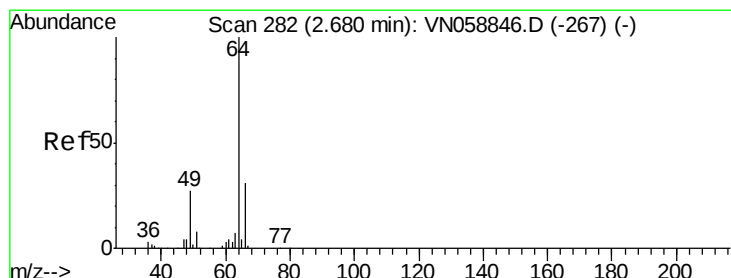
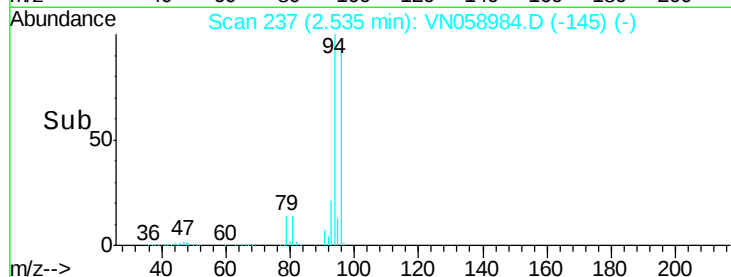
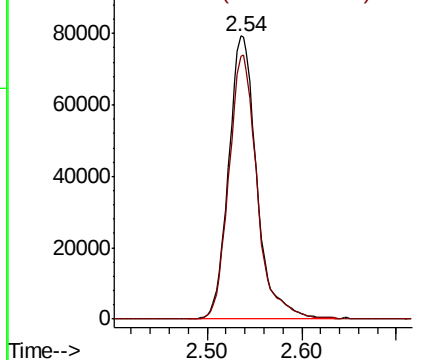
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.578 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058984.D

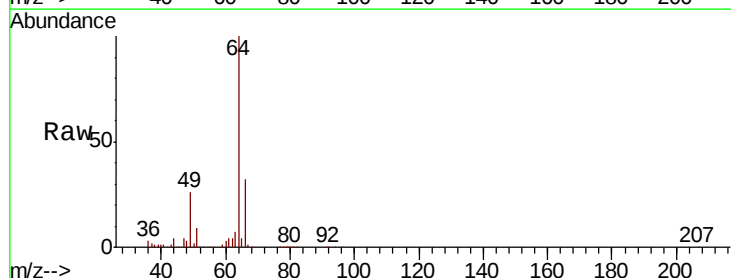
Acq: 28 Oct 2019 9:33

Tgt Ion: 64 Resp: 181641

Ion Ratio Lower Upper

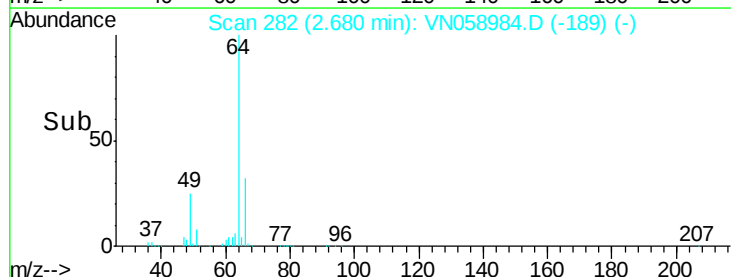
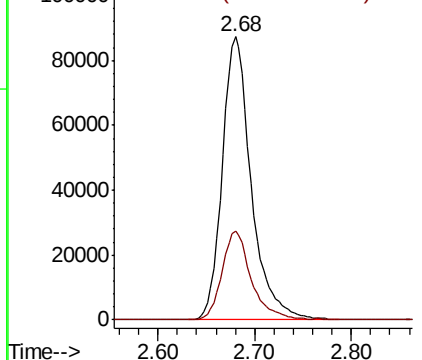
64 100

66 31.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

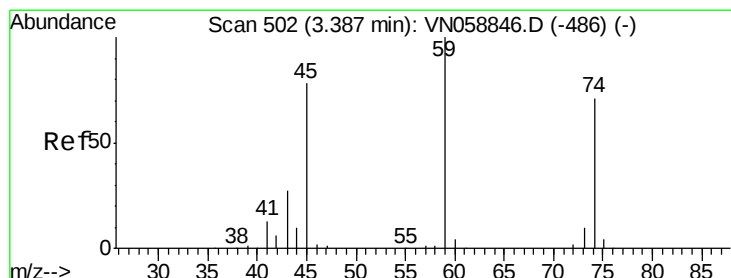
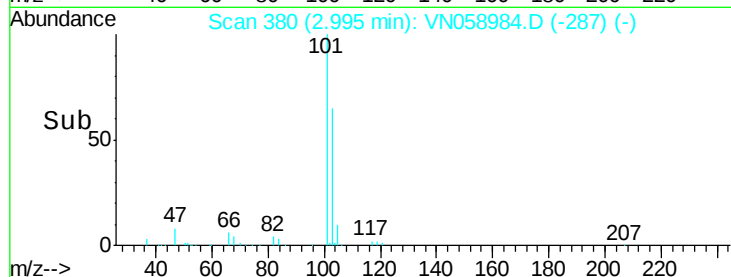
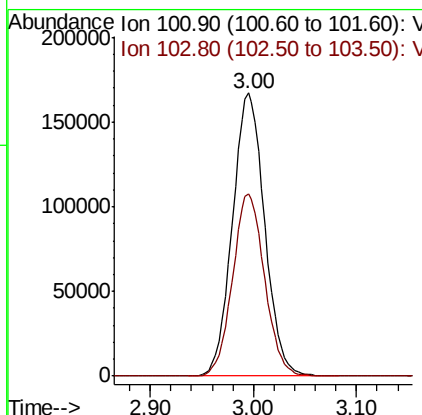
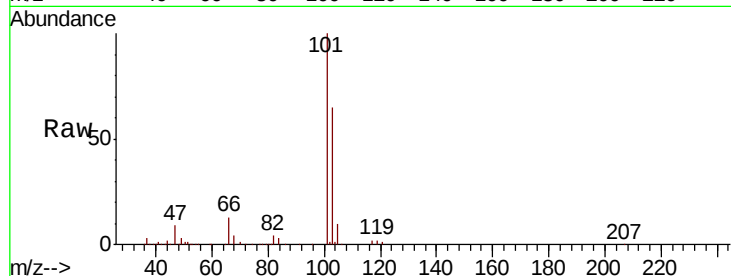
Trichlorofluoromethane
 Concen: 47.165 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	362671		
103	64.6	52.2	78.2	

Manual Integrations
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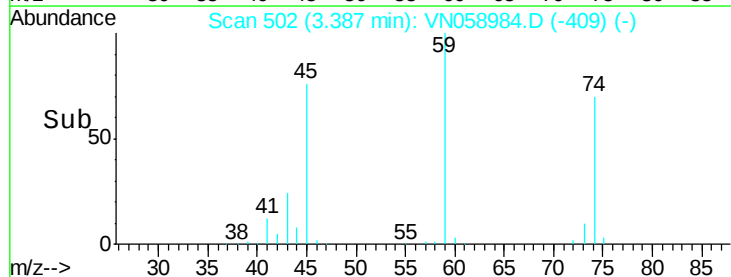
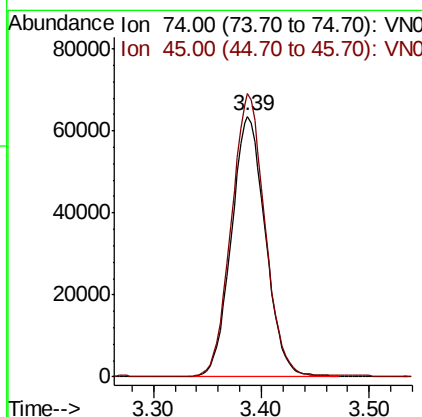
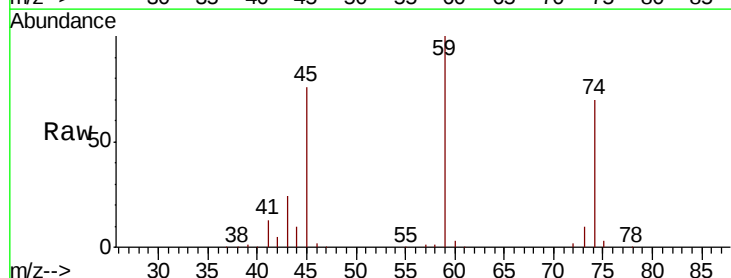
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 10/30/2019 3:52:58 PM

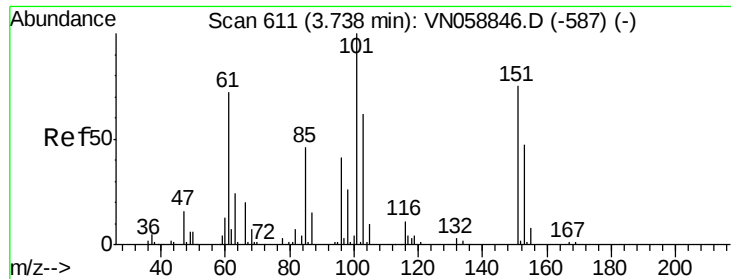


#8

Diethyl Ether
 Concen: 52.504 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	139515		
45	108.1	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.744 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

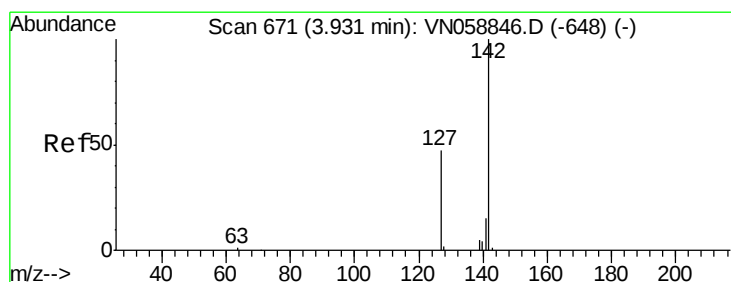
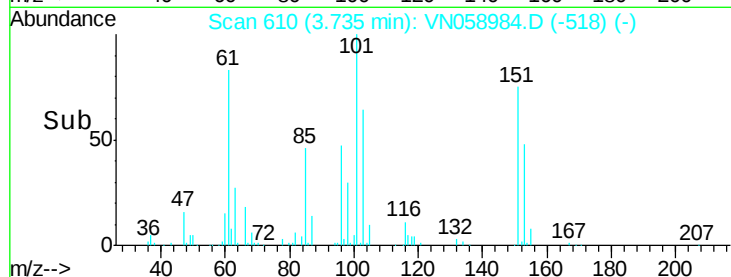
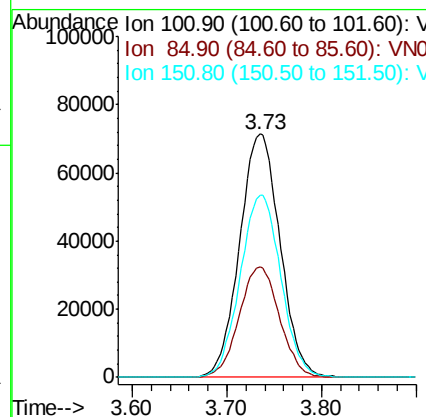
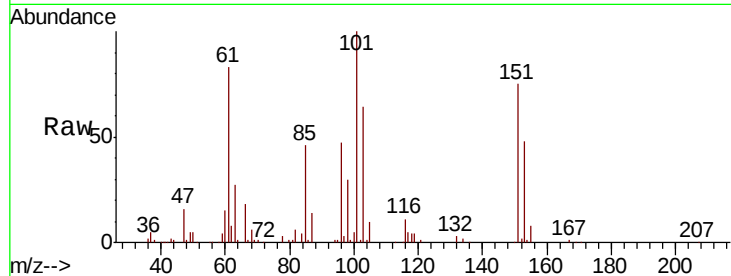
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	212049
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.2	55.8
151	75.5	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 45.747 ug/l

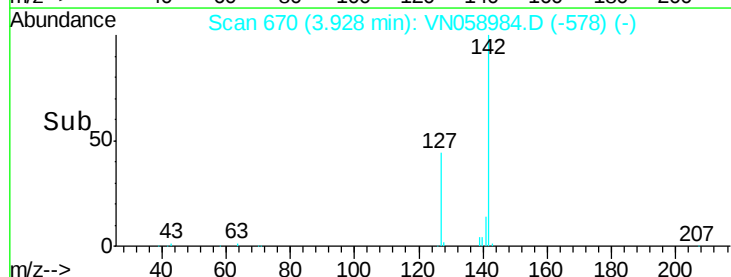
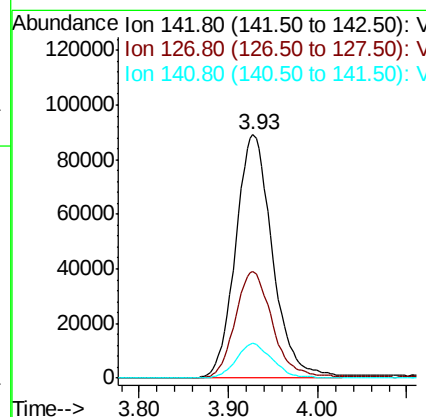
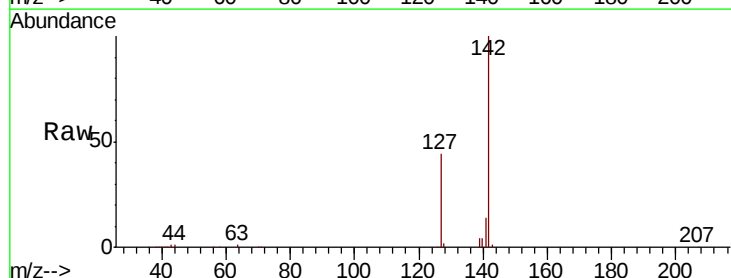
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:	142	Resp:	256484
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.6	54.8
141	14.0	11.4	17.2





#11

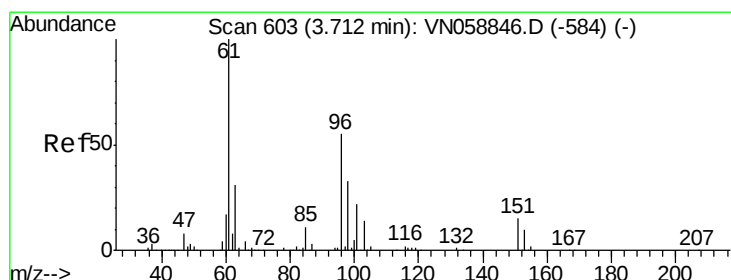
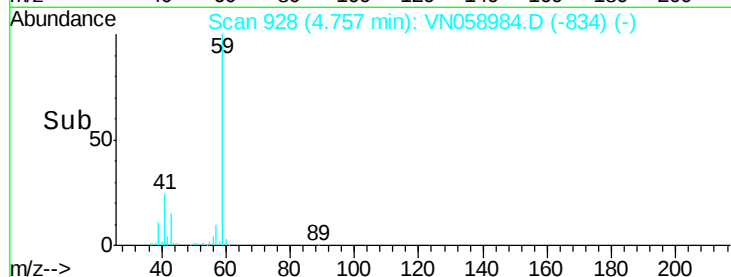
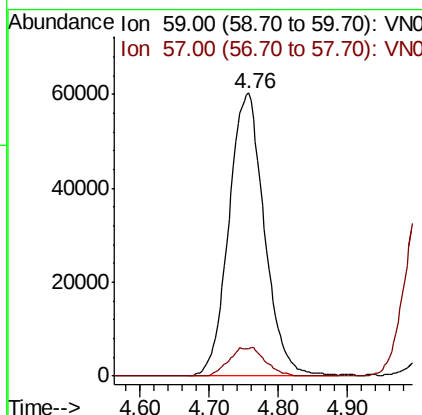
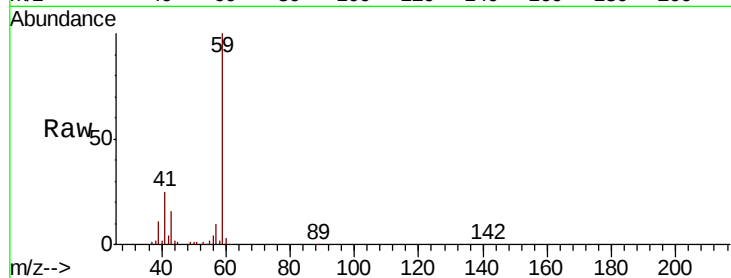
Tert butyl alcohol
Concen: 218.279 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.6	12.8#

Manual Integrations
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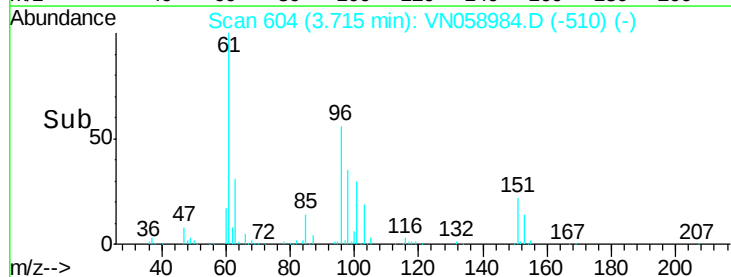
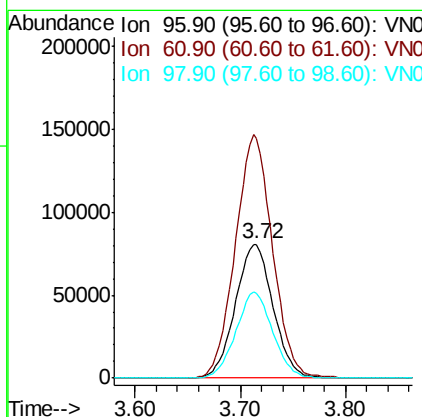
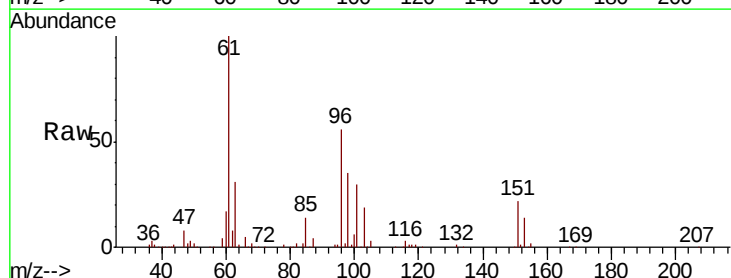
MMDadoda
10/30/2019 3:52:58 PM

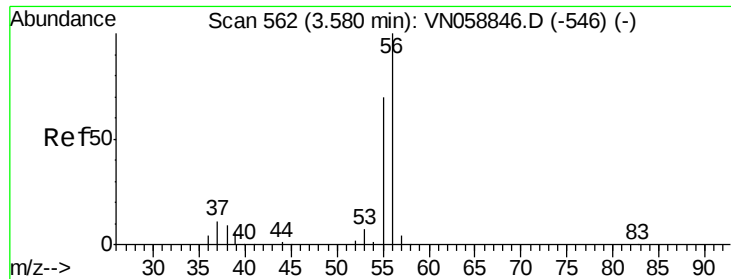


#12

1,1-Dichloroethene
Concen: 50.043 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.7	146.2	219.2
98	63.7	48.7	73.1





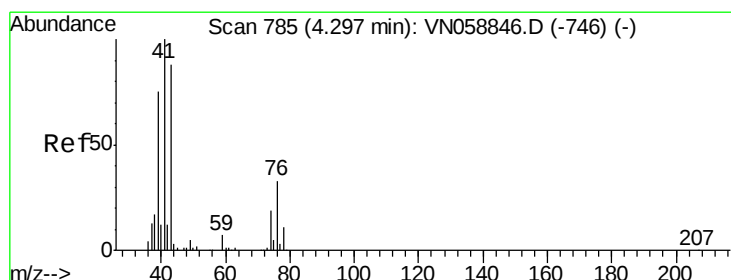
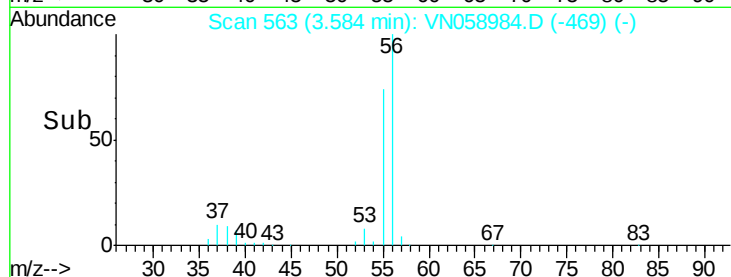
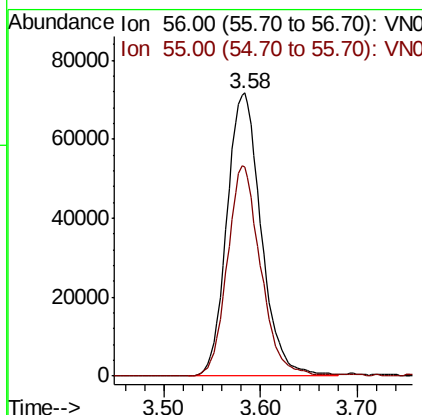
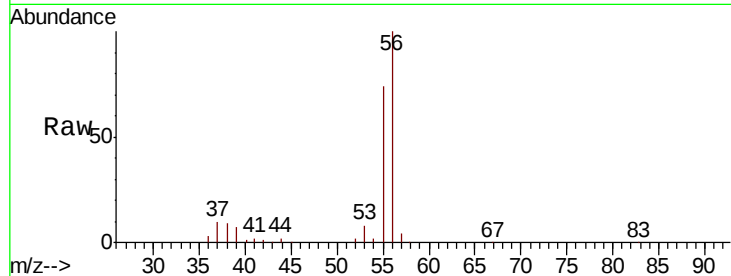
#13
Acrolein
Concen: 260.613 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
176651	100	72.5		56.6	85.0

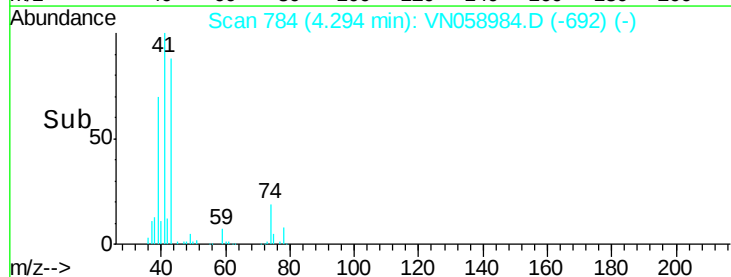
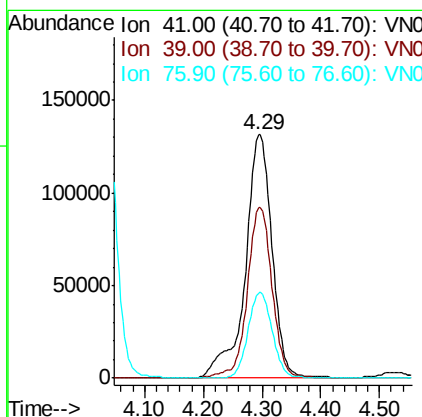
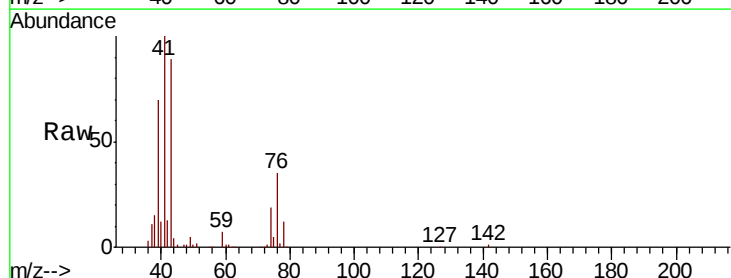
Manual Integrations
APPROVED

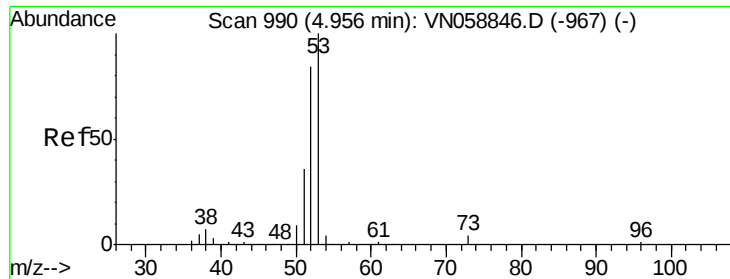
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#14
Allyl chloride
Concen: 51.590 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	41	39	76	Ratio	Lower	Upper
417130	100	64.8	31.7		55.9	83.9
					24.1	36.1





#15

Acrylonitrile

Concen: 254.389 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

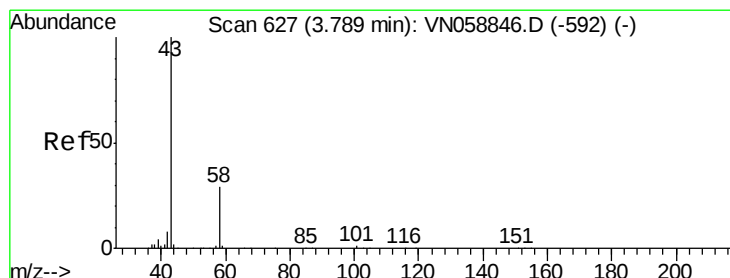
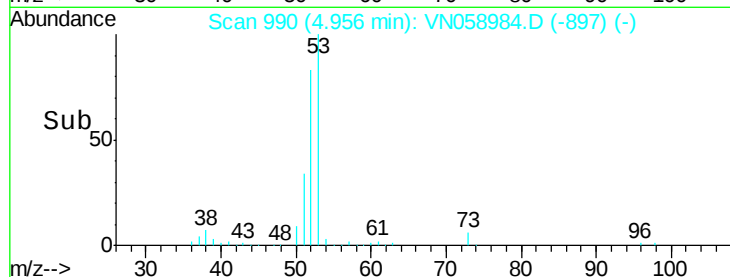
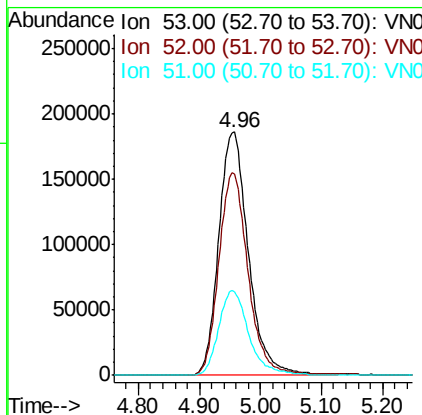
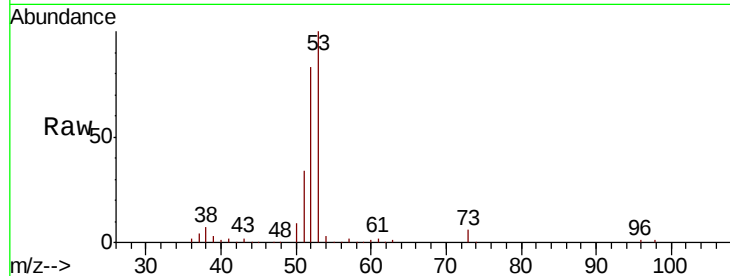
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	631252
Ion Ratio		Lower	Upper
53	100		
52	81.7	66.6	99.8
51	35.4	29.2	43.8

Manual Integrations
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10/30/2019 3:52:58 PM



#16

Acetone

Concen: 255.942 ug/l

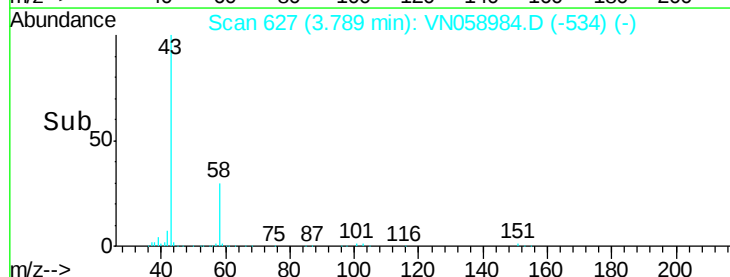
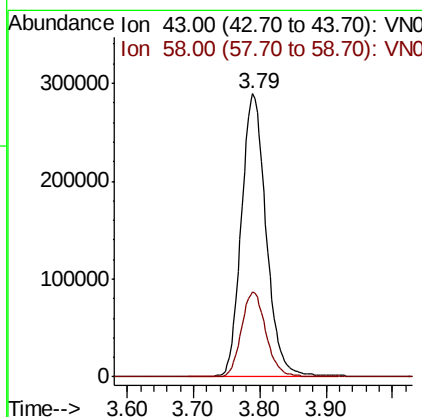
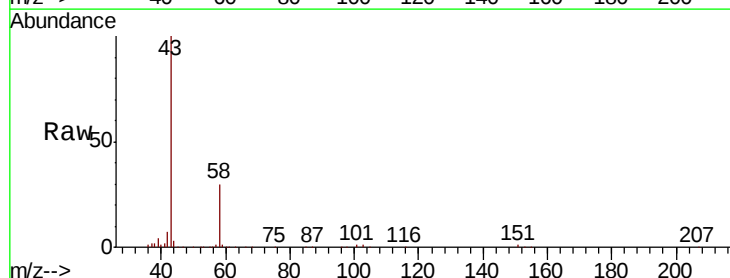
RT: 3.79 min Scan# 627

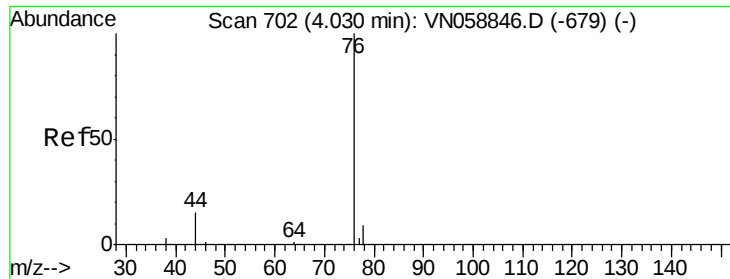
Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:	43	Resp:	751836
Ion Ratio		Lower	Upper
43	100		
58	29.8	23.1	34.7





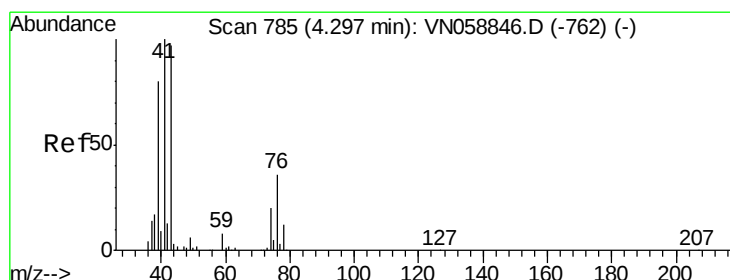
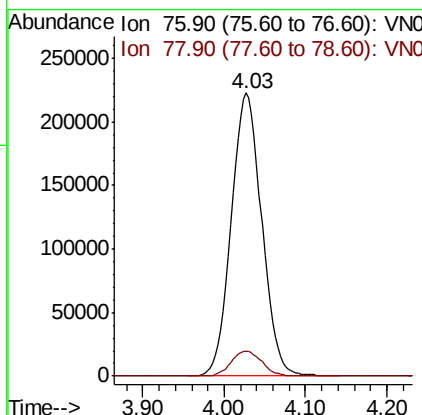
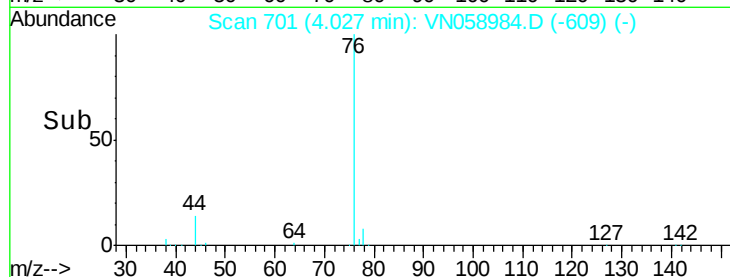
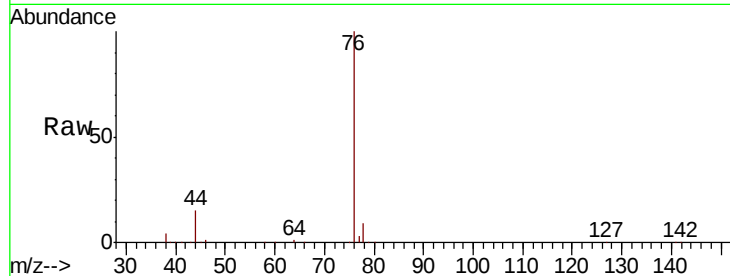
#17
Carbon Disulfide
Concen: 45.158 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

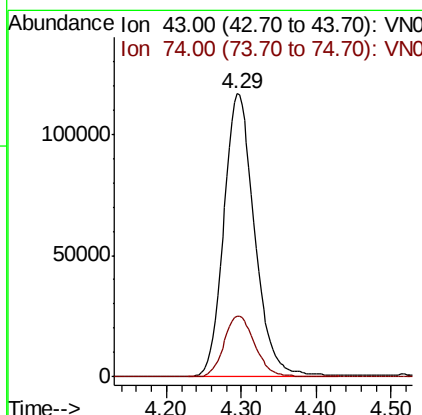
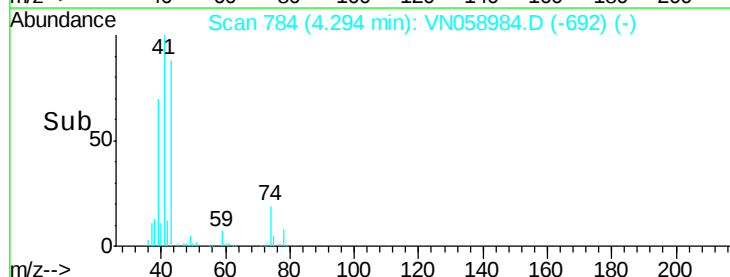
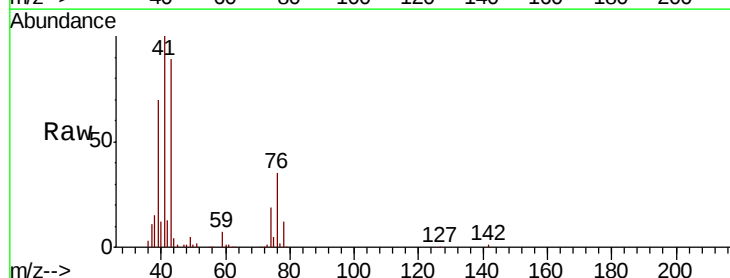
Manual Integrations
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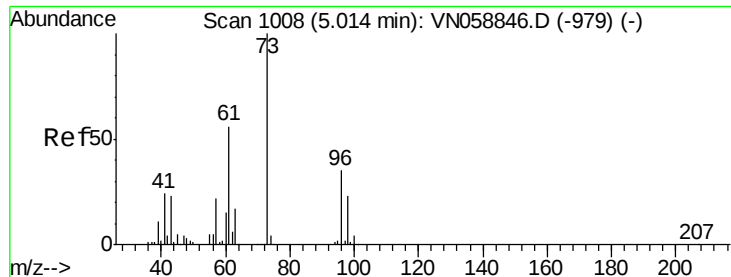
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#18
Methyl Acetate
Concen: 49.330 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.1	25.7





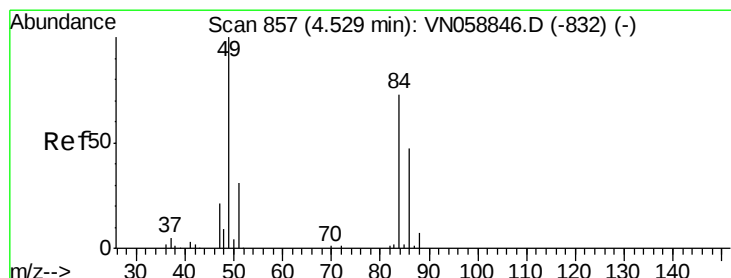
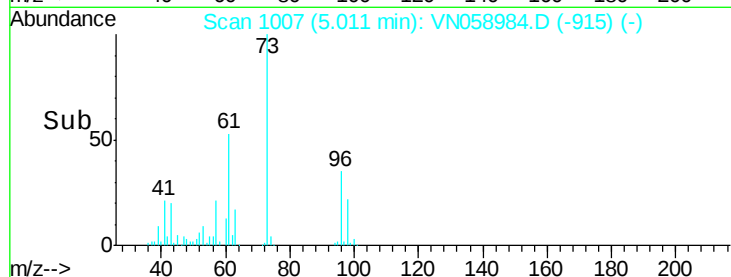
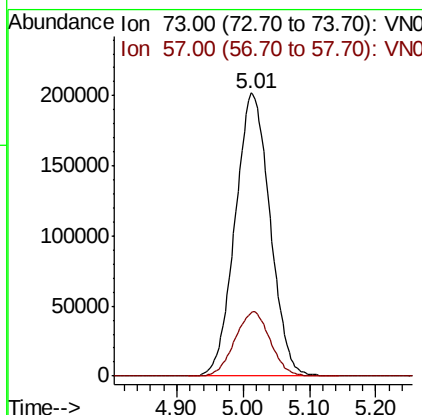
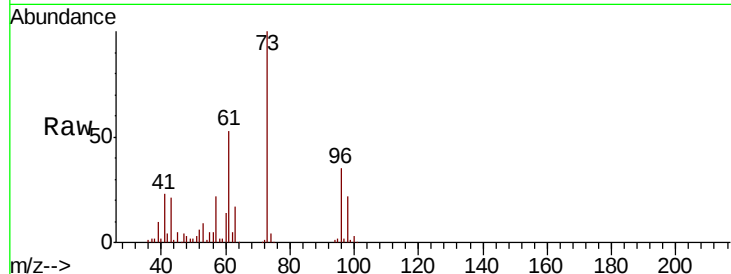
#19
Methvl tert-butvl Ether
Concen: 52.703 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 737379
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9

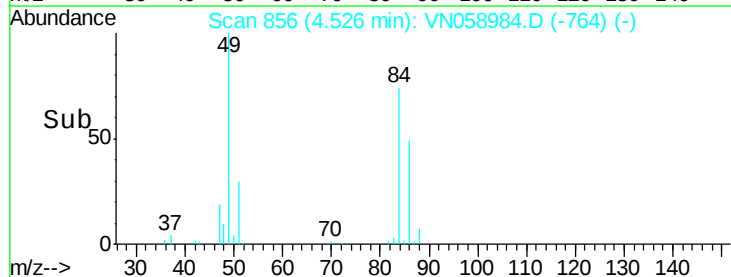
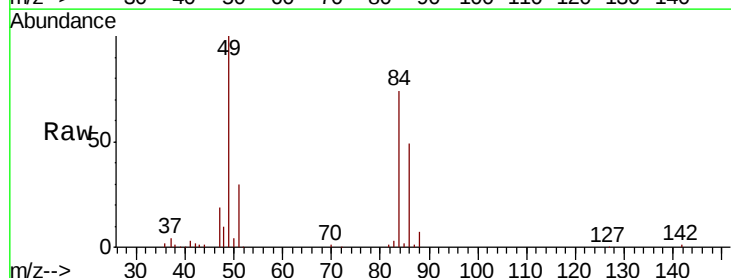
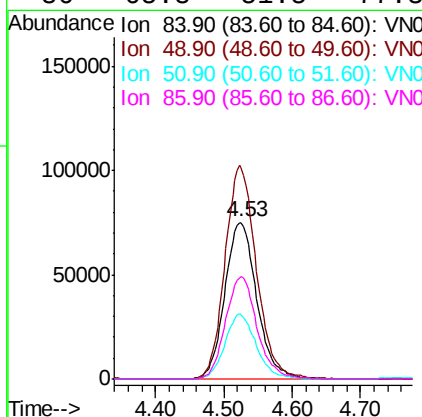
Manual Integrations
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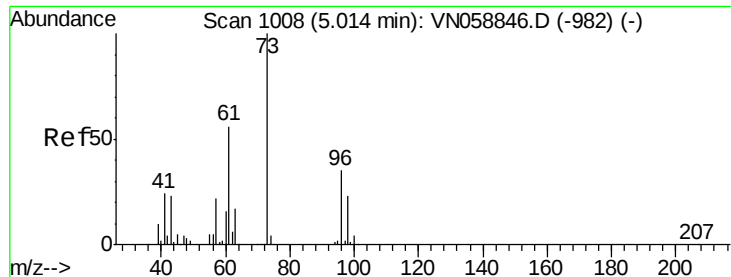
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#20
Methylene Chloride
Concen: 48.743 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 84 Resp: 244491
Ion Ratio Lower Upper
84 100
49 135.2 109.6 164.4
51 40.5 33.8 50.6
86 65.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 50.042 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

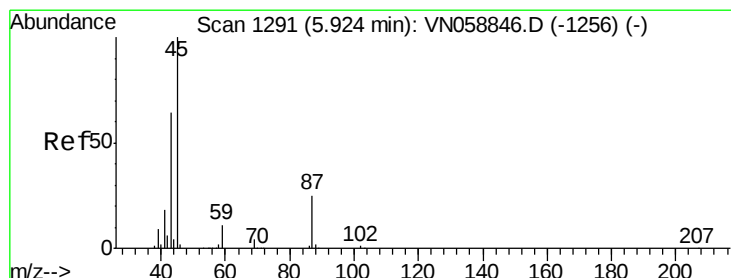
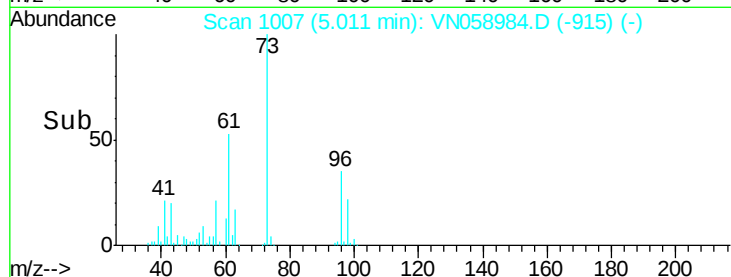
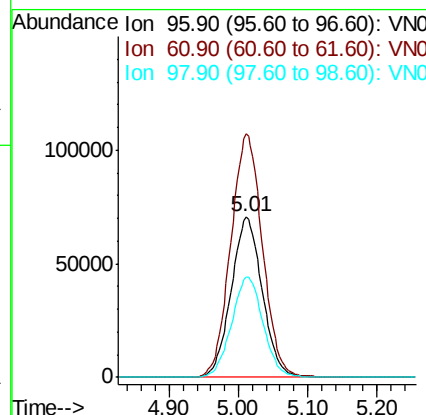
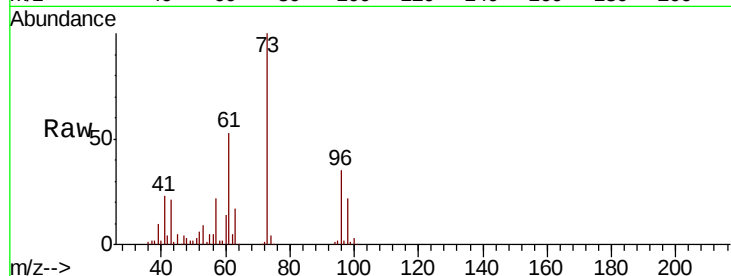
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	220820
Ion	Ratio	Lower	Upper
96	100		
61	151.7	126.7	190.1
98	62.2	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.629 ug/l

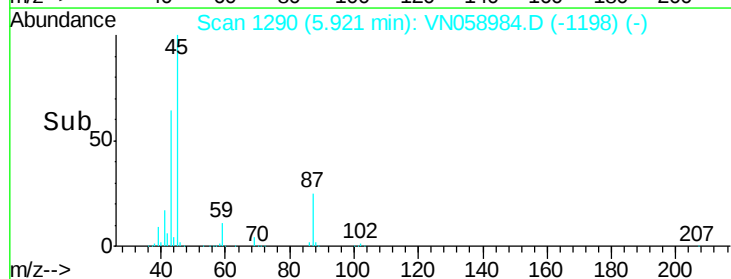
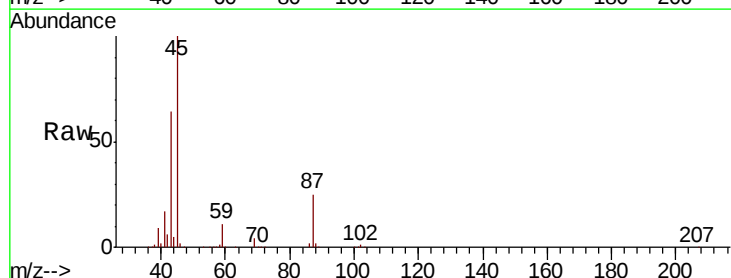
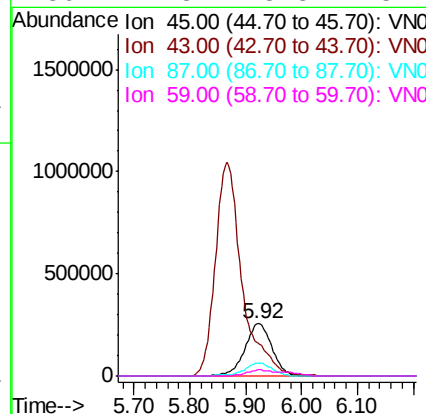
RT: 5.92 min Scan# 1290

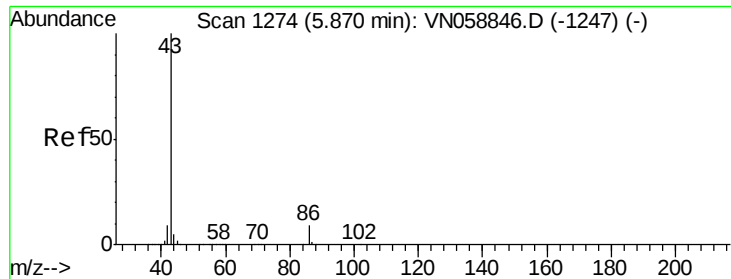
Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:	45	Resp:	863960
Ion	Ratio	Lower	Upper
45	100		
43	62.8	52.9	79.3
87	24.5	20.2	30.4
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 273.564 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3475963

Ion Ratio Lower Upper

43 100

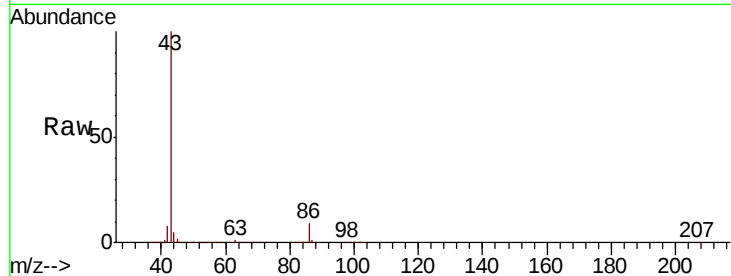
86 9.1 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

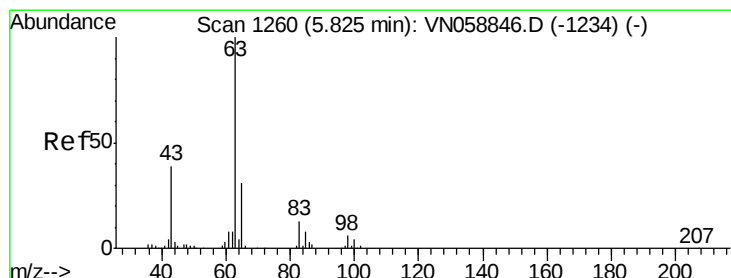
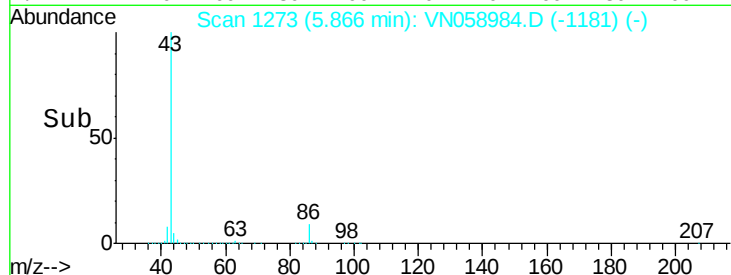
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 50.022 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

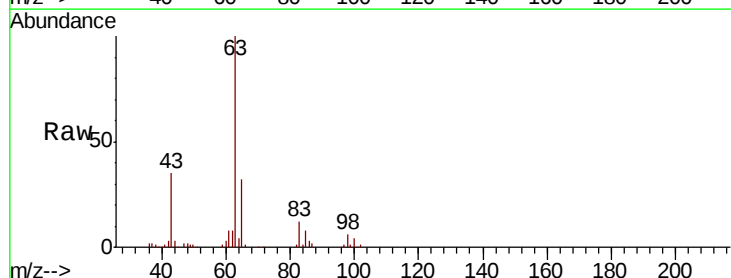
Tgt Ion: 63 Resp: 458717

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

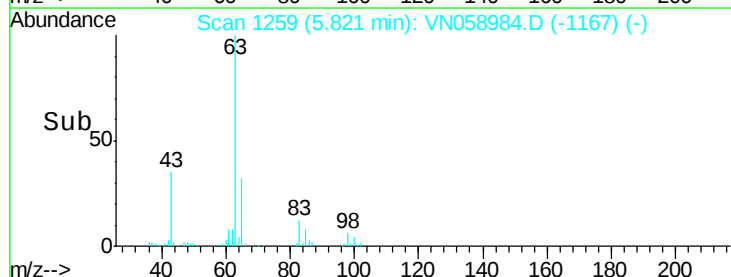
100000

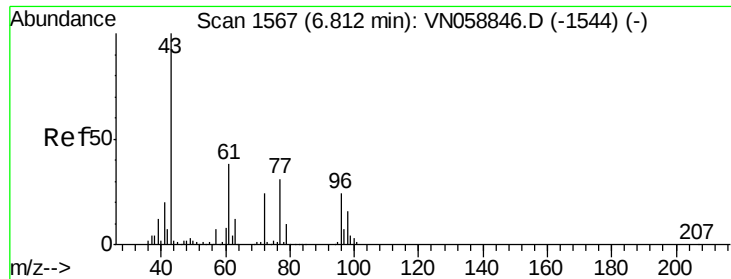
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 241.051 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 919178

Ion Ratio Lower Upper

43 100

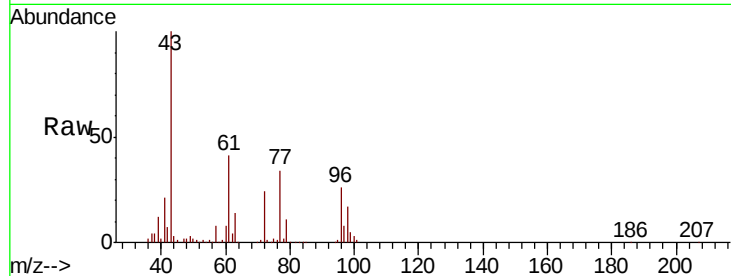
72 24.0 19.1 28.7

Manual Integrations

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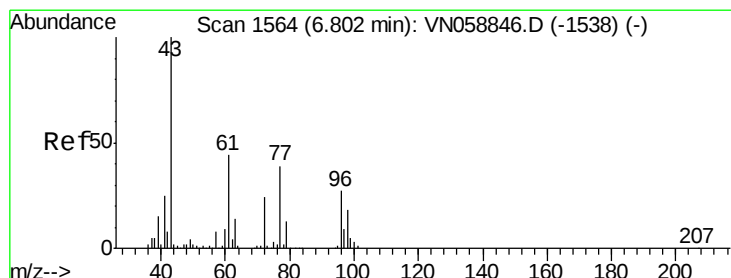
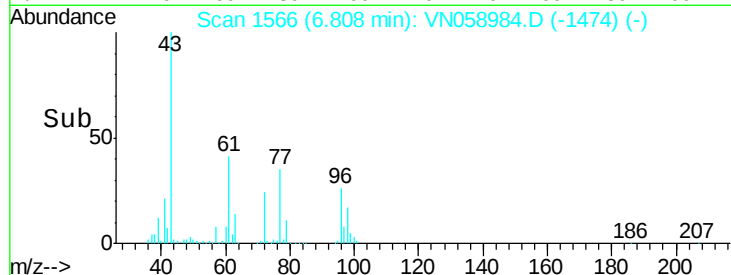
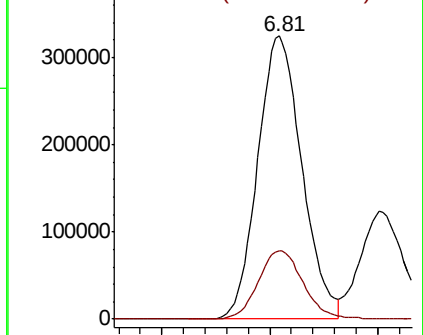
MMDadoda

10/30/2019 3:52:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.310 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058984.D

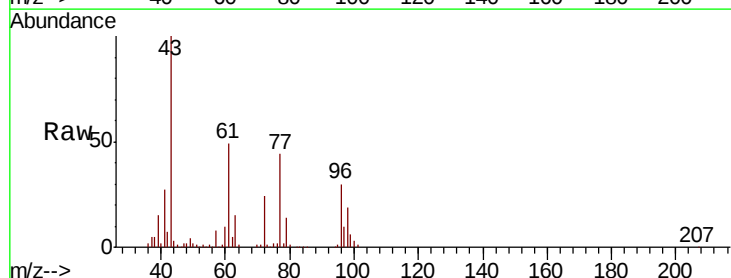
Acq: 28 Oct 2019 9:33

Tgt Ion: 77 Resp: 399057

Ion Ratio Lower Upper

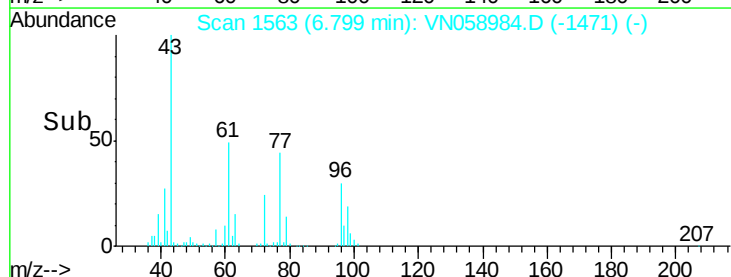
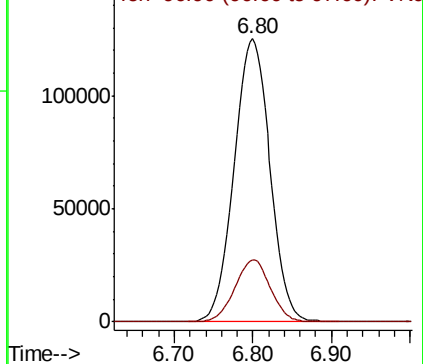
77 100

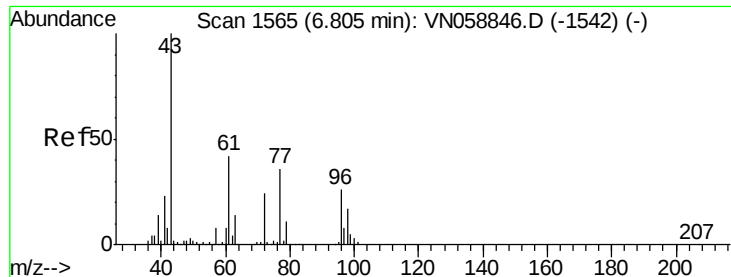
97 21.8 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.685 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

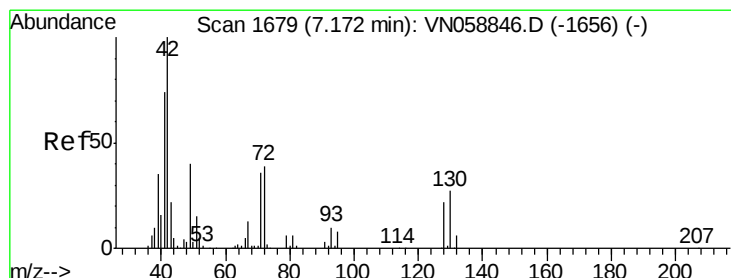
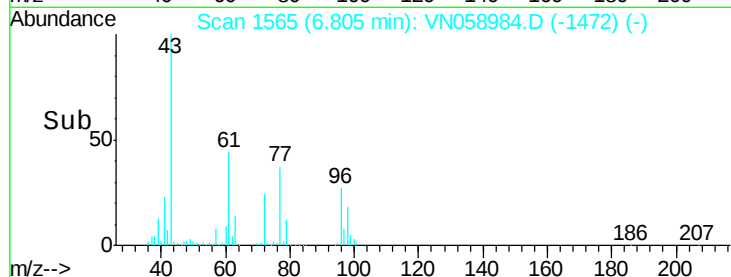
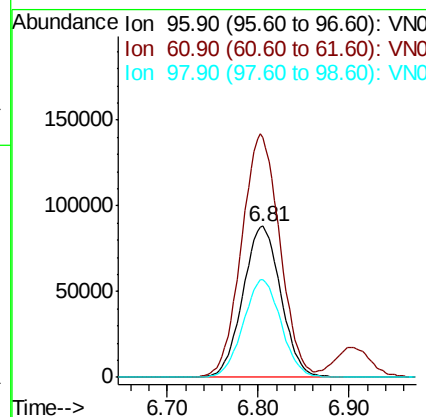
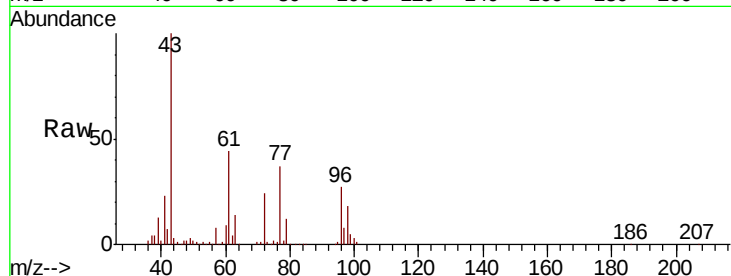
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	255499
Ion Ratio	Lower	Upper	
96	100		
61	162.3	0.0	325.0
98	64.5	0.0	128.0

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#28

Bromochloromethane

Concen: 49.207 ug/l

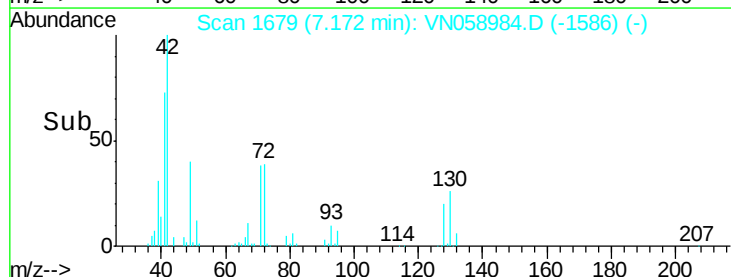
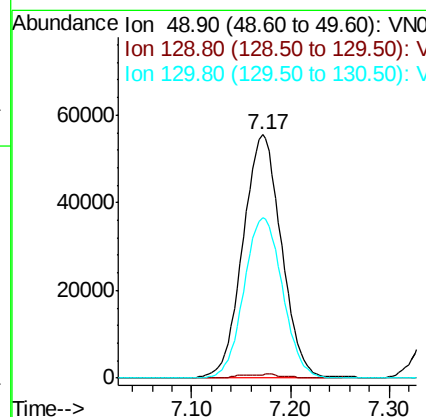
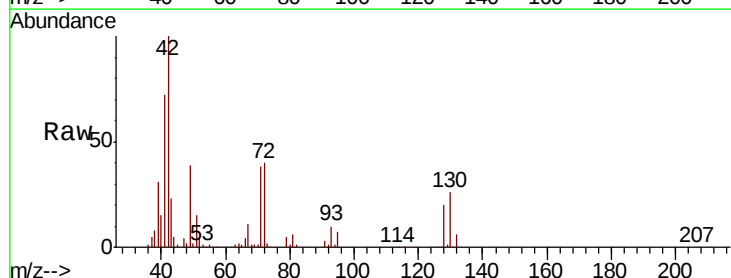
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:	49	Resp:	150280
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.2
130	65.8	53.5	80.3





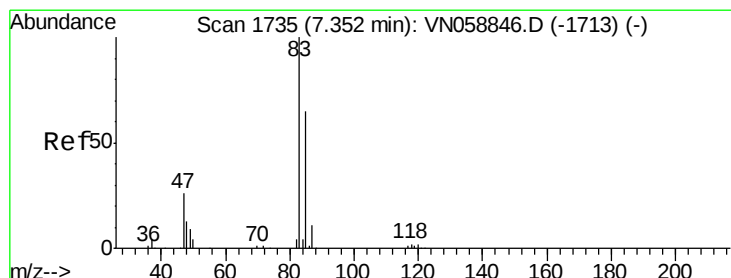
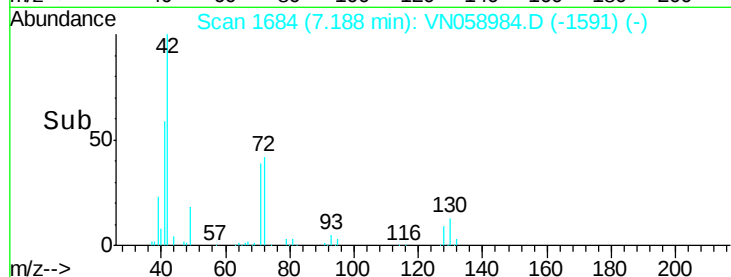
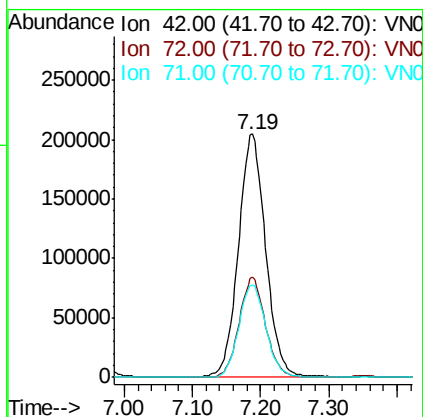
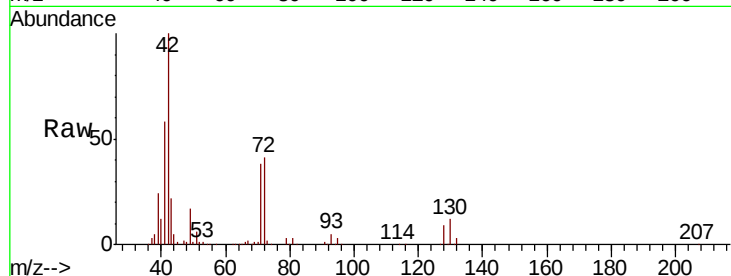
#29
Tetrahydrofuran
Concen: 242.546 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.2	48.2
71	38.0	30.6	45.8

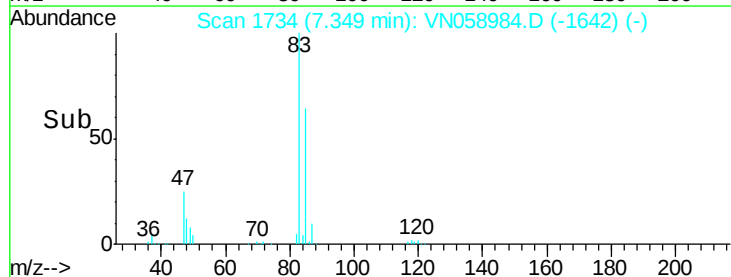
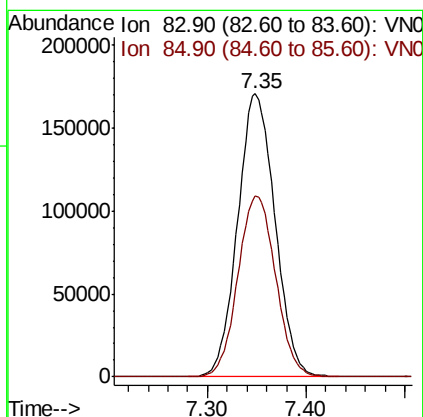
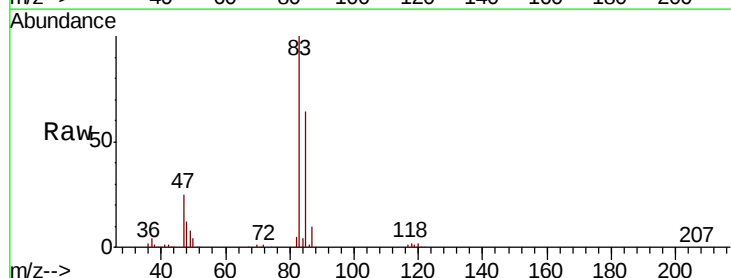
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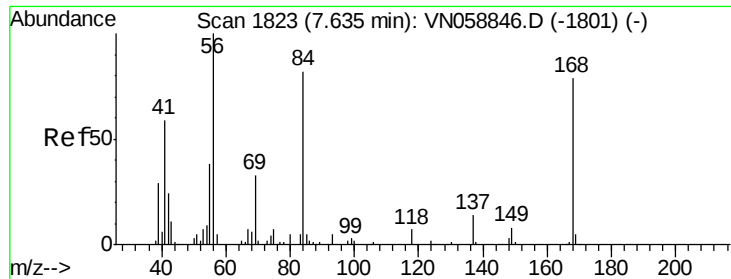
MMDadoda
10/30/2019 3:52:58 PM



#30
Chloroform
Concen: 48.651 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9





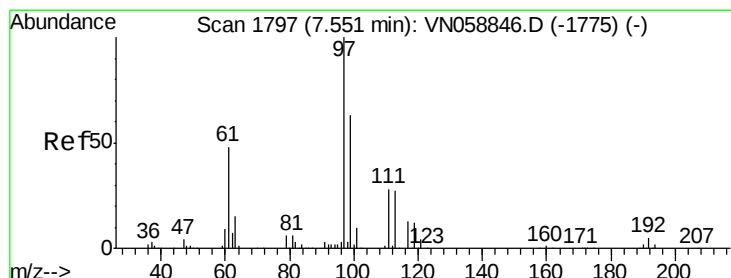
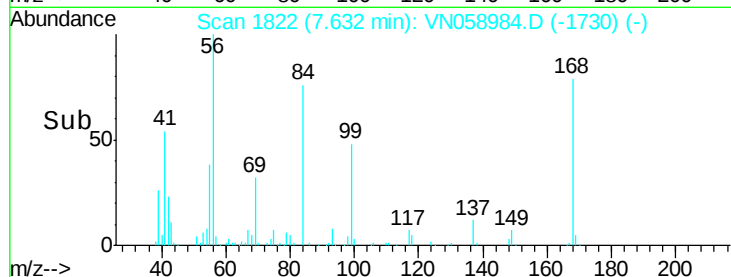
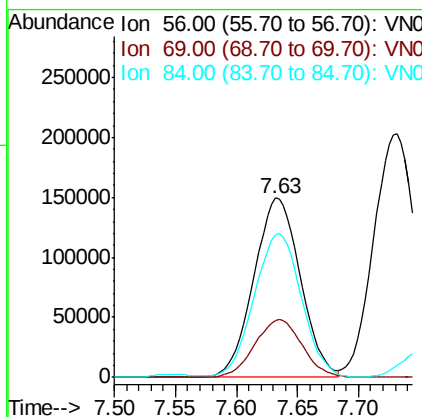
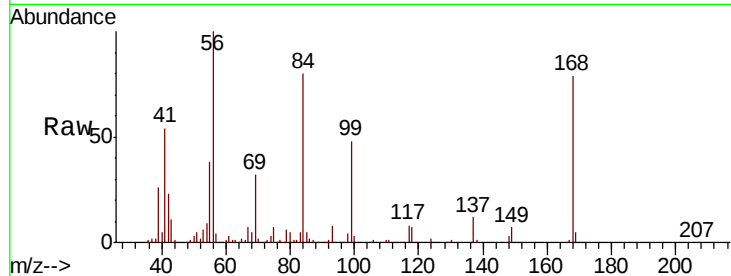
#31
Cyclohexane
Concen: 46.487 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	26.2	39.4
84	78.5	65.6	98.4

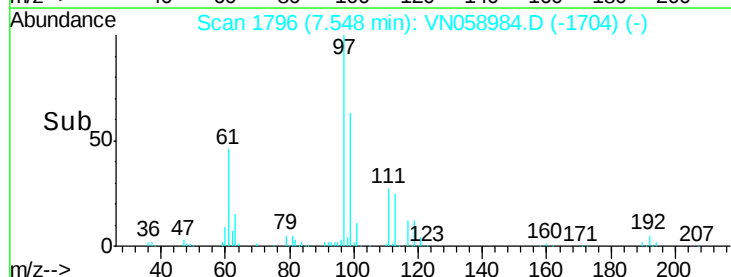
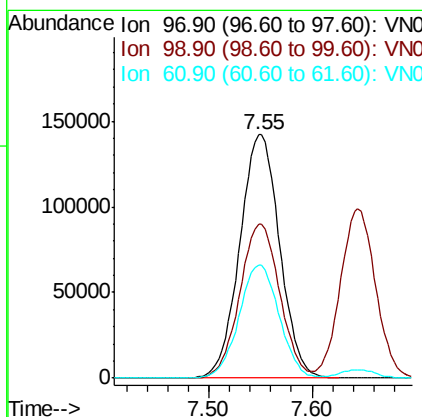
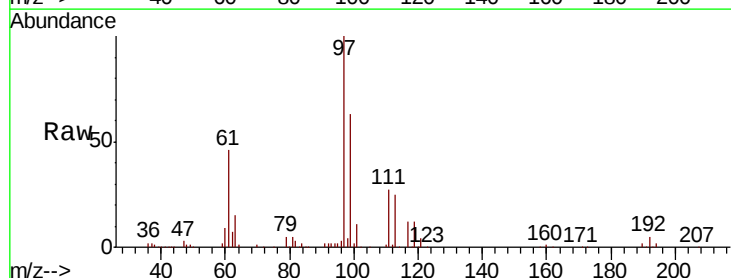
Manual Integrations
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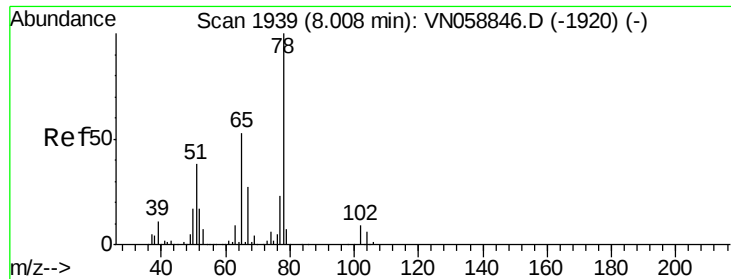
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.207 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	46.9	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 47.439 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 282011

Ion Ratio Lower Upper

65 100

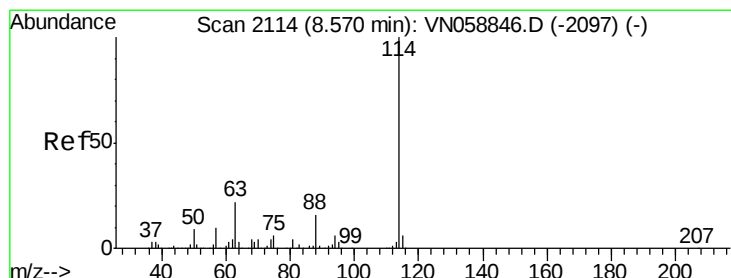
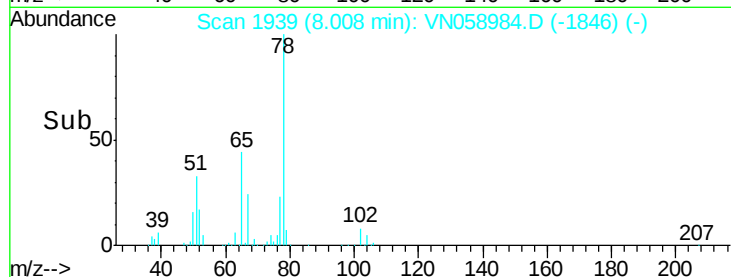
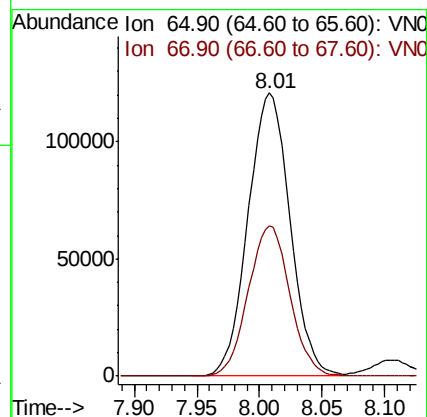
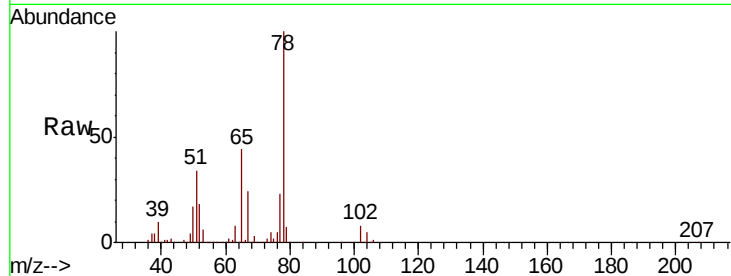
67 52.7 0.0 103.2

Manual Integrations

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10/30/2019 3:52:58 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

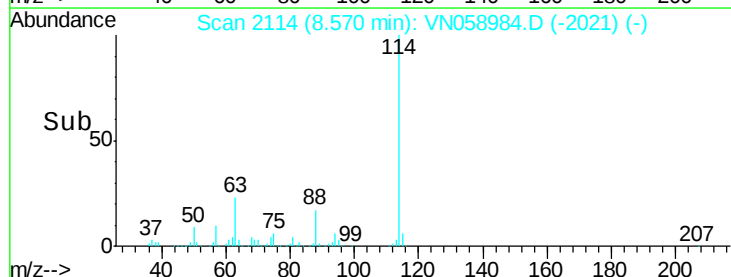
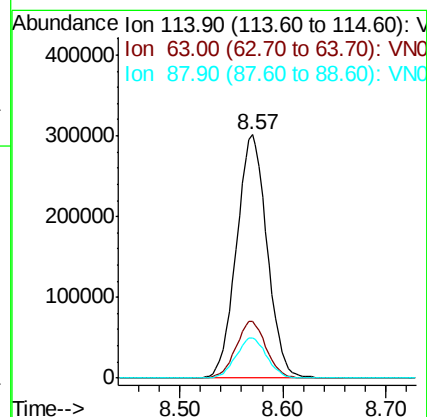
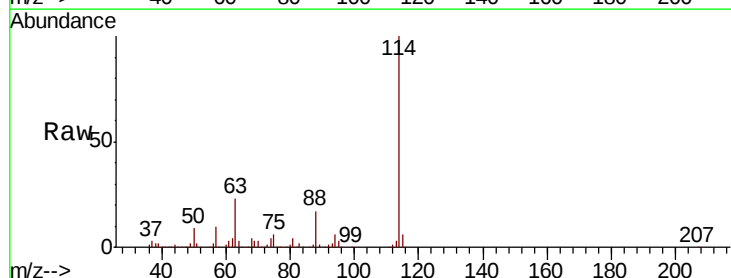
Tgt Ion: 114 Resp: 622191

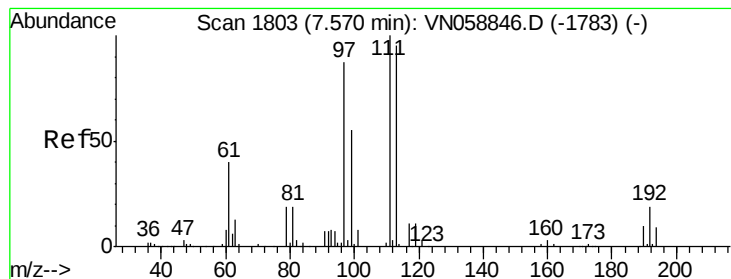
Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.4

88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.959 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

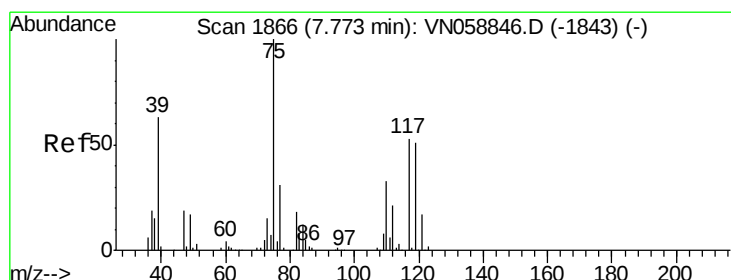
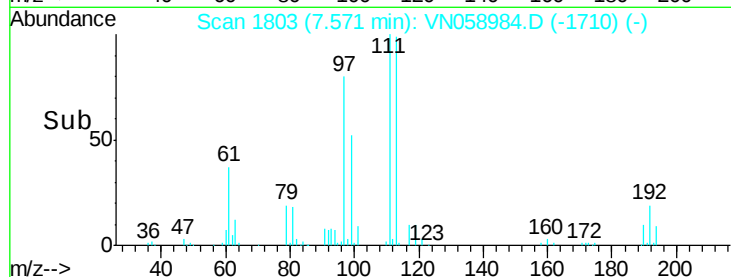
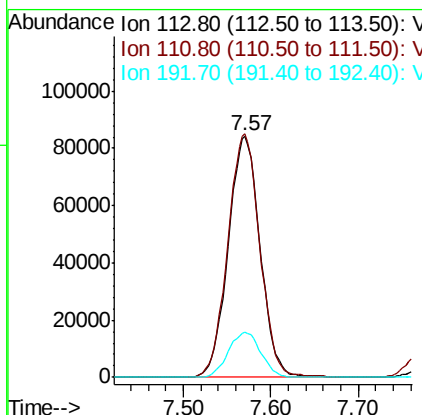
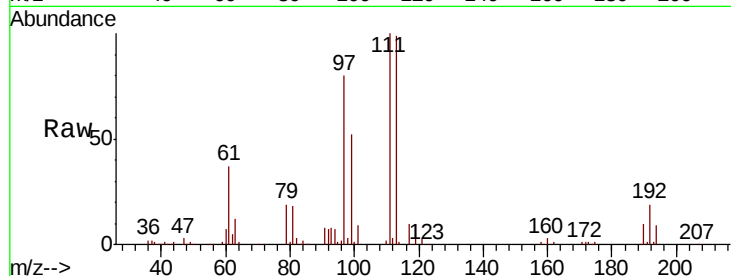
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	212551
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.0	123.0
192	19.0	15.0	22.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.067 ug/l

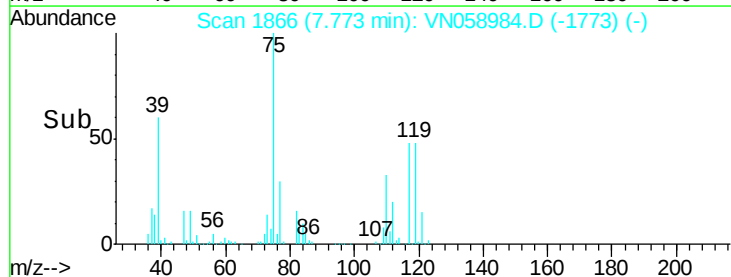
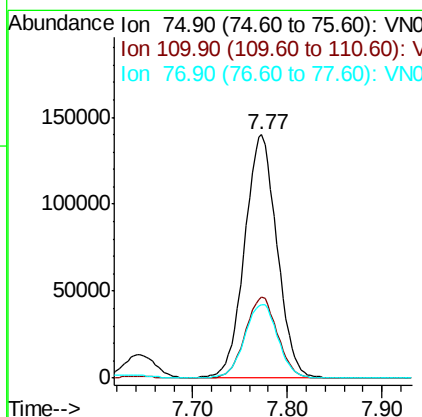
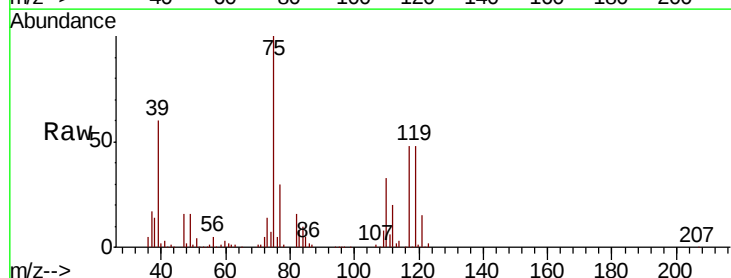
RT: 7.77 min Scan# 1866

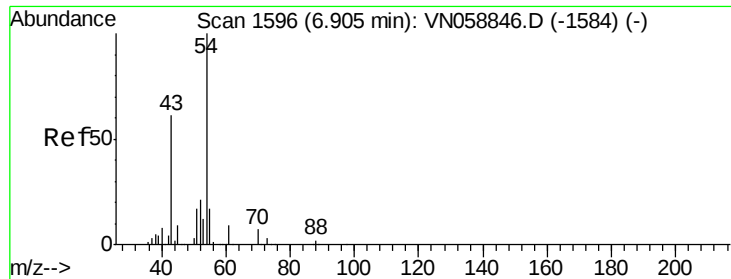
Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:	75	Resp:	331663
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.3	48.9
77	31.4	24.6	36.8





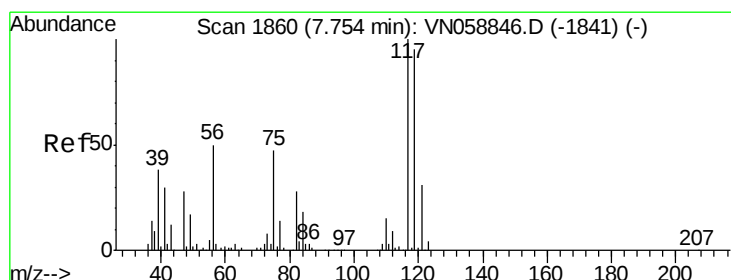
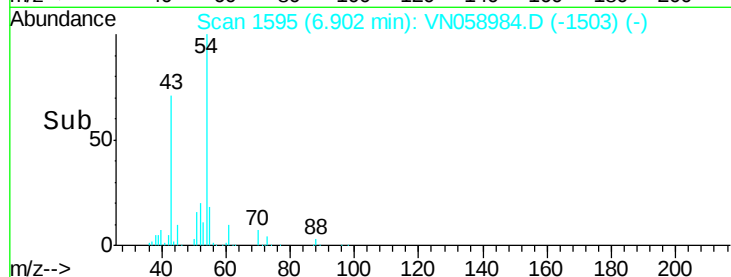
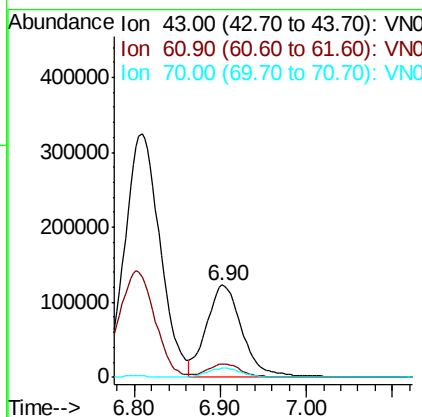
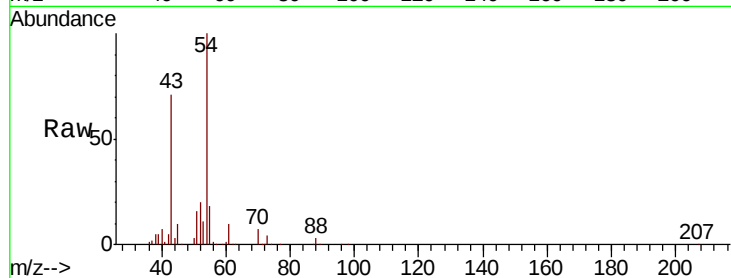
#37
Ethyl Acetate
Concen: 50.695 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.8	7.6	11.4

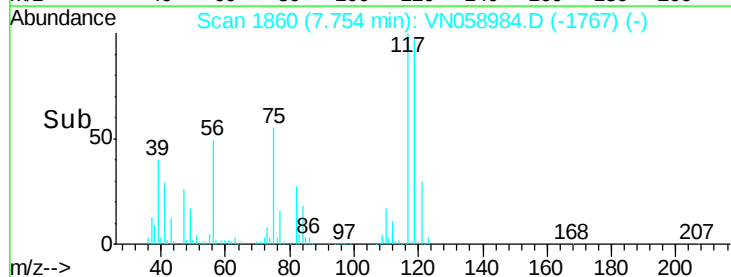
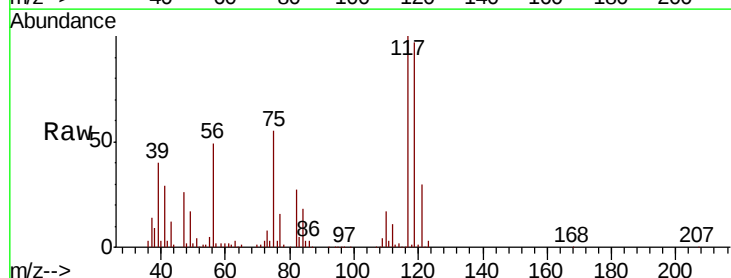
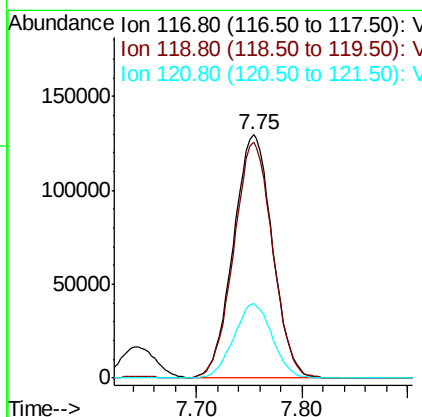
Manual Integrations
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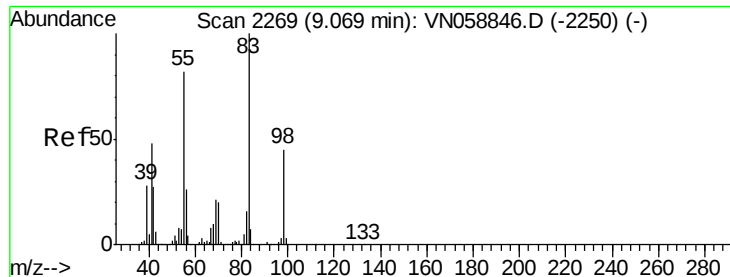
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#38
Carbon Tetrachloride
Concen: 50.842 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5
121	30.4	25.0	37.6





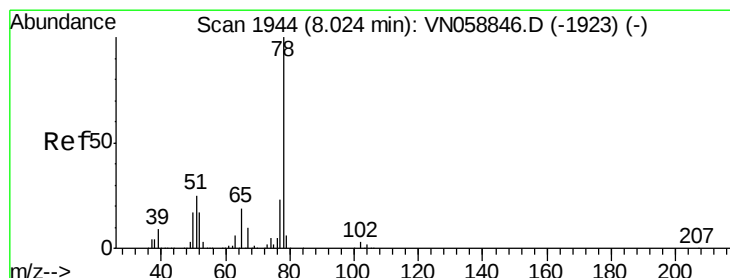
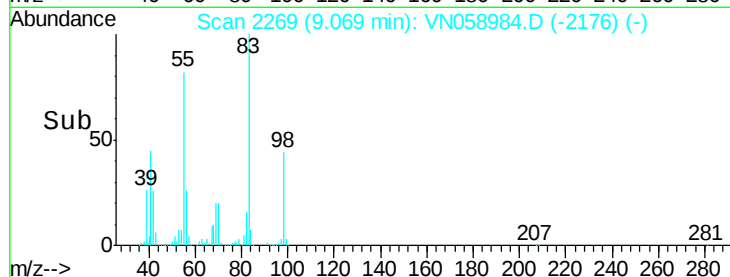
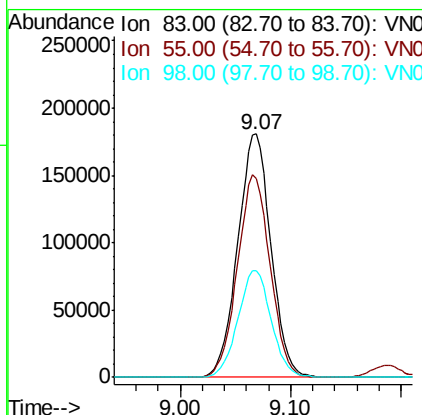
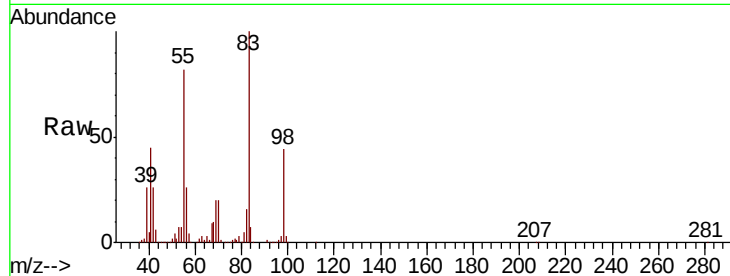
#39
Methvlcvclohexane
Concen: 52.715 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	65.5	98.3
98	44.0	35.7	53.5

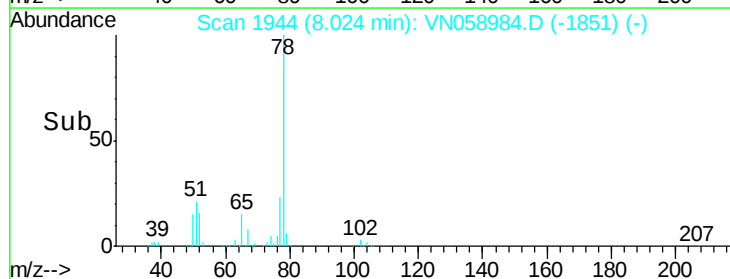
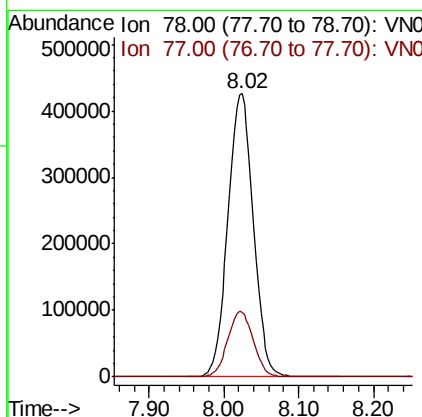
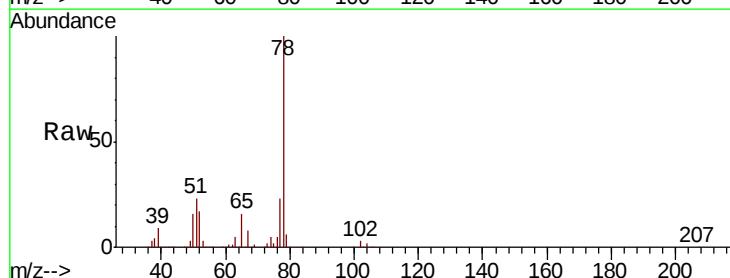
Manual Integrations
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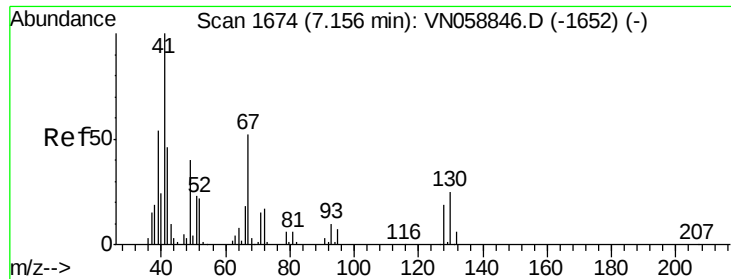
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#40
Benzene
Concen: 53.719 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.2





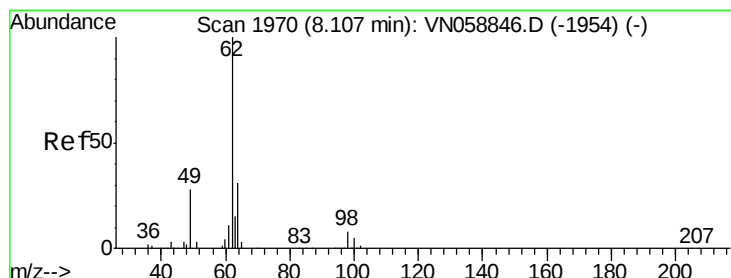
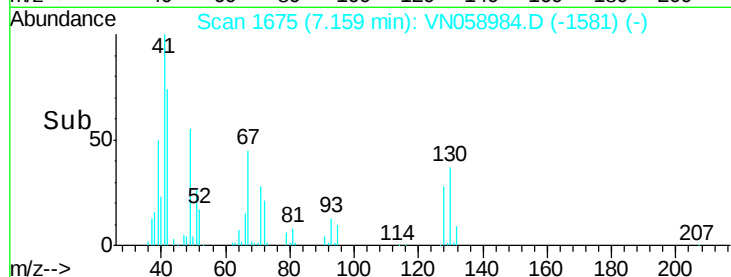
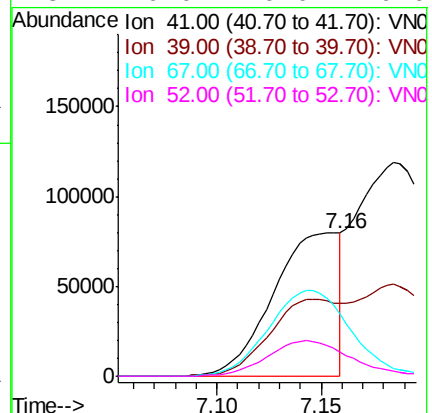
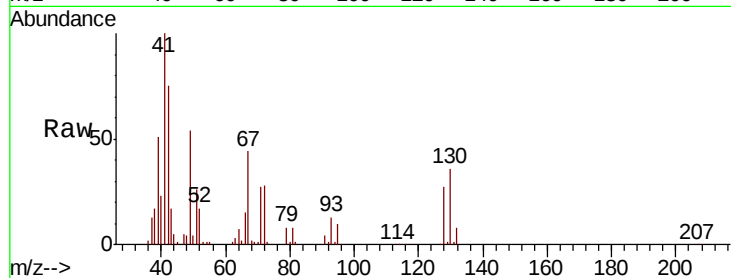
#41
Methacrylonitrile
Concen: 57.222 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		176890		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

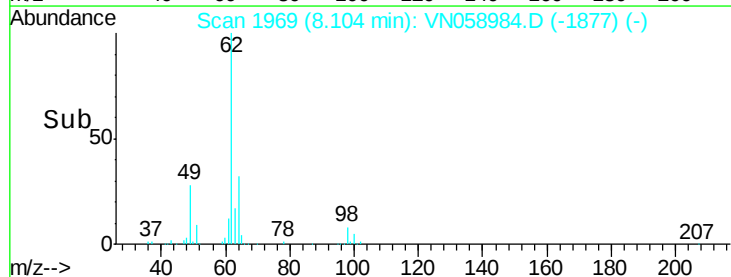
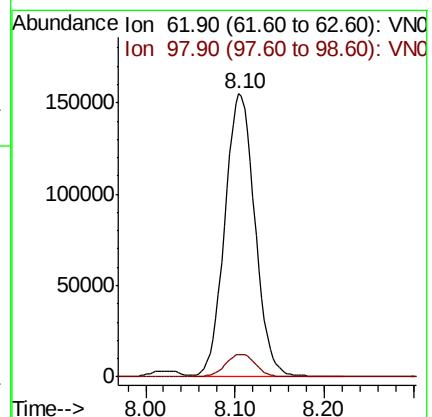
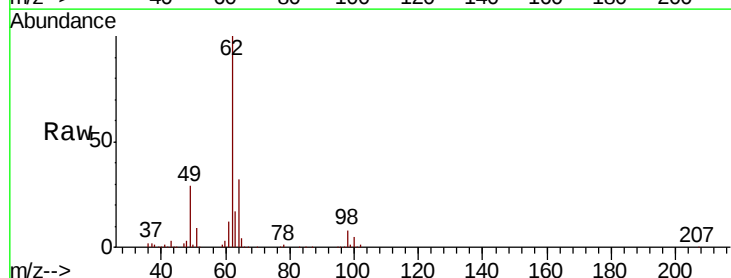
Manual Integrations
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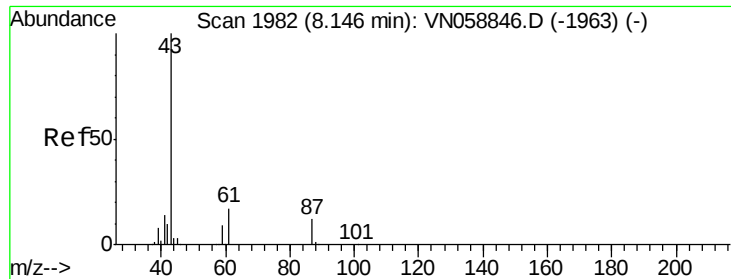
MMDadoda
10/30/2019 3:52:58 PM



#42
1,2-Dichloroethane
Concen: 50.170 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		361496		
98	8.1	0.0	16.2		





#43

Isopropyl Acetate

Concen: 51.820 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

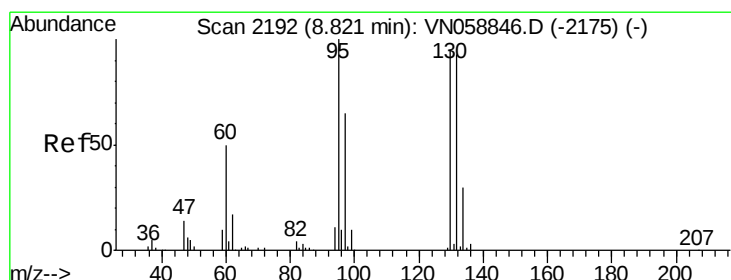
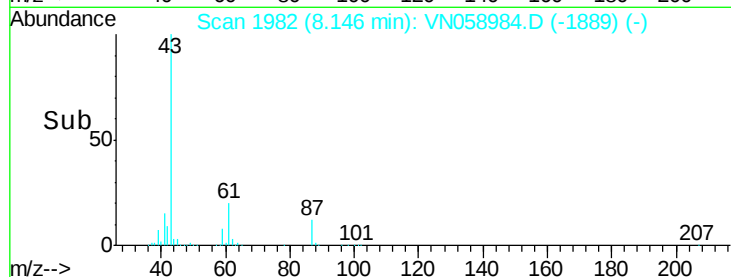
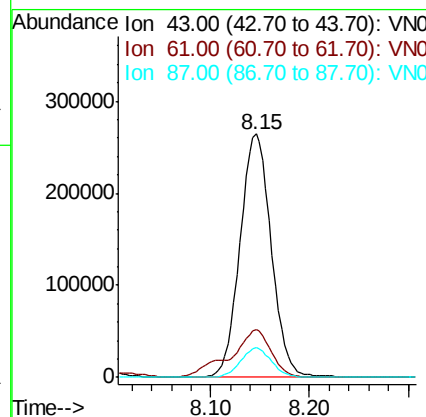
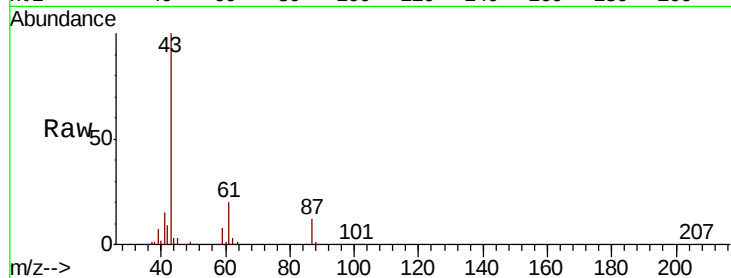
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	576832
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.2	30.2
87	11.9	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 52.658 ug/l

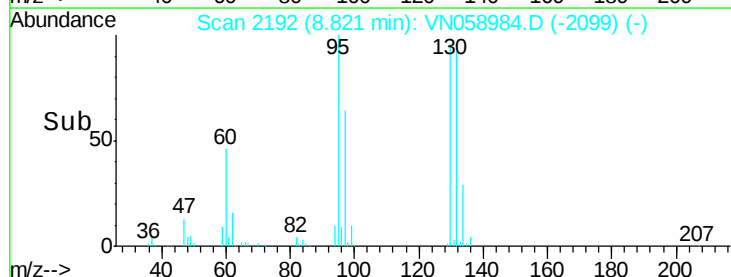
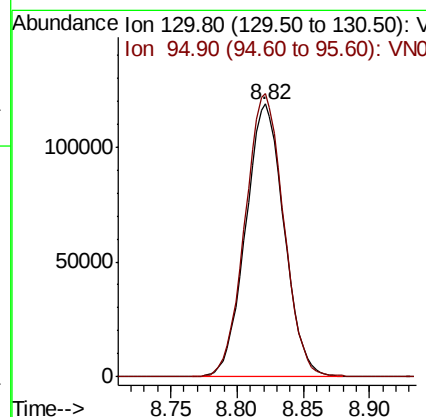
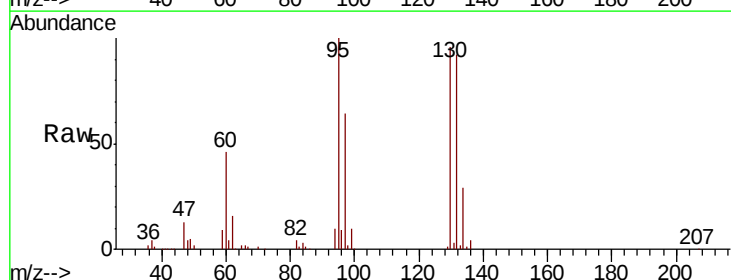
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:	130	Resp:	239936
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	209.6





#45

1,2-Dichloropropane

Concen: 53.975 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 276852

Ion Ratio Lower Upper

63 100

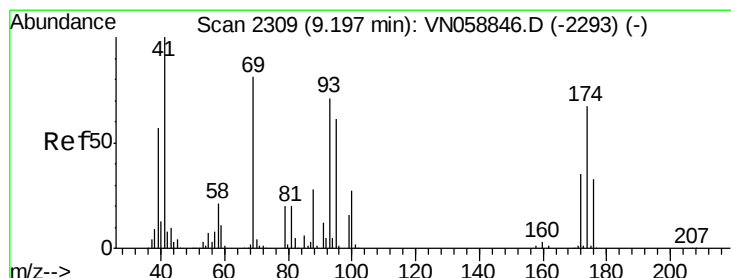
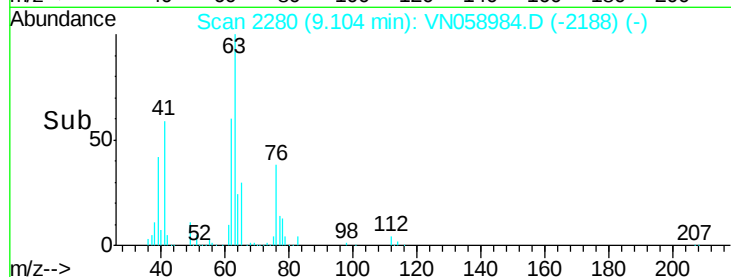
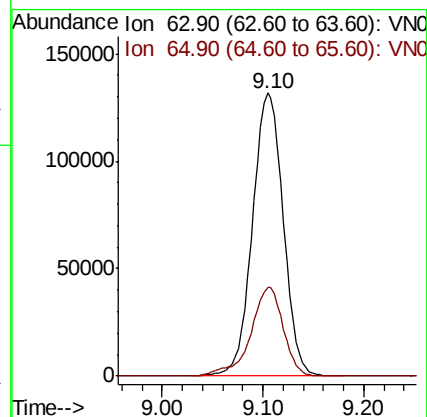
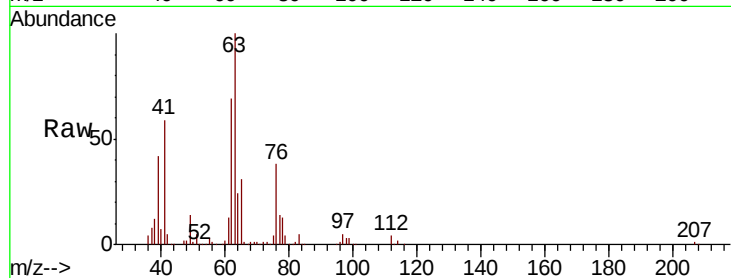
65 31.3 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 51.966 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

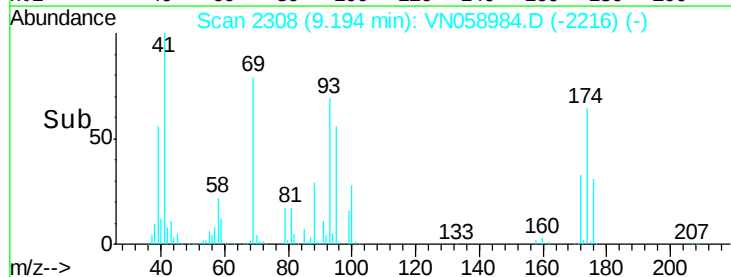
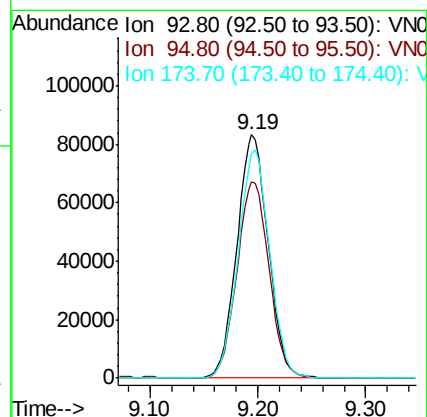
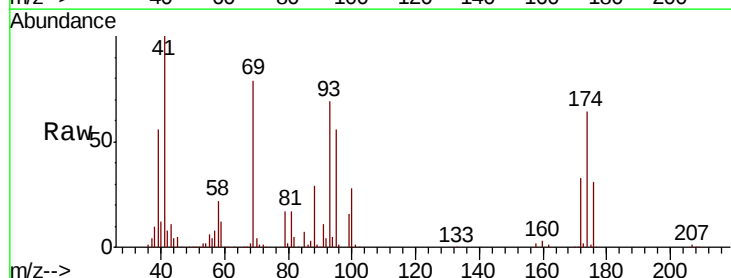
Tgt Ion: 93 Resp: 168504

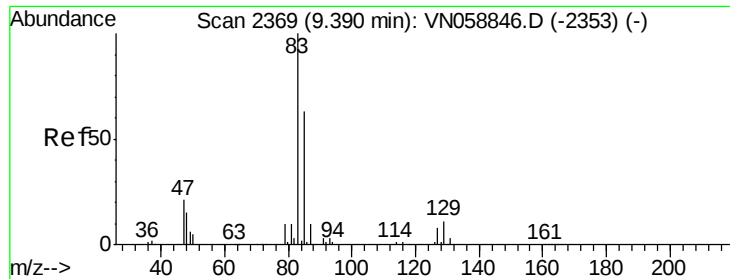
Ion Ratio Lower Upper

93 100

95 82.7 67.6 101.4

174 94.4 74.1 111.1





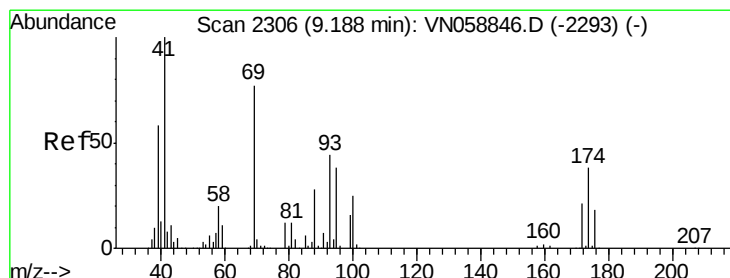
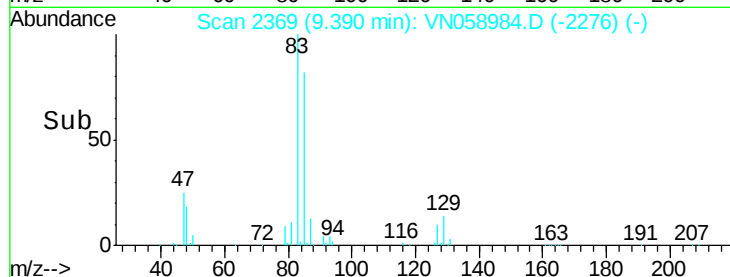
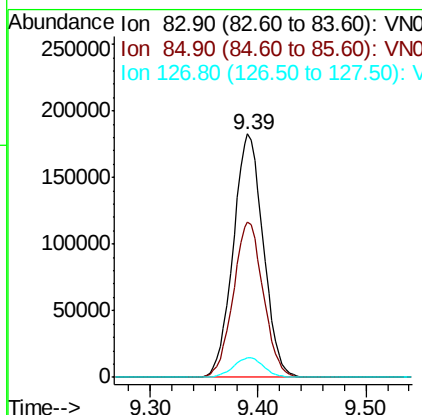
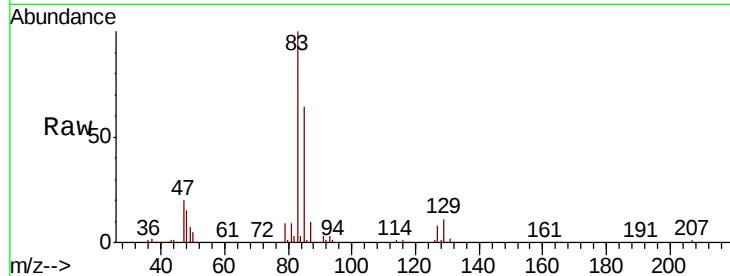
#47
Bromodichloromethane
Concen: 53.104 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.0	50.6	75.8	
127	8.2	6.5	9.7	

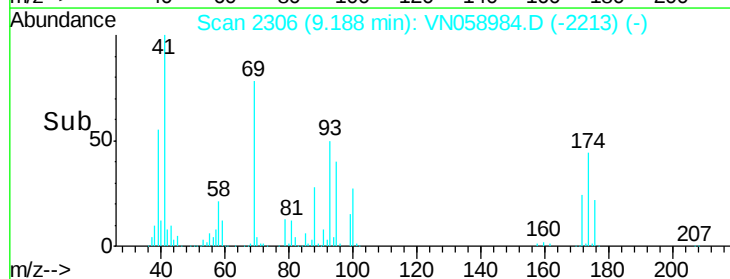
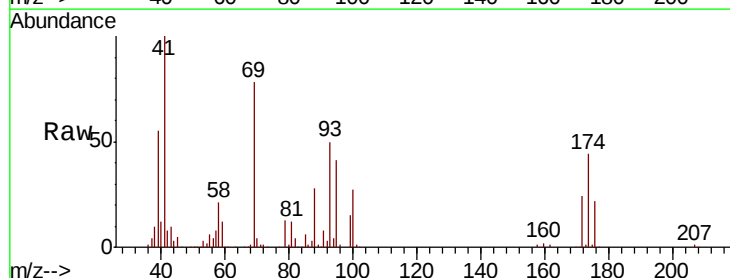
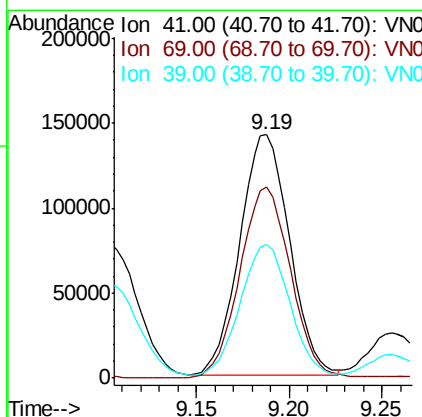
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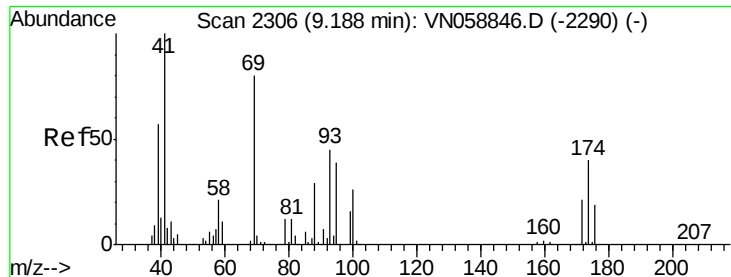
MMDadoda
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#48
Methyl methacrylate
Concen: 52.137 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	81.1	63.8	95.6	
39	56.2	47.8	71.8	





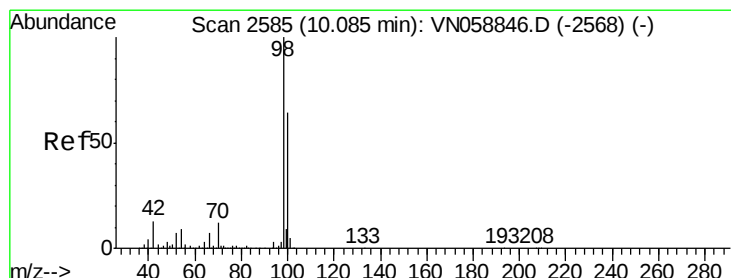
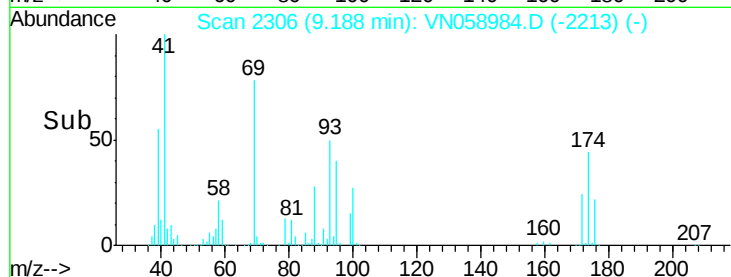
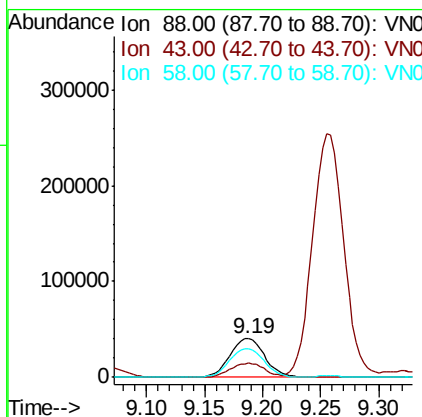
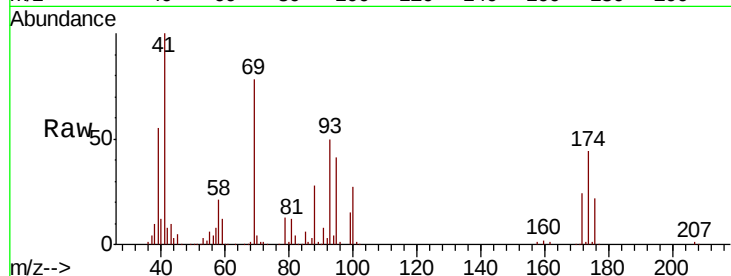
#49
1,4-Dioxane
Concen: 1023.074 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	35.1	29.1	43.7	
58	74.3	59.4	89.0	

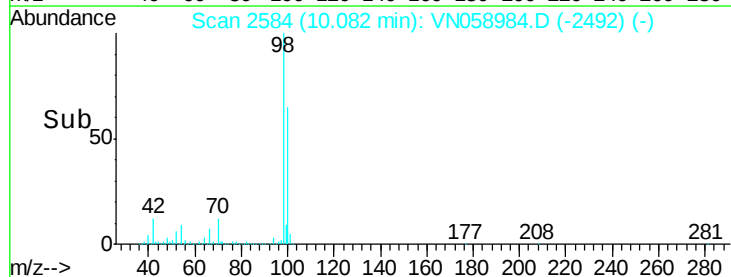
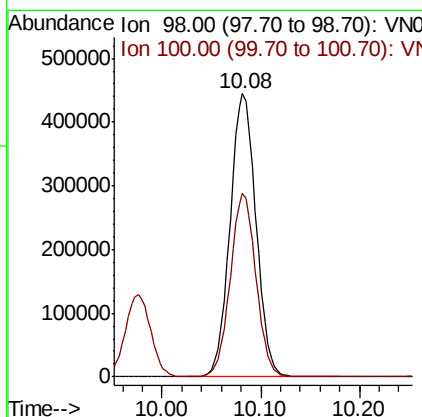
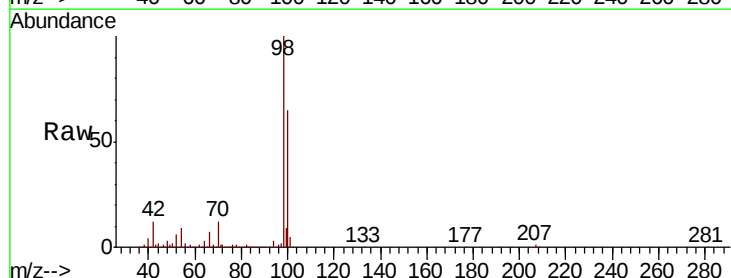
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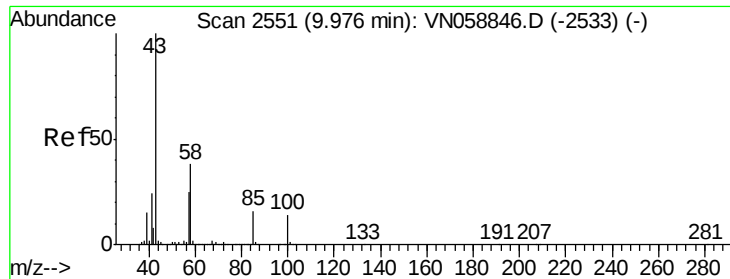
MMDadoda
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#50
Toluene-d8
Concen: 51.414 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.7	51.4	77.2	





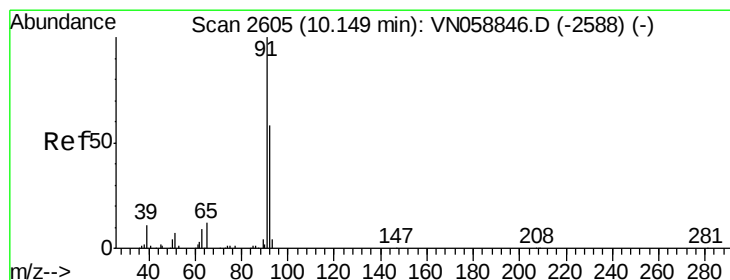
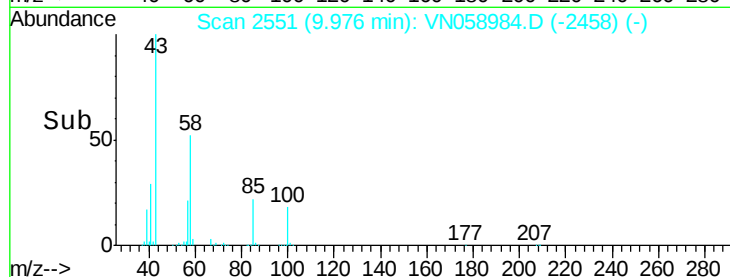
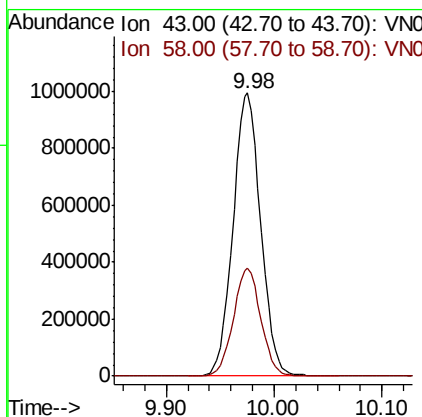
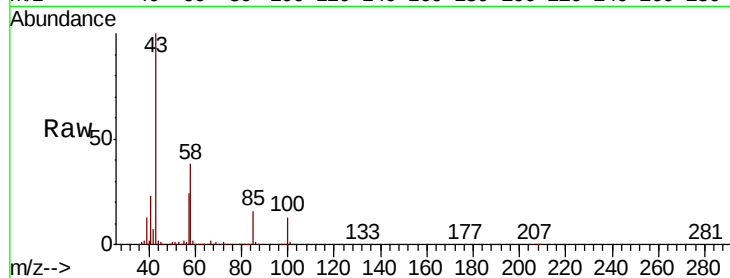
#51
 4-Methyl-2-Pentanone
 Concen: 273.077 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1775507
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.9 44.9

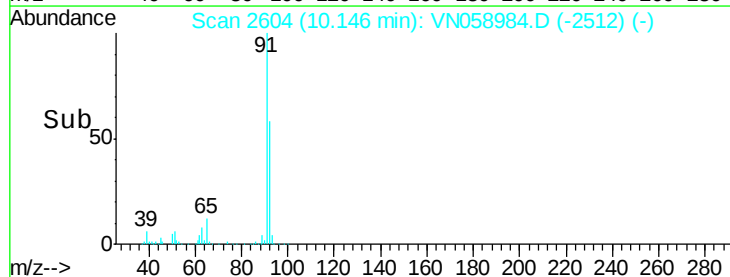
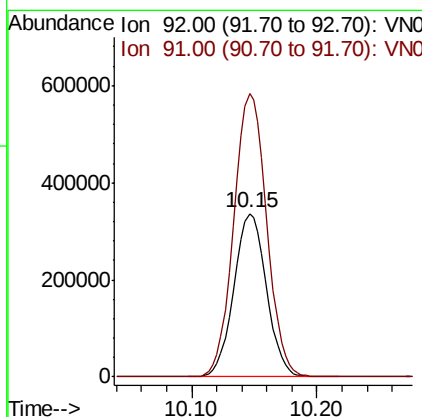
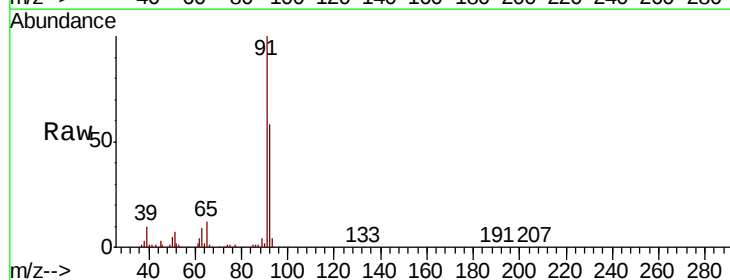
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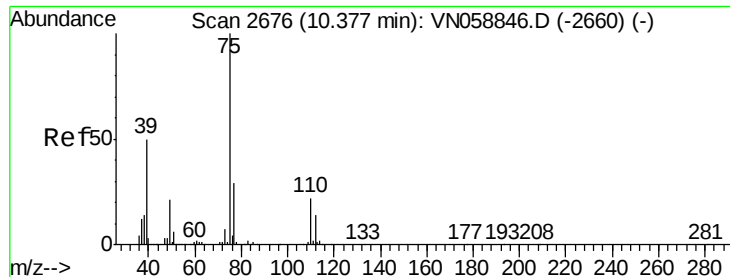
MMDadoda
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#52
 Toluene
 Concen: 54.713 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion: 92 Resp: 606905
 Ion Ratio Lower Upper
 92 100
 91 175.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 54.525 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 403401

Ion Ratio Lower Upper

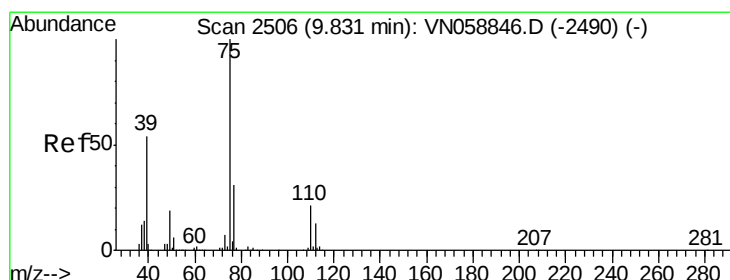
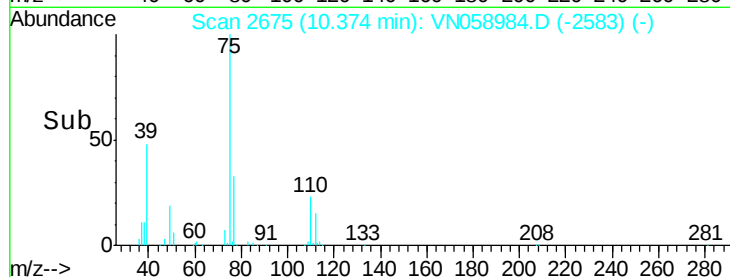
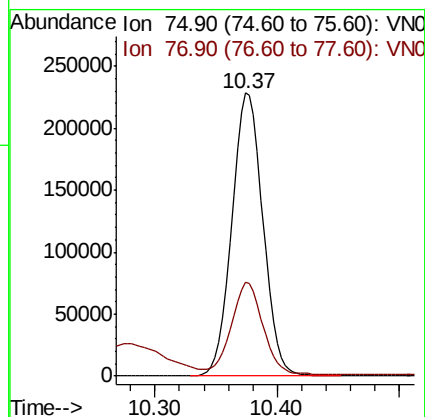
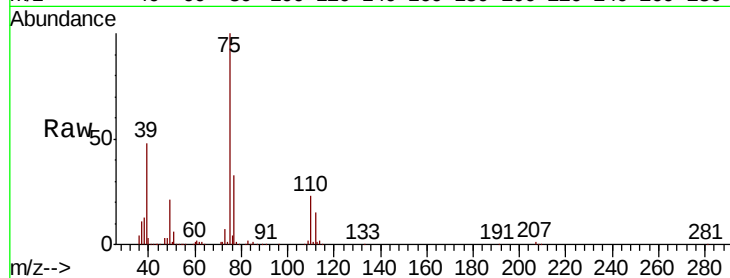
75 100

77 32.3 25.7 38.5

Manual Integrations
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10/30/2019 3:52:58 PM



#54

cis-1,3-Dichloropropene

Concen: 55.006 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

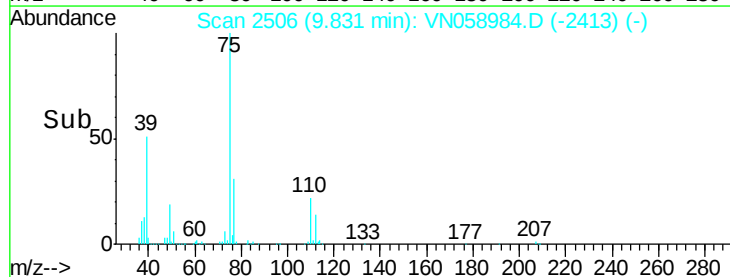
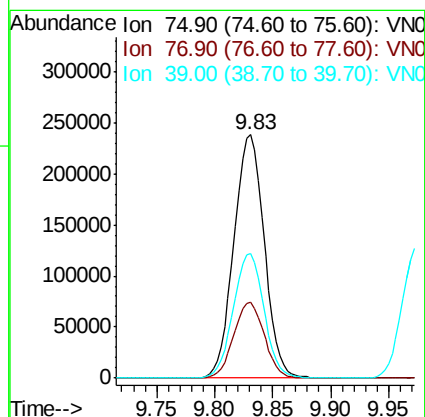
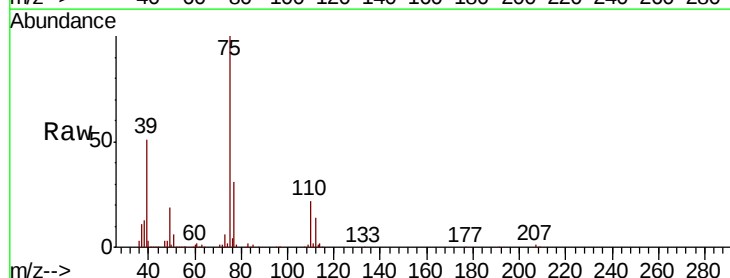
Tgt Ion: 75 Resp: 434783

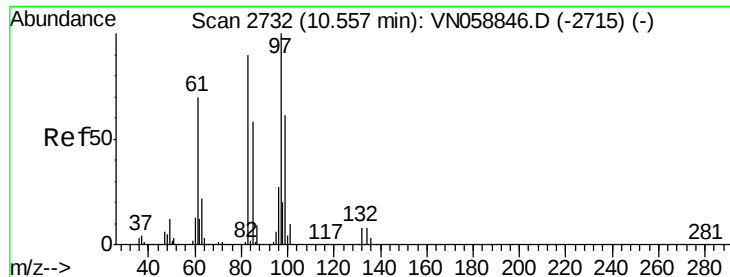
Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

39 51.0 43.5 65.3





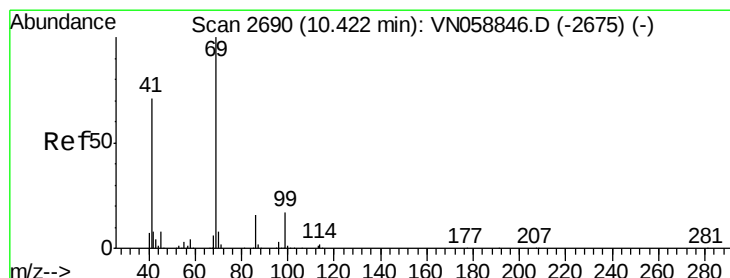
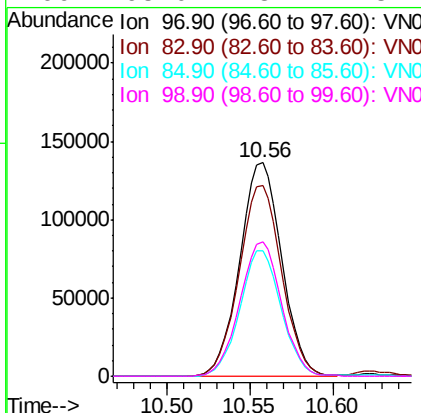
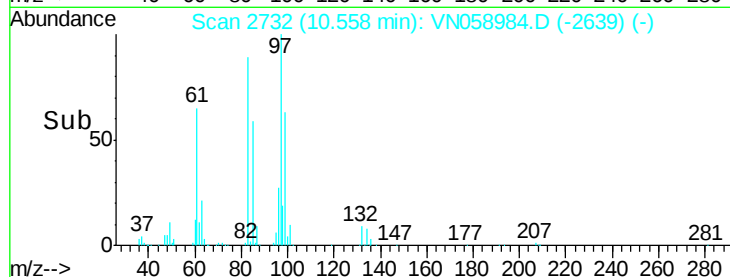
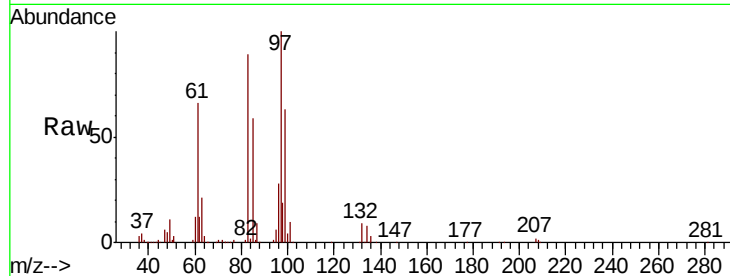
#55
 1,1,2-Trichloroethane
 Concen: 52.591 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	240319
Ion	Ratio	Lower	Upper
97	100		
83	88.9	72.2	108.4
85	58.6	46.2	69.2
99	63.0	48.7	73.1

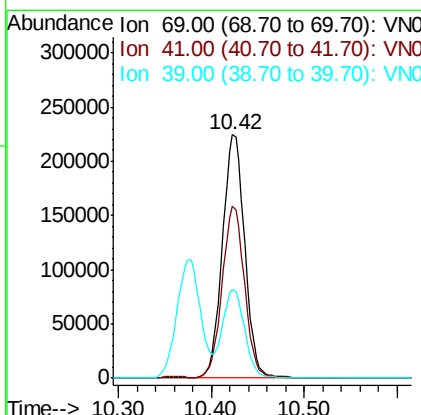
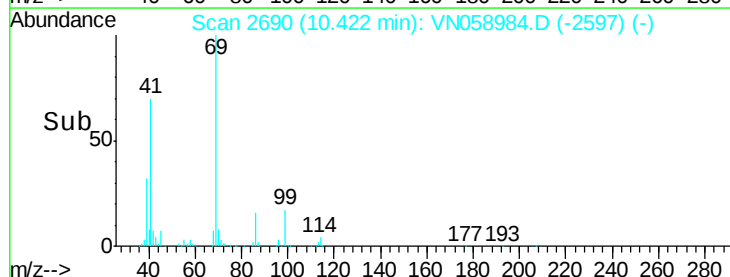
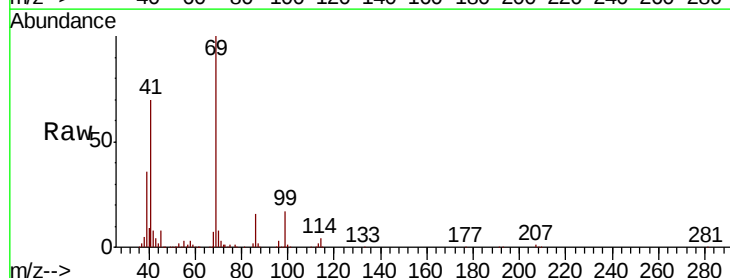
Manual Integrations
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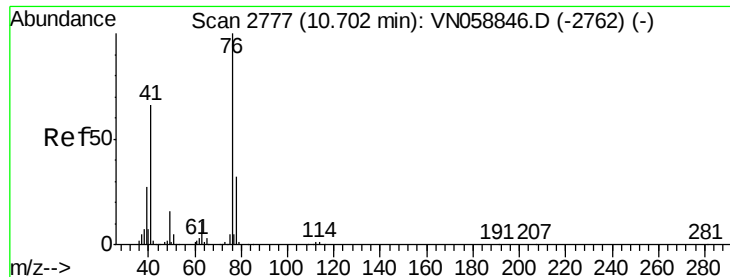
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#56
 Ethyl methacrylate
 Concen: 49.045 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion:	69	Resp:	376142
Ion	Ratio	Lower	Upper
69	100		
41	69.9	57.2	85.8
39	36.0	31.0	46.4





#57

1,3-Dichloropropane

Concen: 53.198 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 426658

Ion Ratio Lower Upper

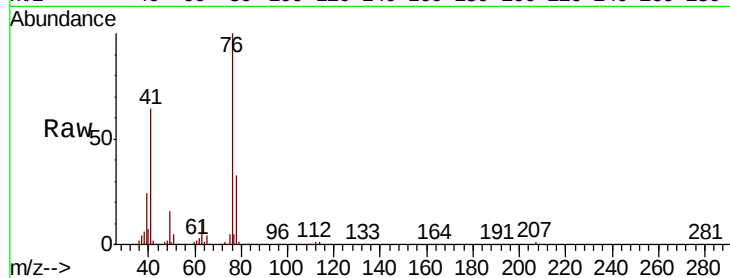
76 100

78 32.4 25.4 38.0

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

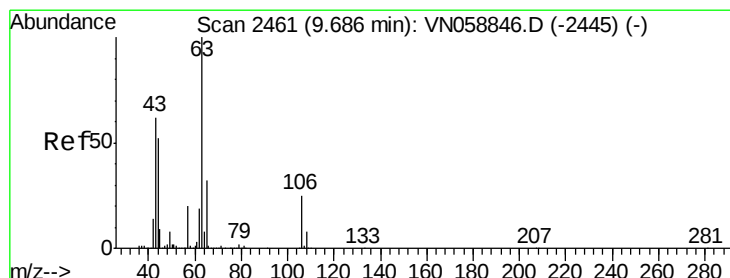
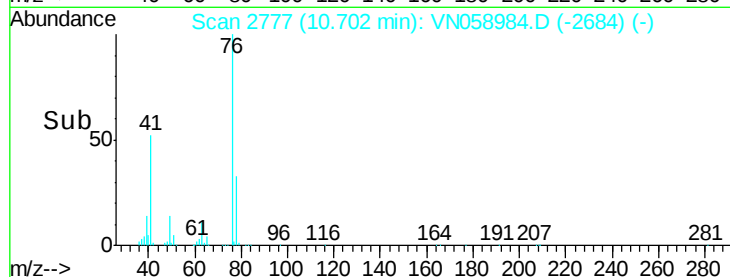
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 271.485 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058984.D

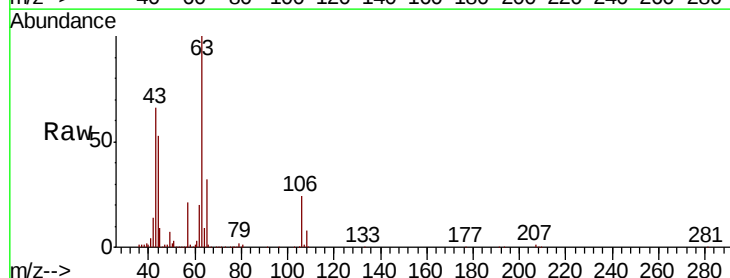
Acq: 28 Oct 2019 9:33

Tgt Ion: 63 Resp: 881584

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

500000

400000

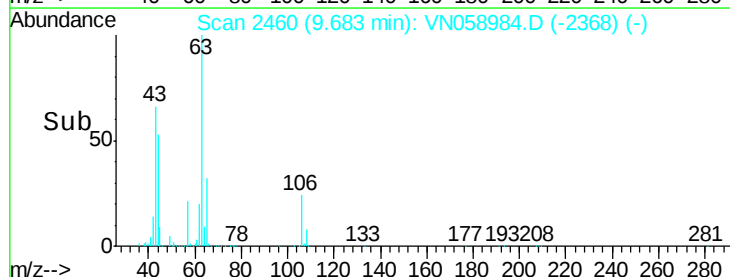
300000

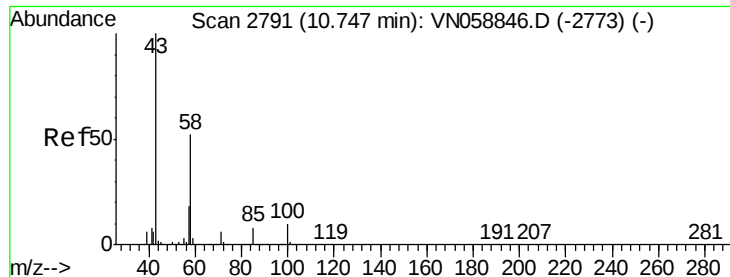
200000

100000

0

Time-->





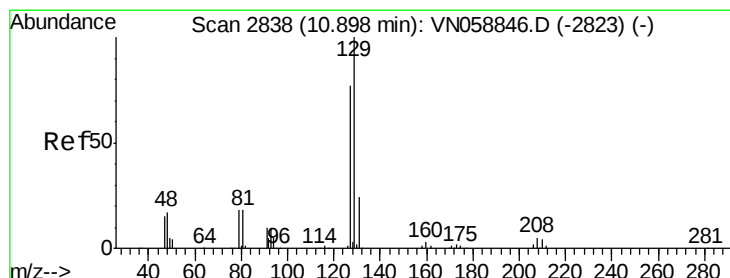
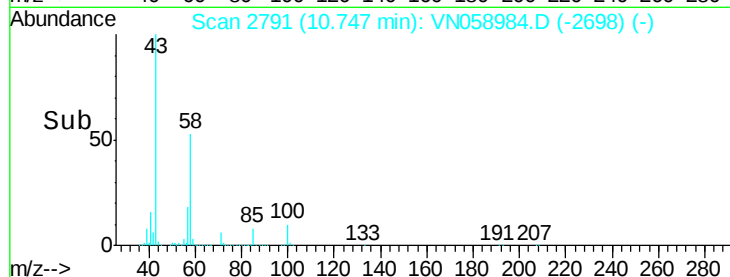
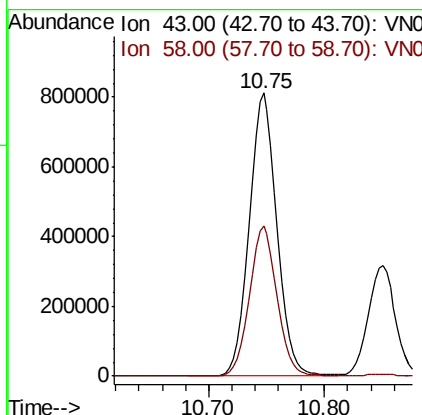
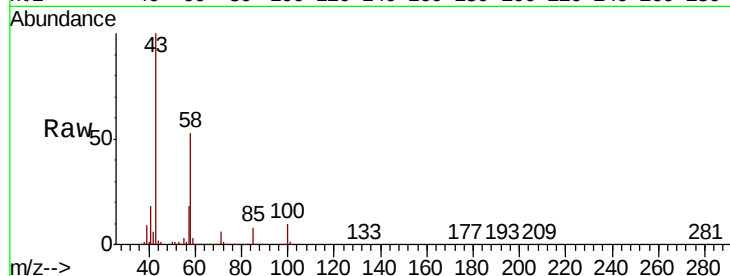
#59
2-Hexanone
Concen: 269.080 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1351909
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.7

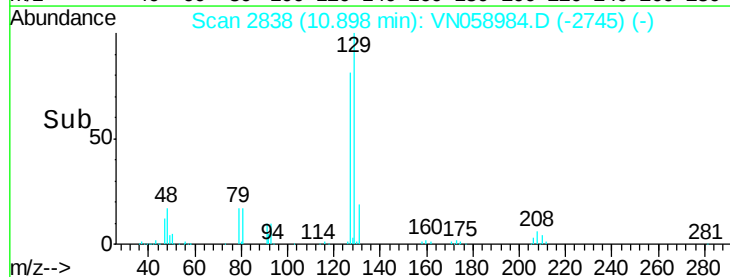
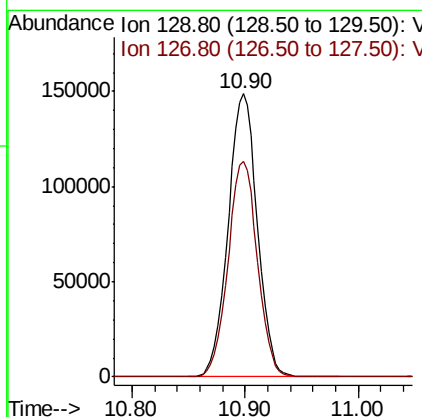
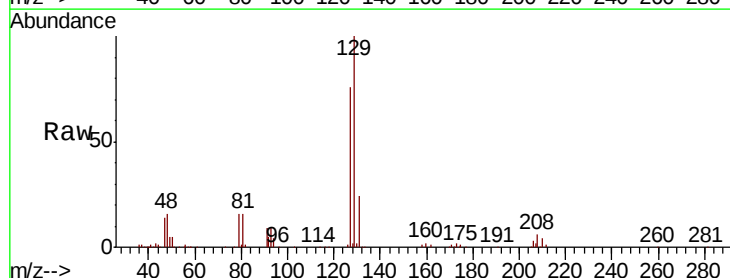
Manual Integrations
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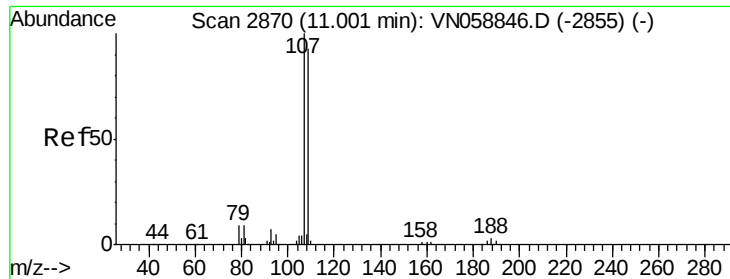
MMDadoda
10/30/2019 3:52:58 PM



#60
Dibromochloromethane
Concen: 54.201 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 129 Resp: 266586
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





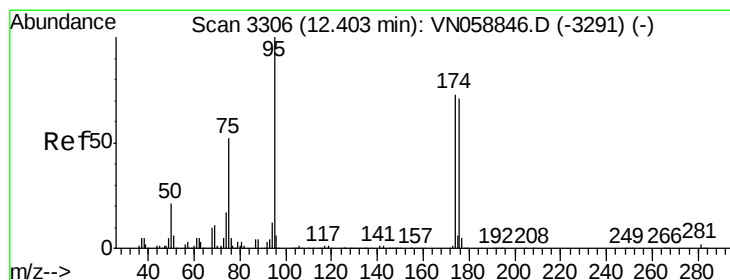
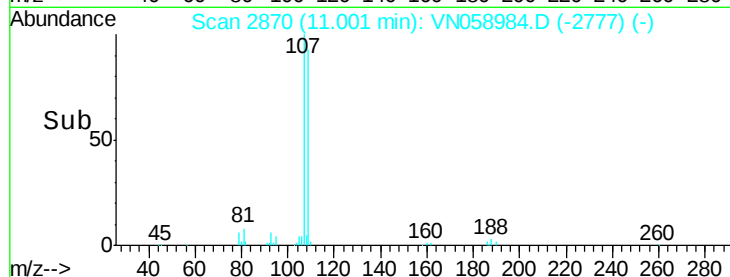
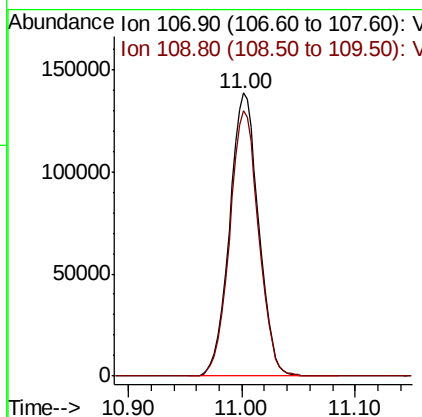
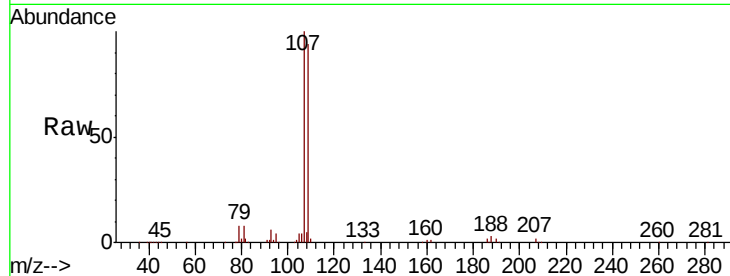
#61
 1,2-Dibromoethane
 Concen: 52.751 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	246686		
109	93.9	75.2	112.8	

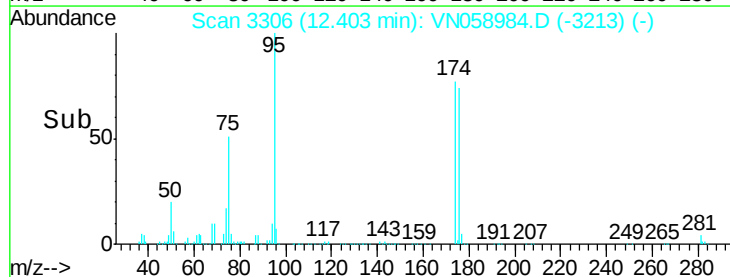
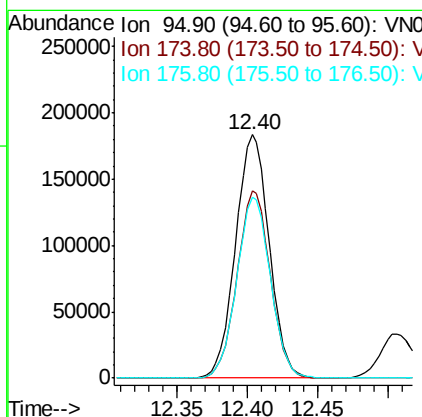
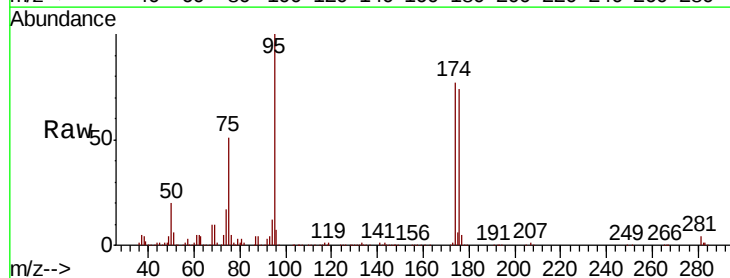
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.644 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	306991		
174	76.0	0.0	147.6	
176	74.4	0.0	143.2	





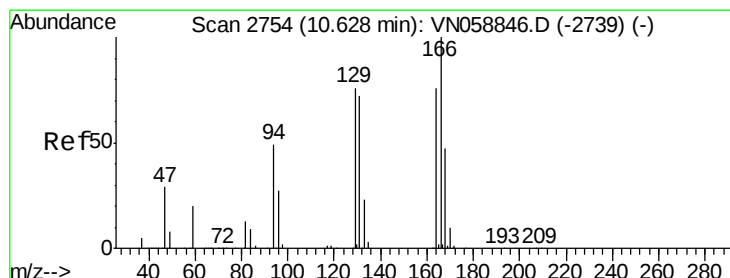
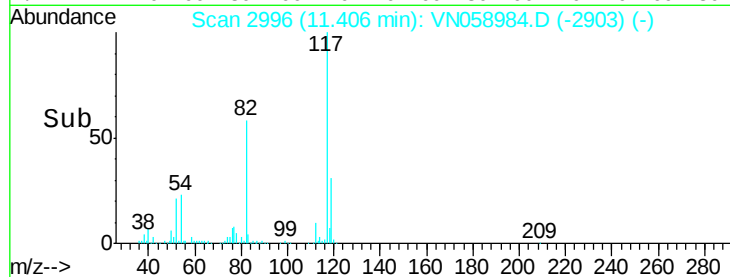
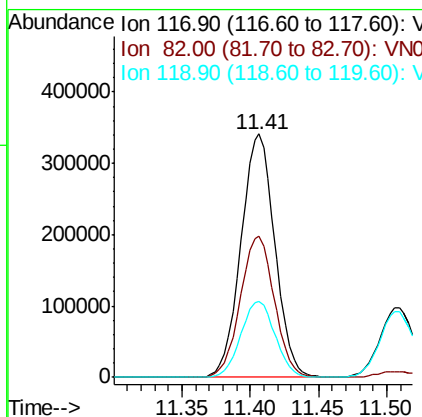
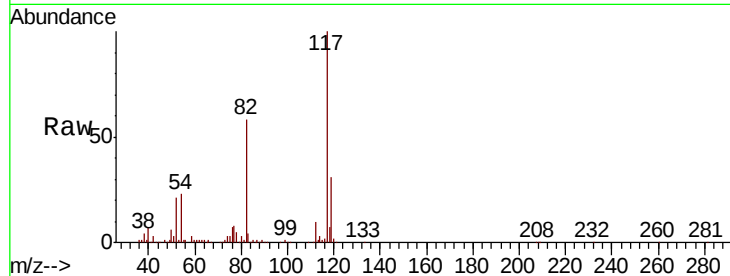
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	57.8	46.6	69.8
119	31.3	25.6	38.4

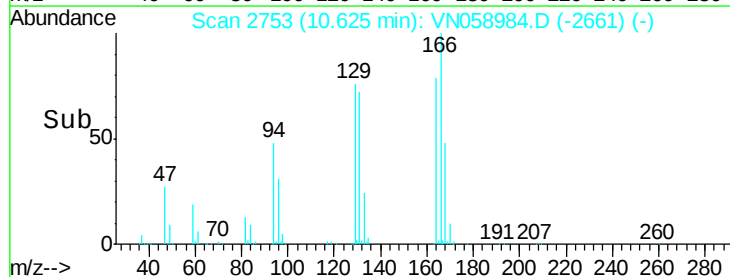
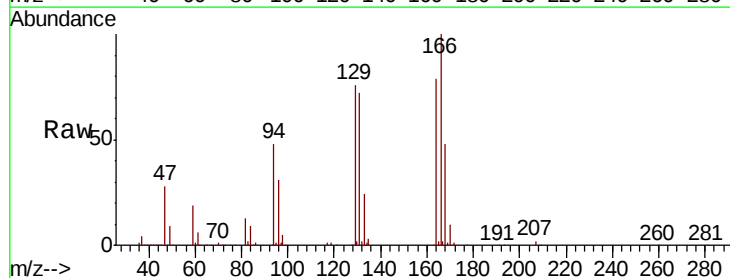
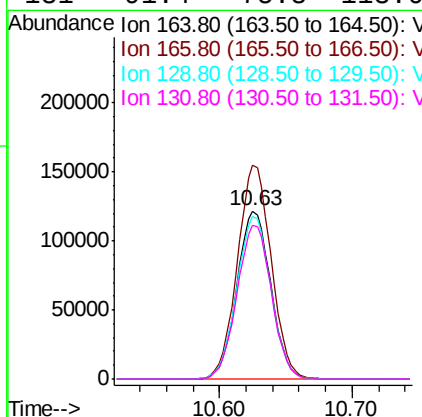
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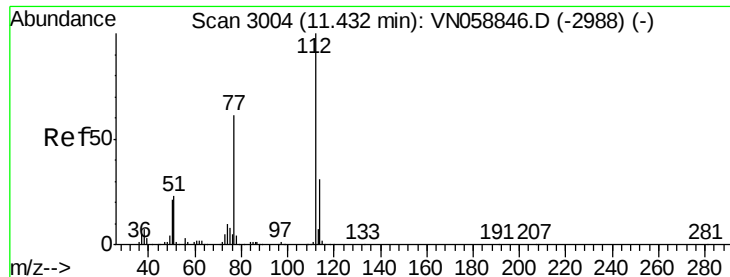
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#64
Tetrachloroethene
Concen: 52.421 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	127.1	104.8	157.2
129	96.5	79.3	118.9
131	91.4	75.8	113.6





#65

Chlorobenzene

Concen: 53.448 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 639985

Ion Ratio Lower Upper

112 100

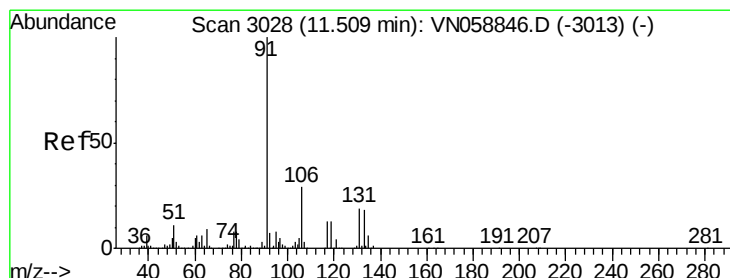
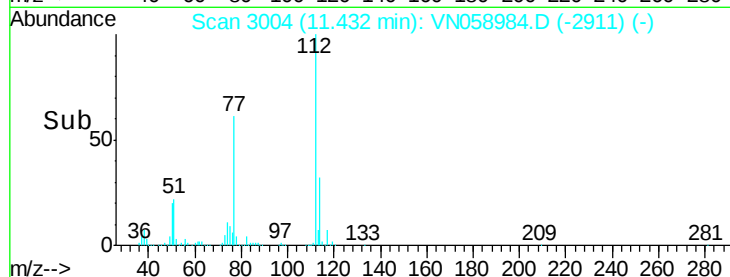
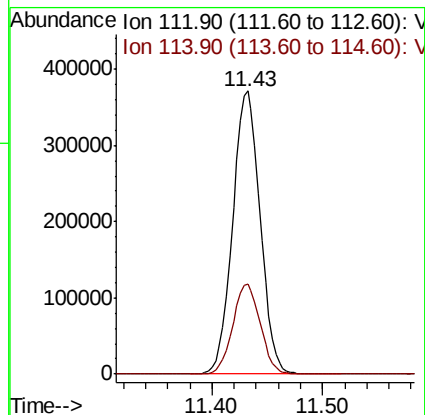
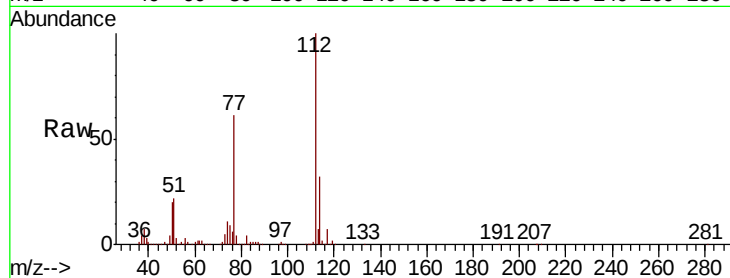
114 31.7 25.1 37.7

Manual Integrations

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10/30/2019 3:52:58 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 53.749 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

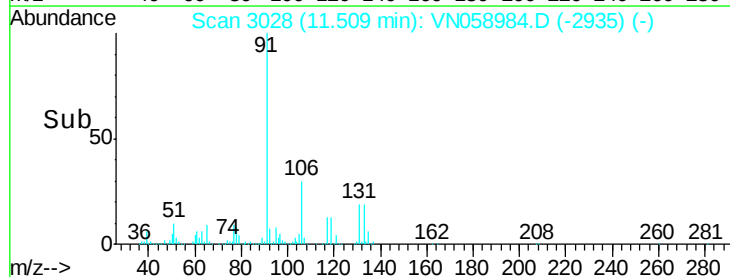
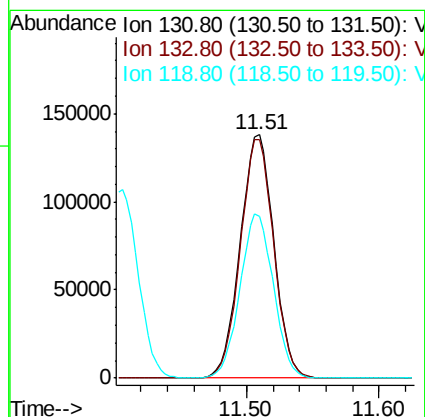
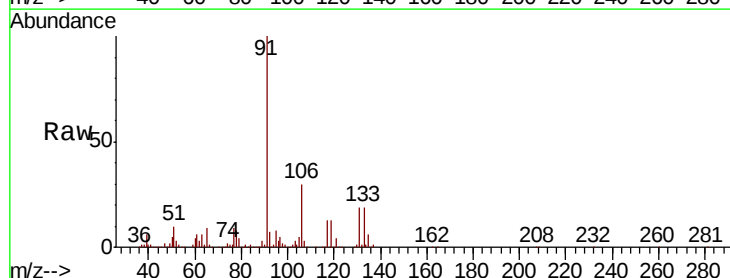
Tgt Ion:131 Resp: 242866

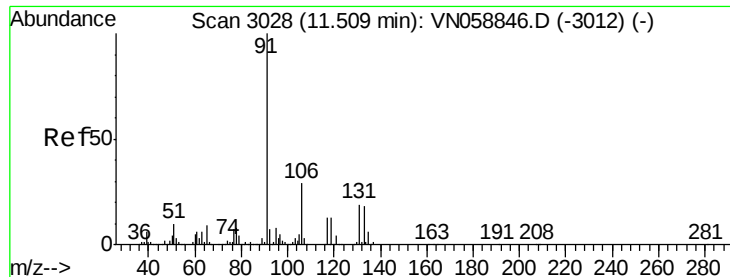
Ion Ratio Lower Upper

131 100

133 97.3 48.4 145.2

119 67.0 33.6 100.8





#67

Ethyl Benzene

Concen: 56.530 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1187427

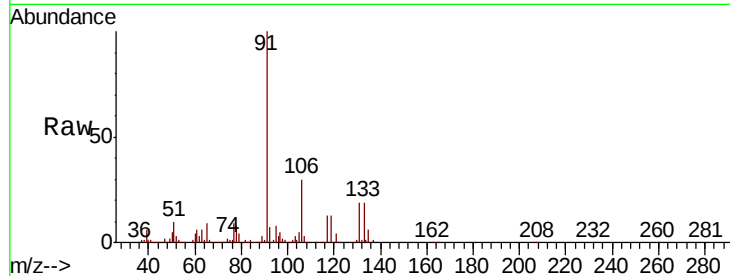
Ion Ratio Lower Upper

91 100

106 29.7 23.4 35.0

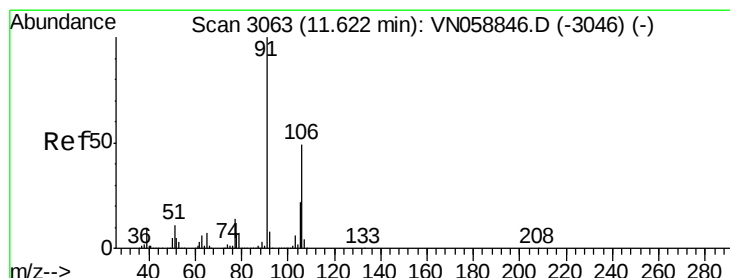
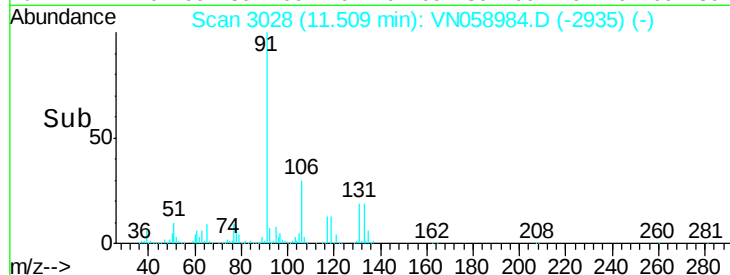
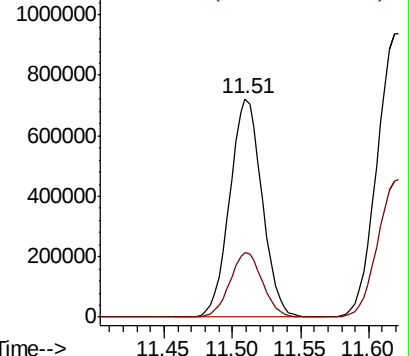
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 112.544 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058984.D

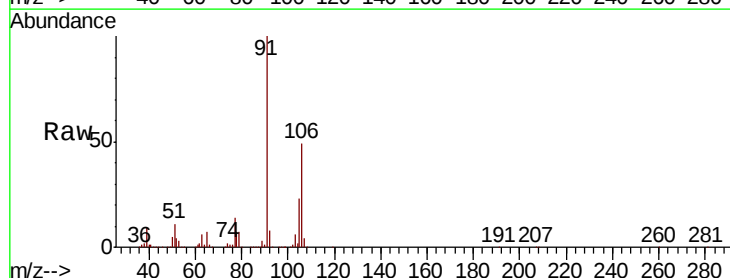
Acq: 28 Oct 2019 9:33

Tgt Ion: 106 Resp: 876684

Ion Ratio Lower Upper

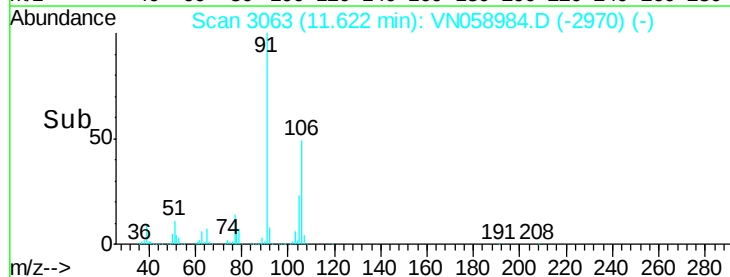
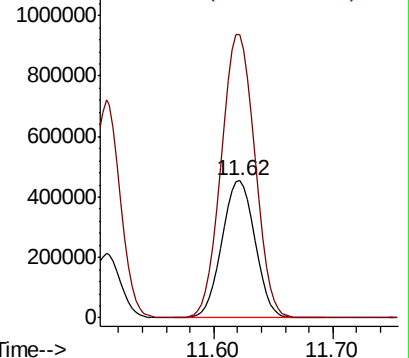
106 100

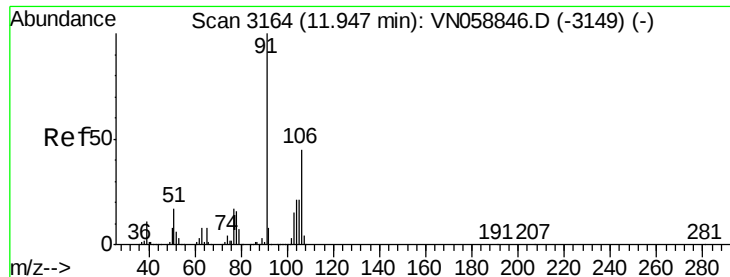
91 209.4 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





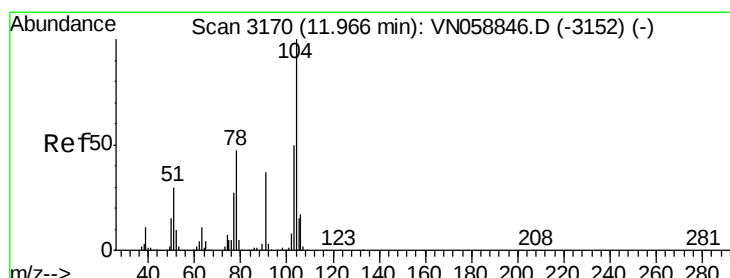
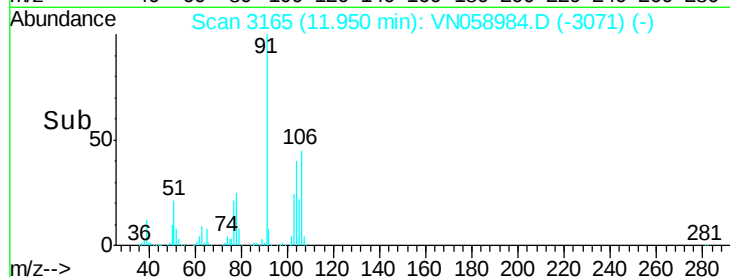
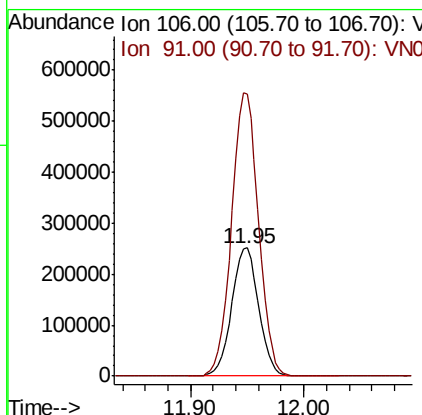
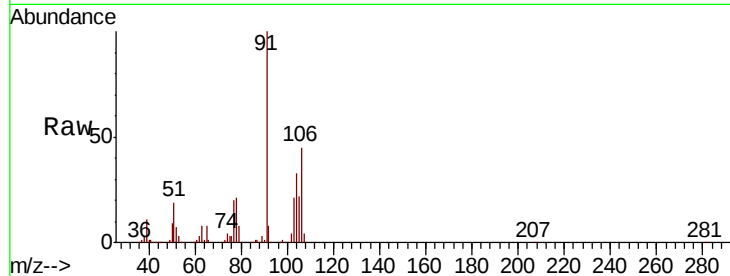
#69
o-Xylene
Concen: 56.130 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 417006
Ion Ratio Lower Upper
106 100
91 220.5 111.5 334.4

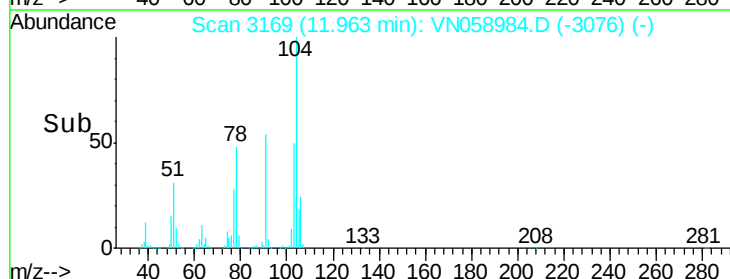
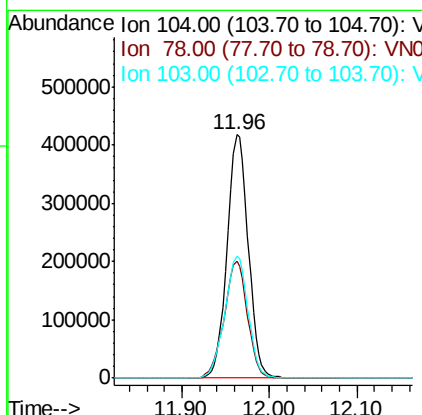
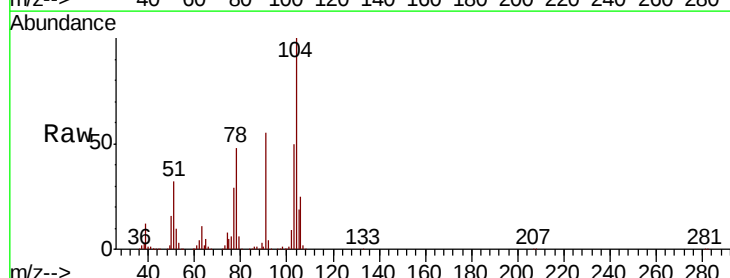
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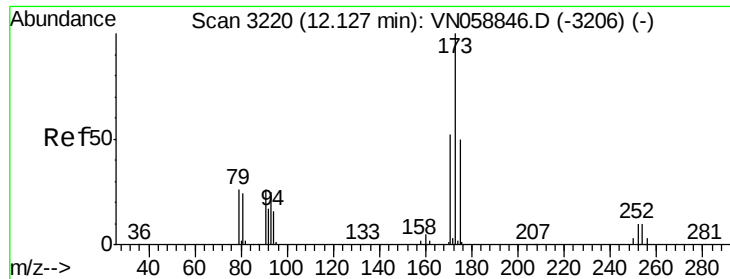
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#70
Styrene
Concen: 51.356 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion:104 Resp: 704929
Ion Ratio Lower Upper
104 100
78 52.6 42.8 64.2
103 54.8 44.3 66.5





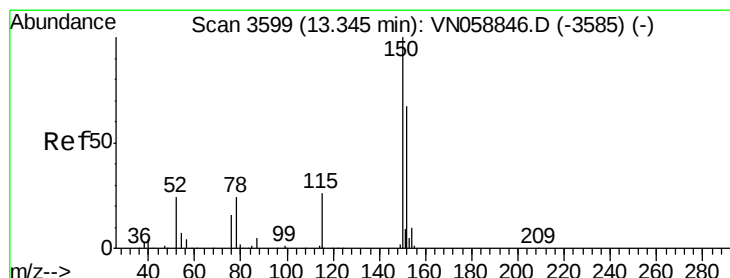
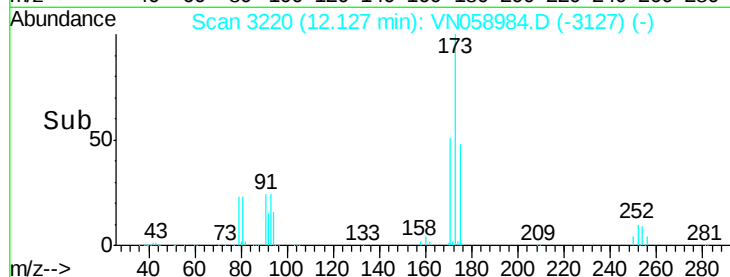
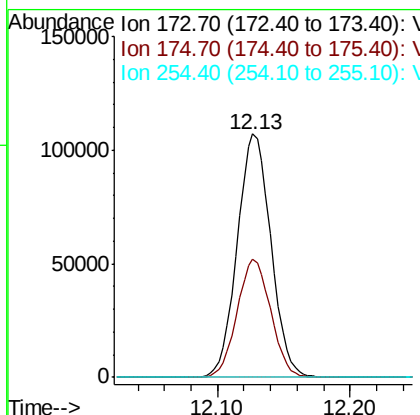
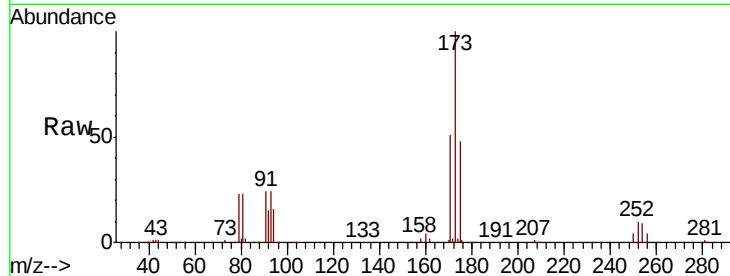
#71
Bromoform
Concen: 53.899 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.1	0.0	0.0#

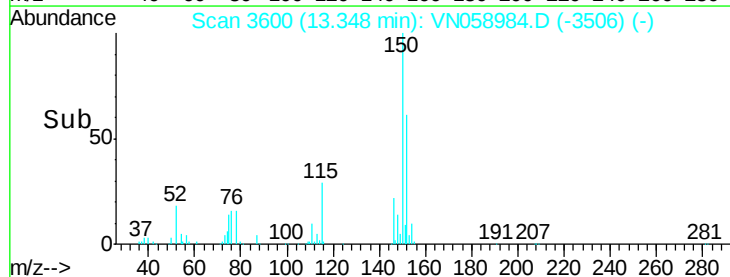
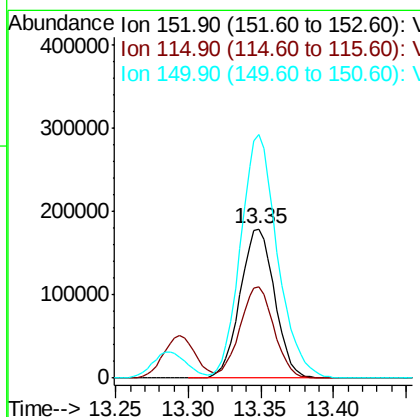
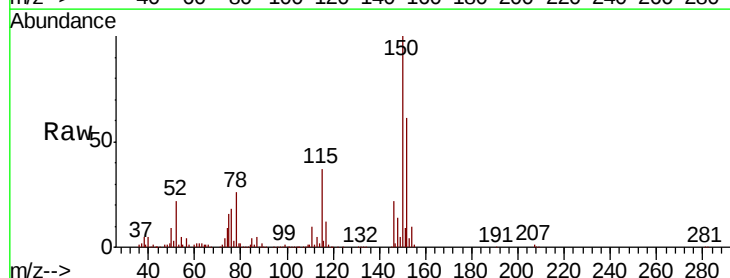
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.5	91.5
150	174.5	0.0	344.4





#73

Isopropylbenzene

Concen: 53.021 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1146232

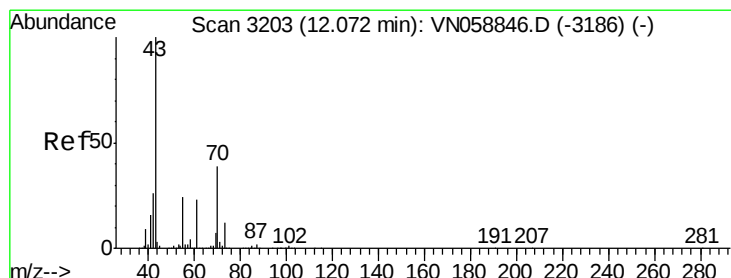
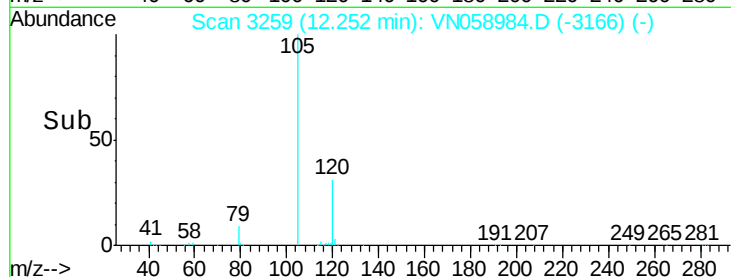
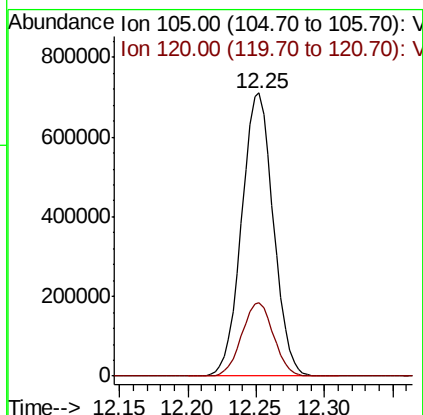
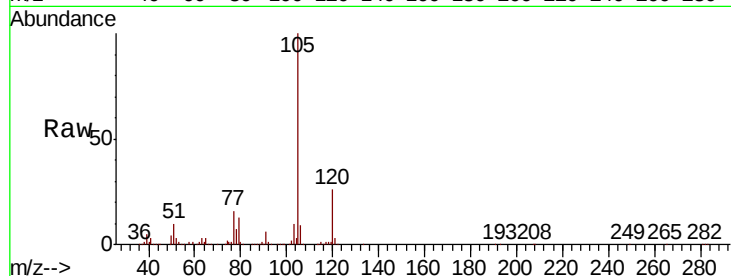
Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 50.942 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion: 43 Resp: 499282

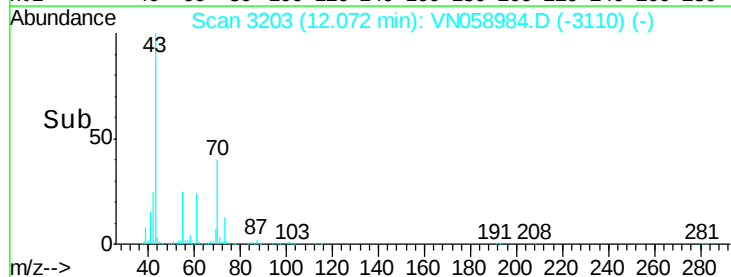
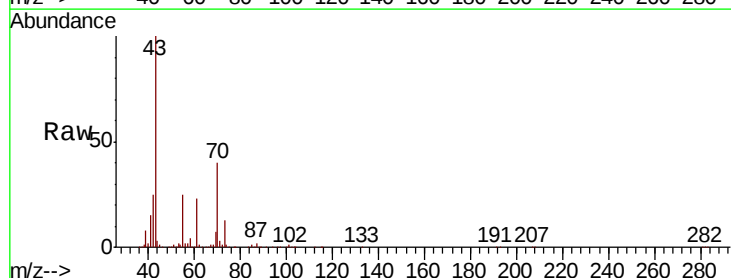
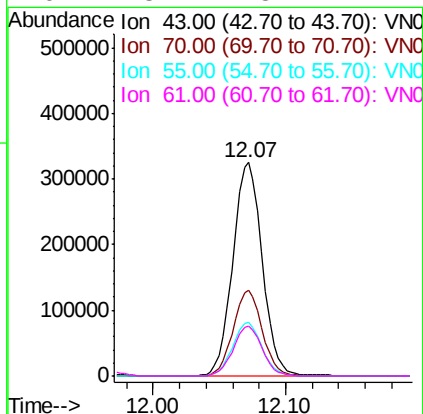
Ion Ratio Lower Upper

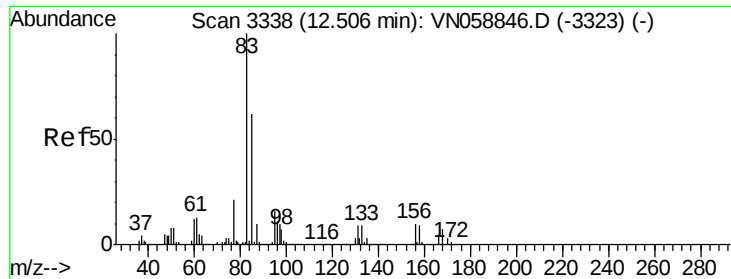
43 100

70 40.0 30.9 46.3

55 25.3 19.7 29.5

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.383 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 367788

Ion Ratio Lower Upper

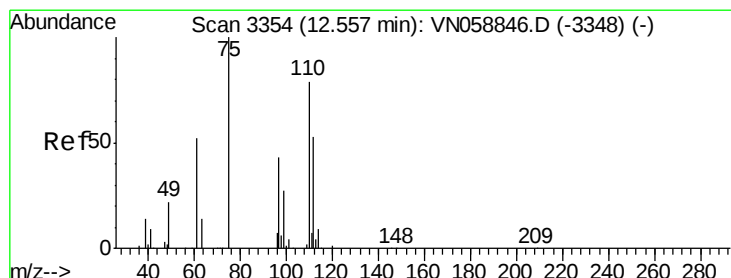
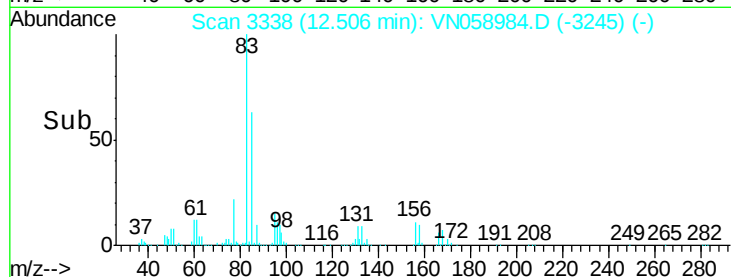
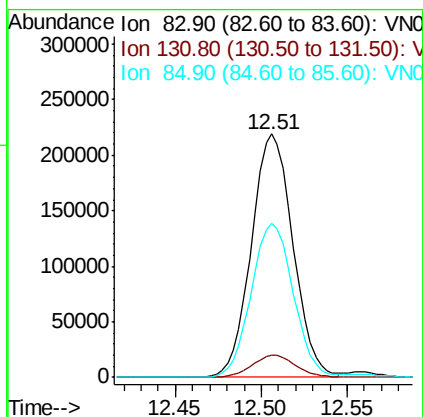
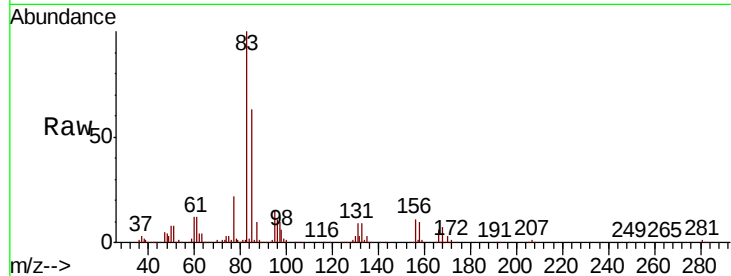
83 100

131 9.4 4.7 14.1

85 63.9 31.7 95.1

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#76

1,2,3-Trichloropropane

Concen: 41.933 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058984.D

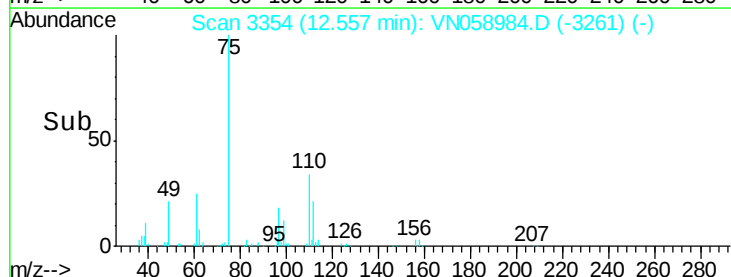
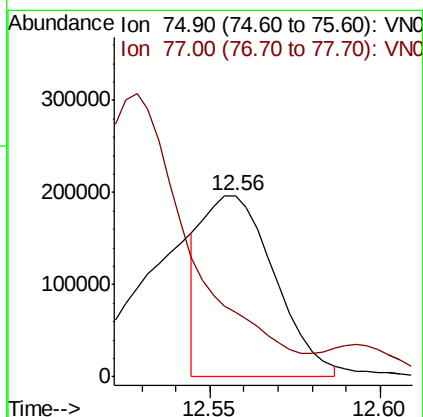
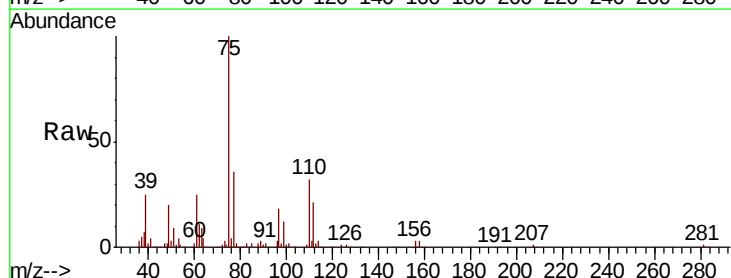
Acq: 28 Oct 2019 9:33

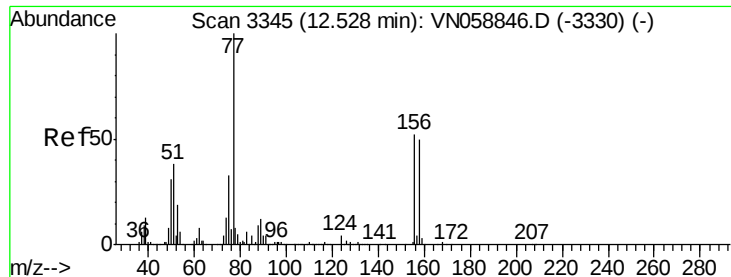
Tgt Ion: 75 Resp: 287485

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.921 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

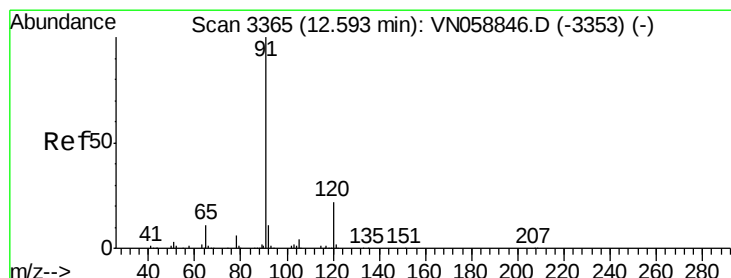
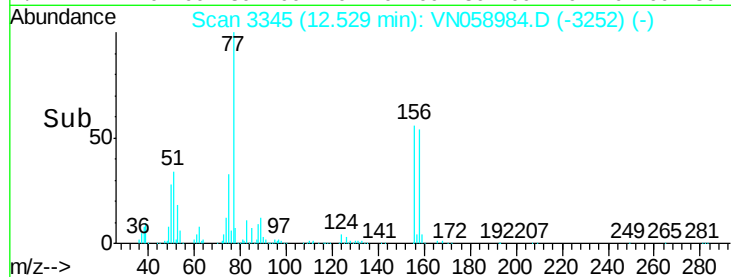
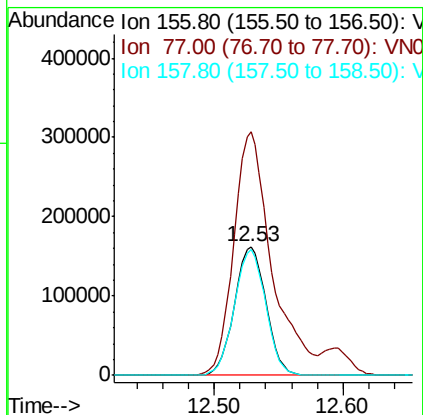
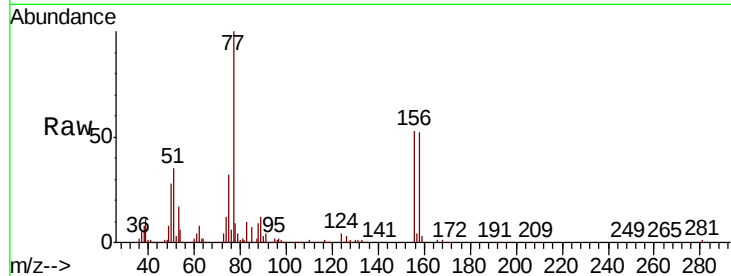
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	227.8	118.0	354.0	
158	96.7	48.3	144.8	

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#78

n-propylbenzene

Concen: 53.668 ug/l

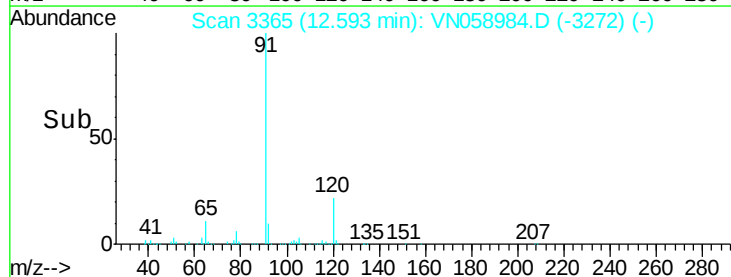
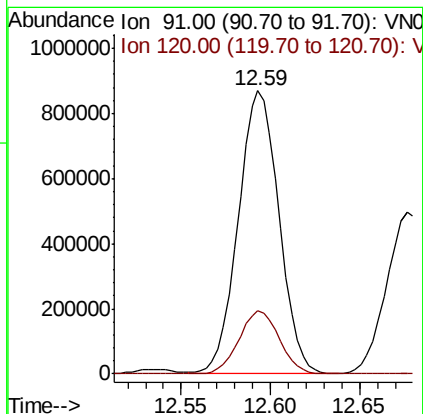
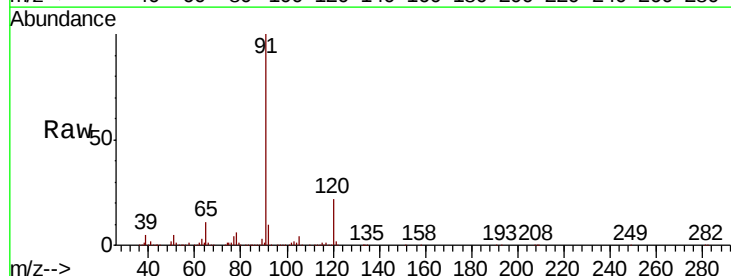
RT: 12.59 min Scan# 3365

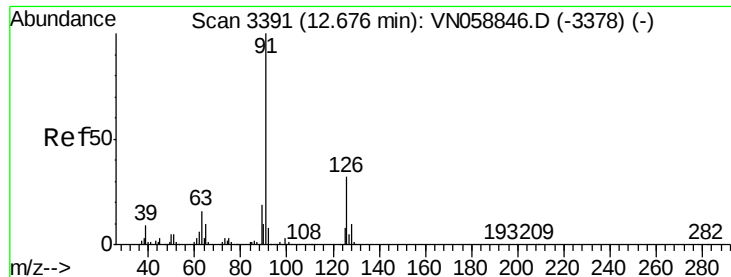
Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	11.1	33.1	





#79

2-Chlorotoluene

Concen: 52.087 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 814645

Ion Ratio Lower Upper

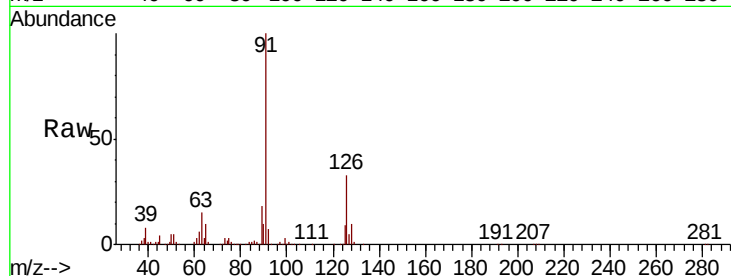
91 100

126 33.0 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

600000

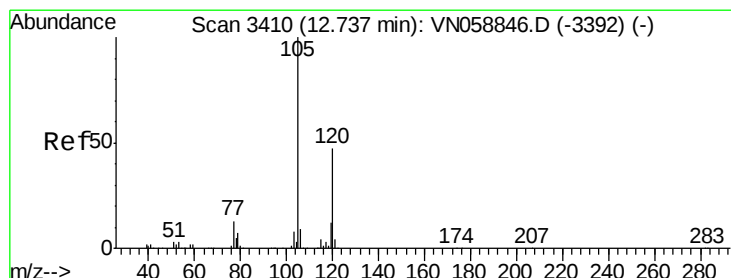
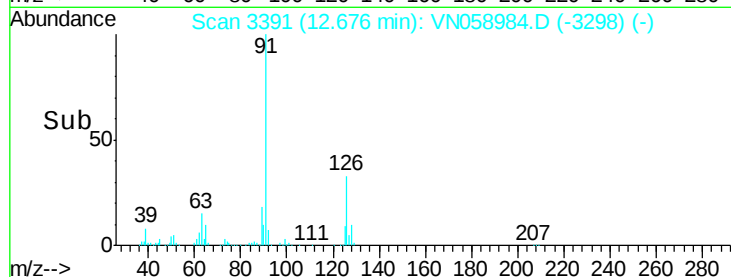
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.855 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058984.D

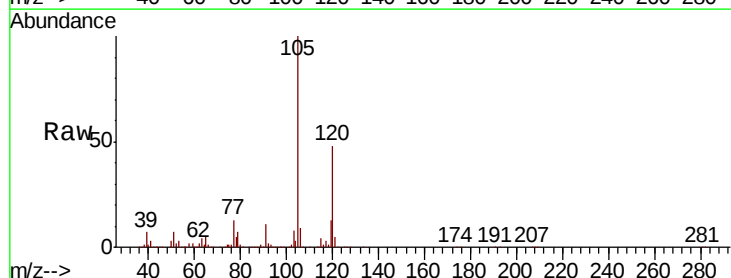
Acq: 28 Oct 2019 9:33

Tgt Ion: 105 Resp: 996367

Ion Ratio Lower Upper

105 100

120 47.6 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058984.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058984.D (-3317) (-)

600000

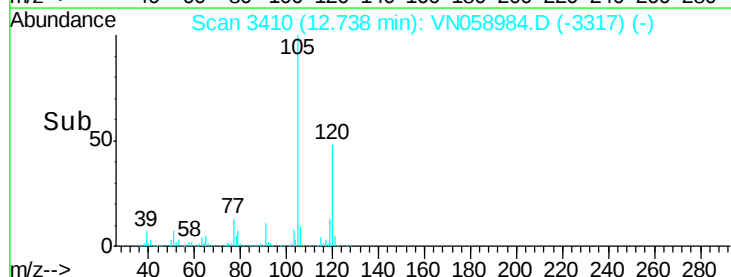
400000

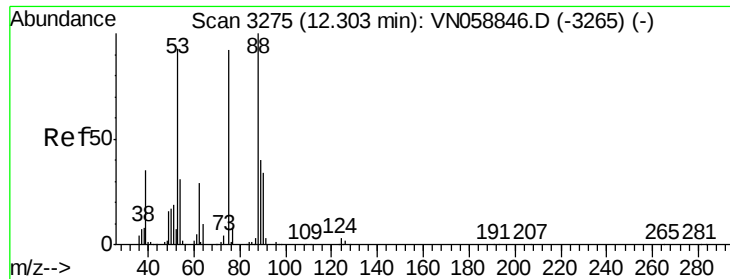
200000

0

12.70 12.74 12.80

Time-->





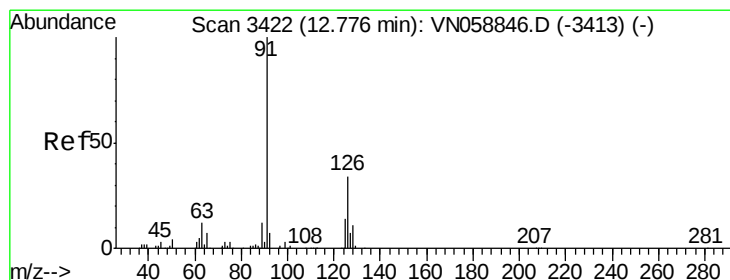
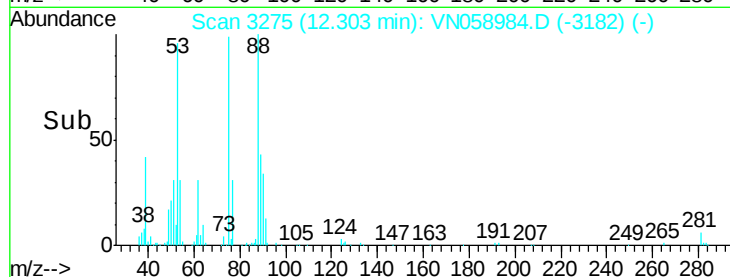
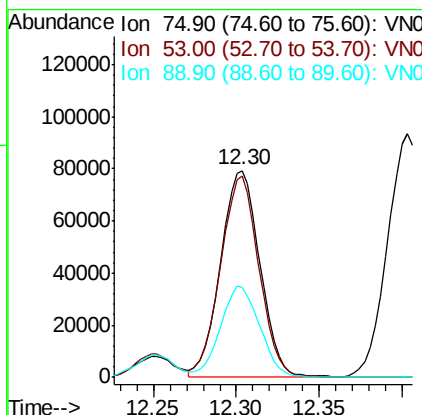
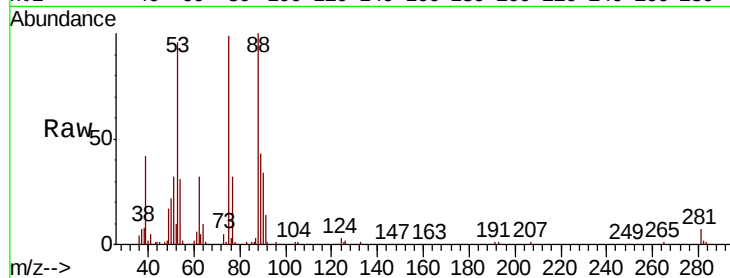
#81
trans-1,4-Dichloro-2-butene
Concen: 49.244 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	78.6	118.0
89	44.6	35.4	53.0

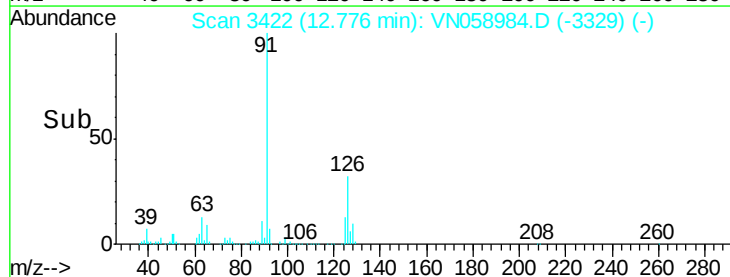
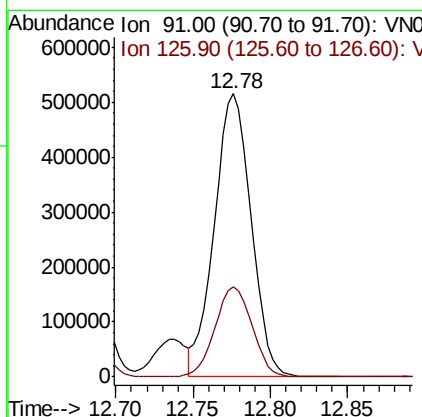
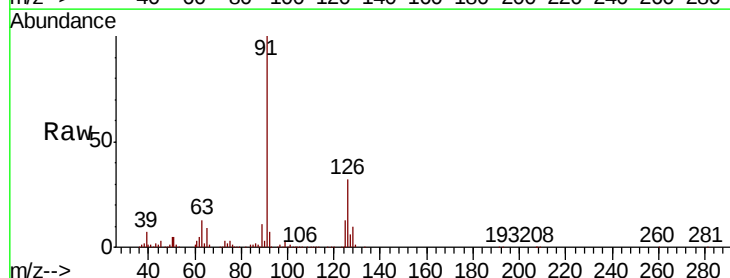
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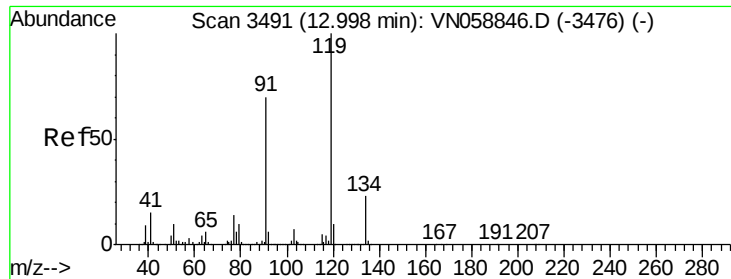
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.144 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.0	47.9





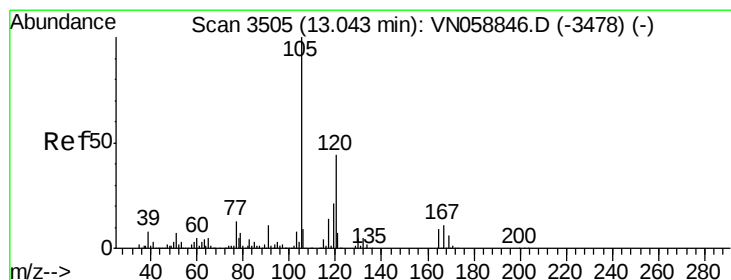
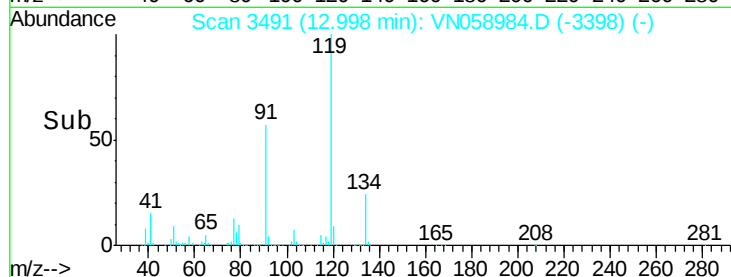
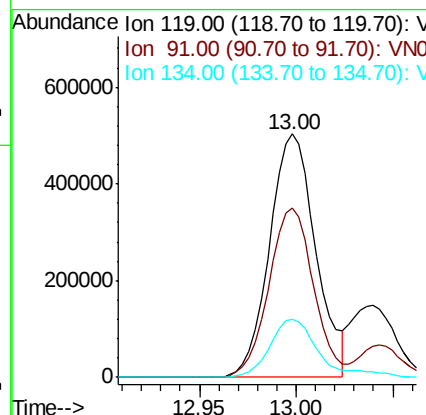
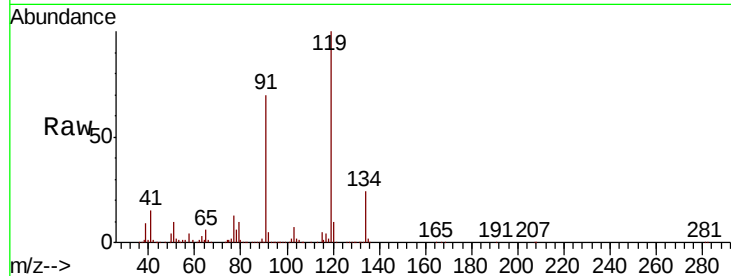
#83
 tert-Butylbenzene
 Concen: 54.002 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.1	102.3
134	25.4	11.6	34.8

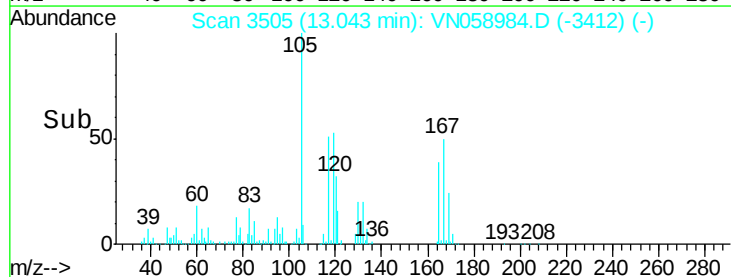
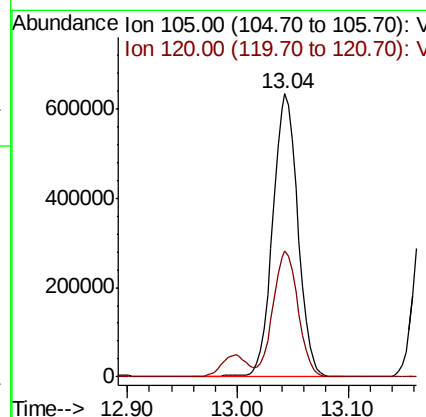
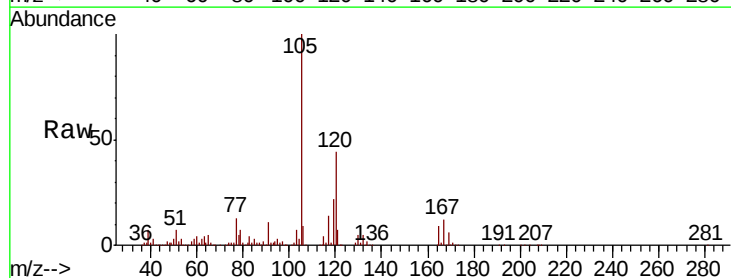
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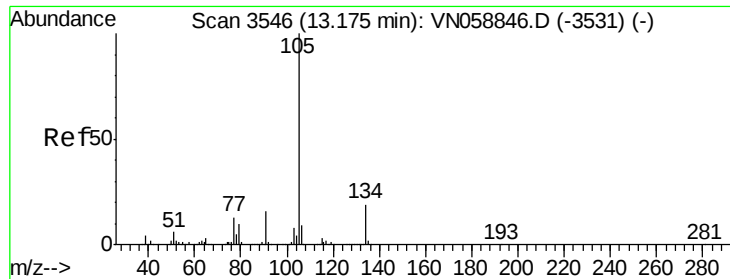
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.081 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.9	65.8





#85

sec-Butylbenzene

Concen: 55.006 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1139087

Ion Ratio Lower Upper

105 100

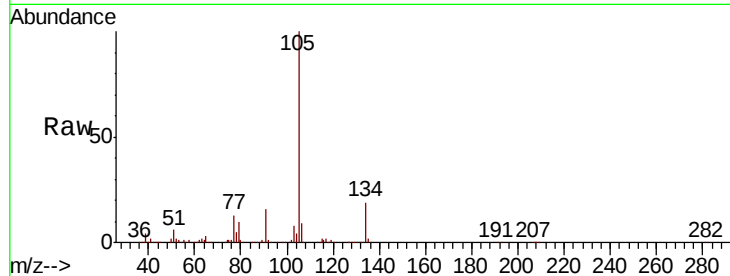
134 19.5 9.4 28.2

Manual Integrations

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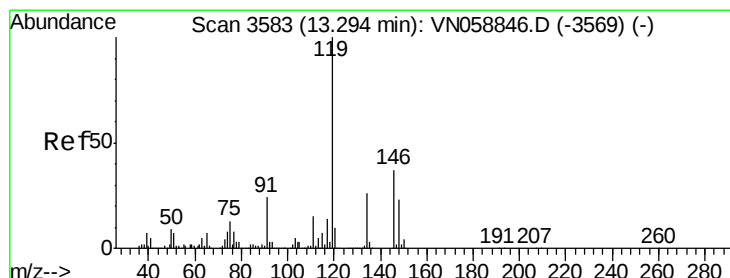
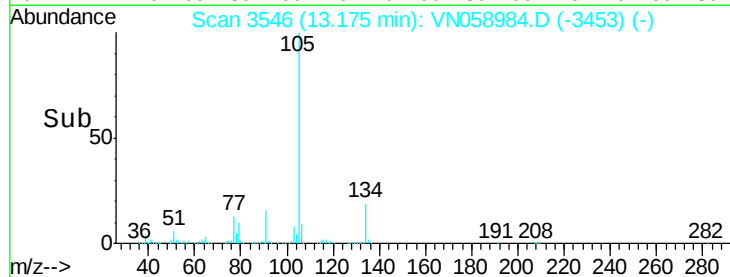
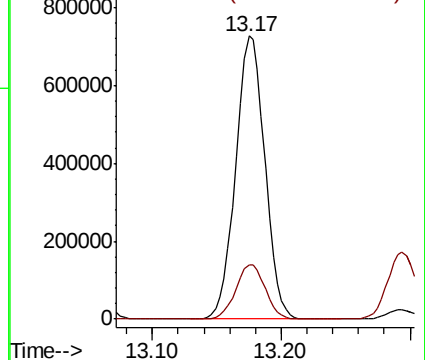
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.739 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

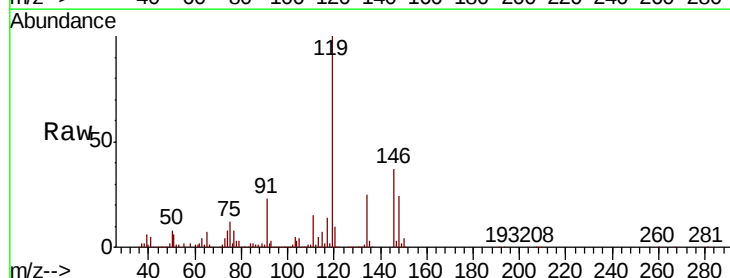
Tgt Ion:119 Resp: 1036743

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

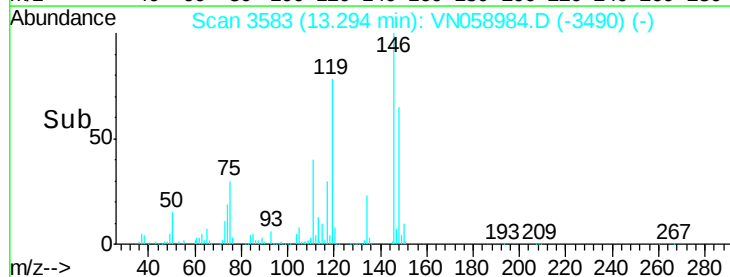
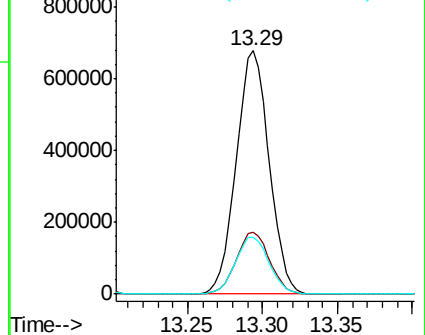
91 23.9 12.2 36.4

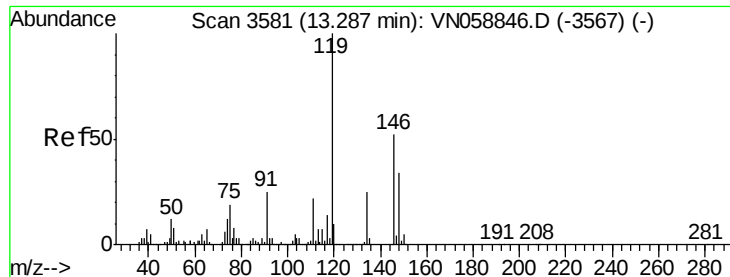


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.255 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

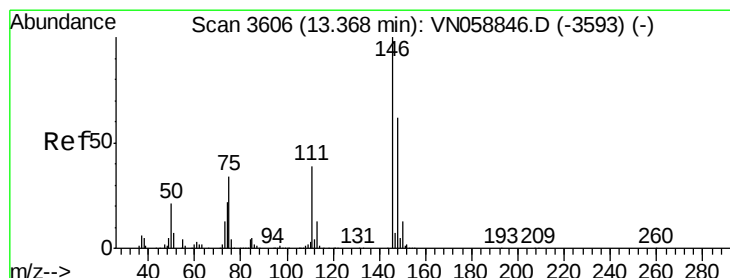
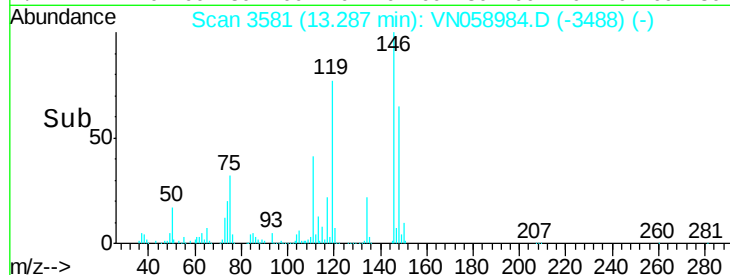
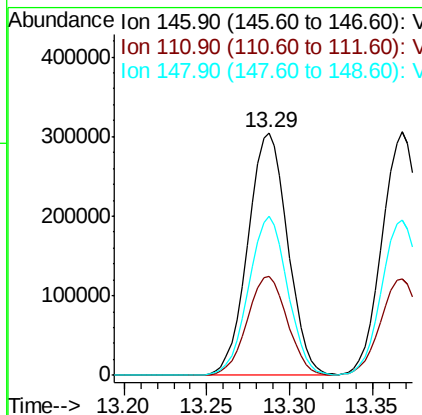
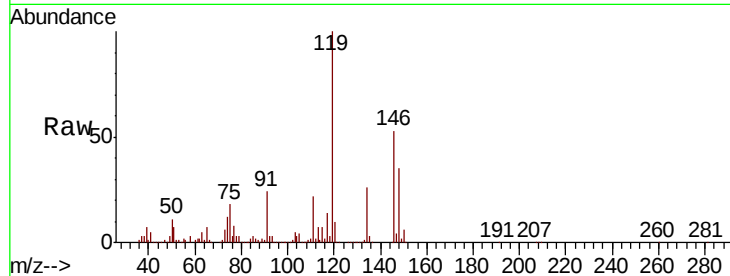
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	64.2	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 52.490 ug/l

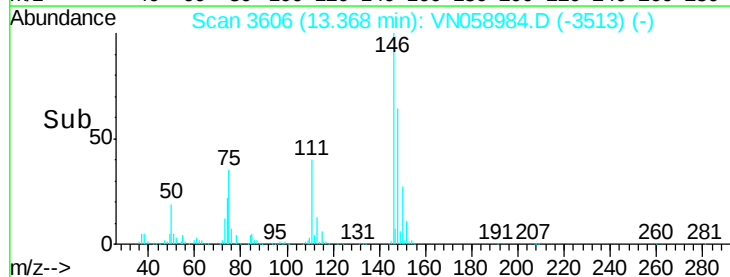
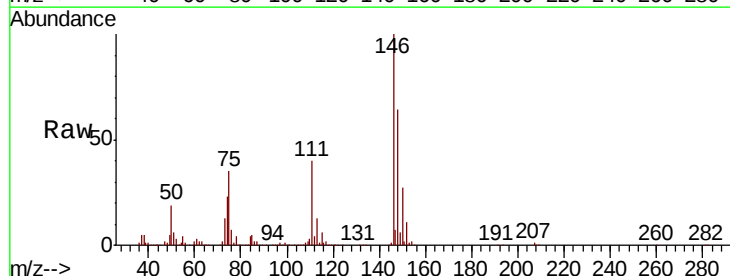
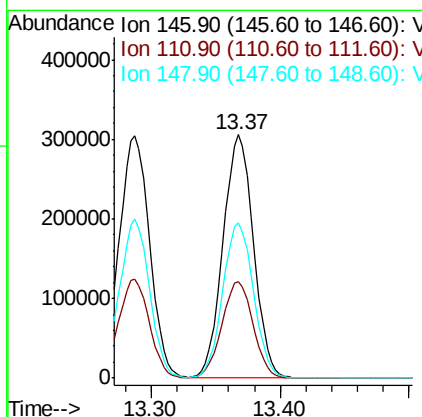
RT: 13.37 min Scan# 3606

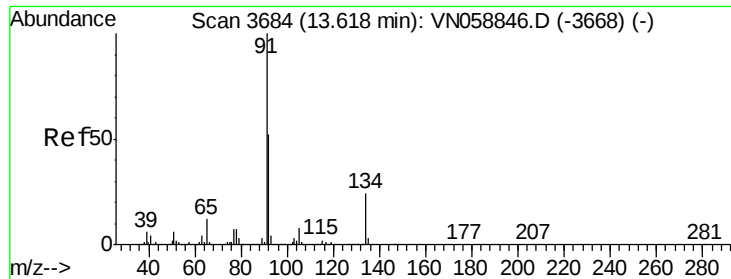
Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.6
148	64.3	31.6	94.7





#89

n-Butylbenzene

Concen: 55.837 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

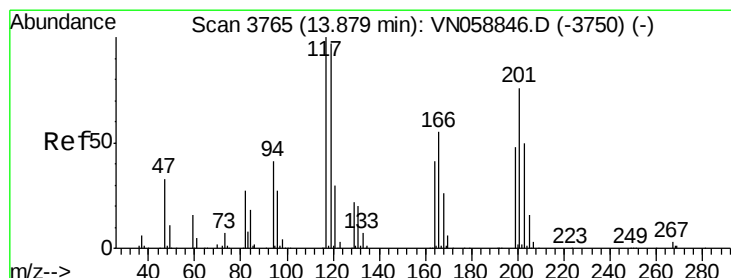
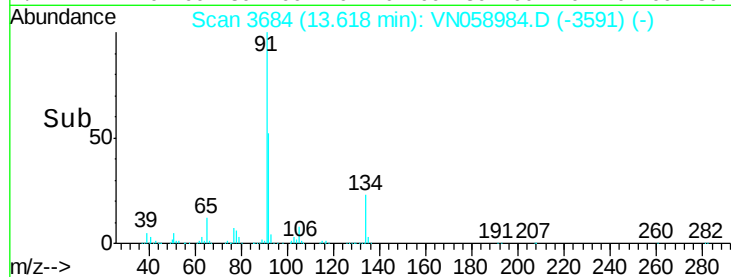
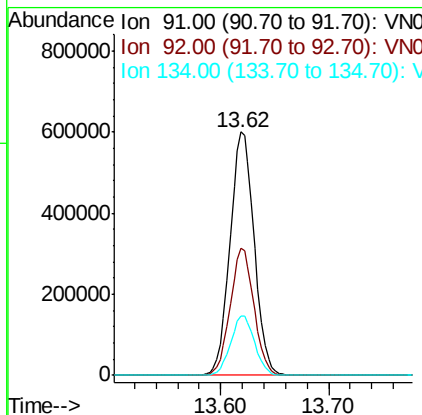
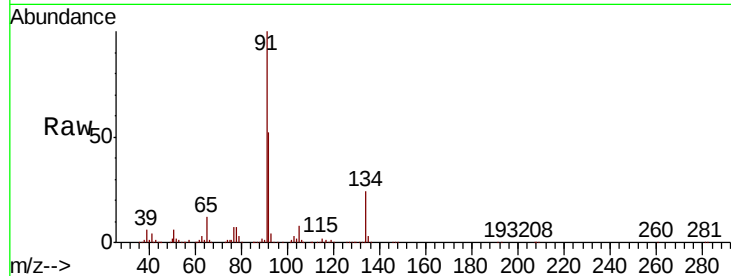
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	937230
Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	24.4	11.9	35.5

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#90

Hexachloroethane

Concen: 51.037 ug/l

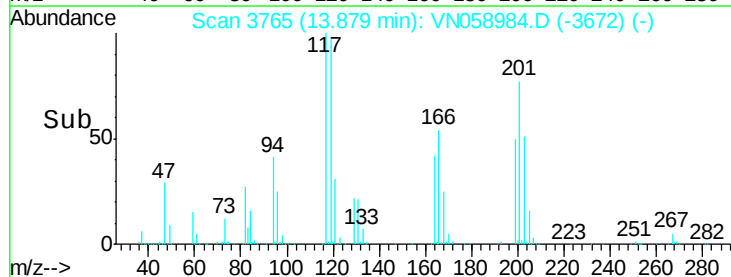
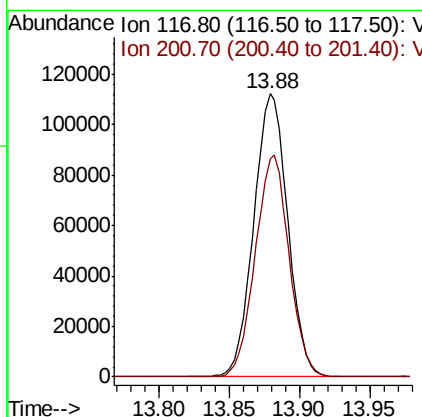
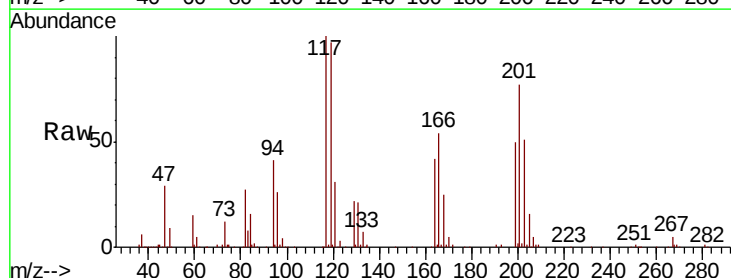
RT: 13.88 min Scan# 3765

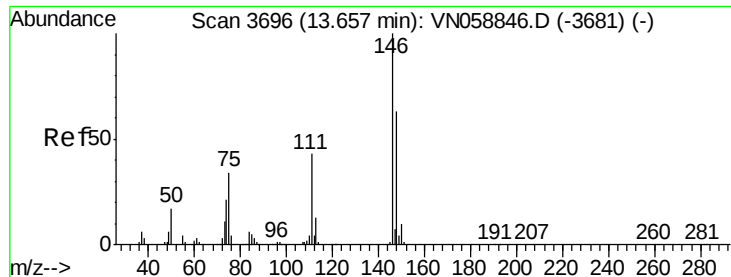
Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:	117	Resp:	188968
Ion	Ratio	Lower	Upper
117	100		
201	78.0	38.9	116.6





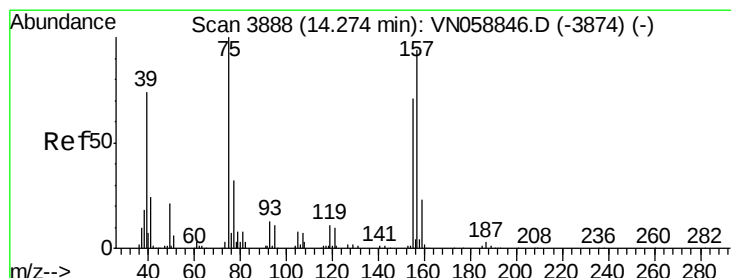
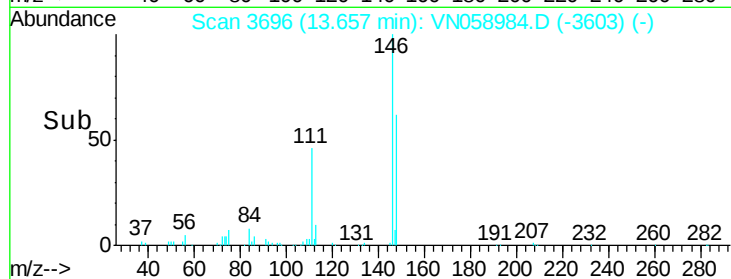
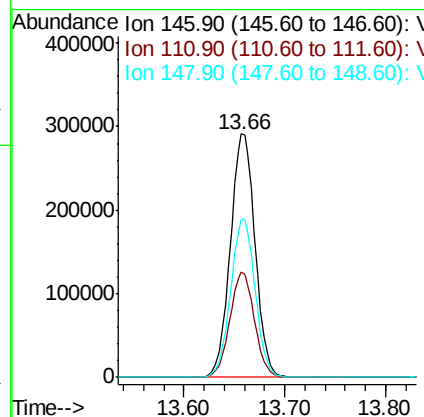
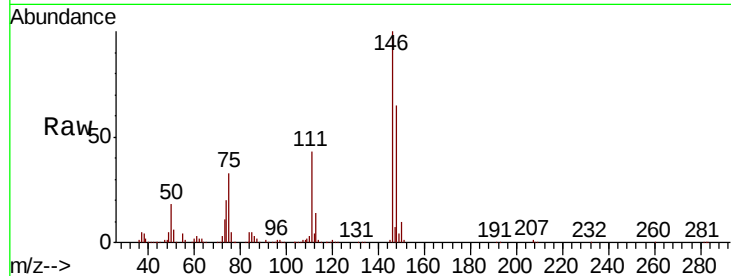
#91
 1,2-Dichlorobenzene
 Concen: 53.107 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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

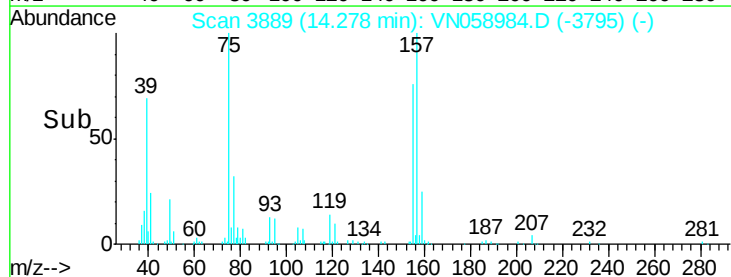
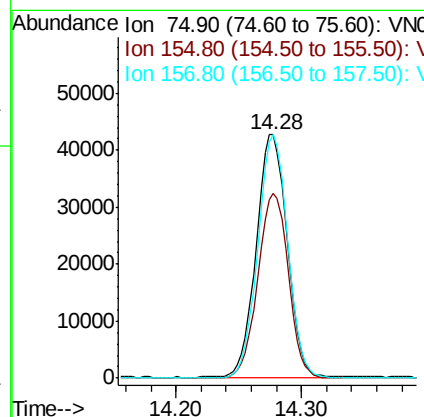
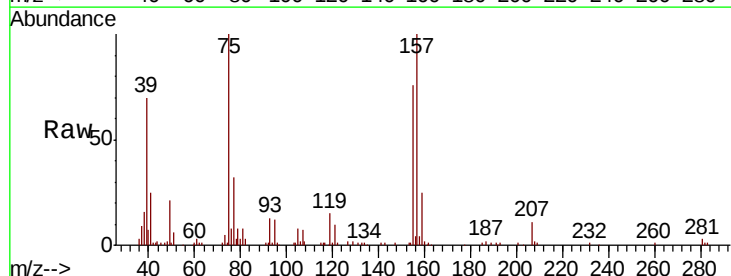
Manual Integrations
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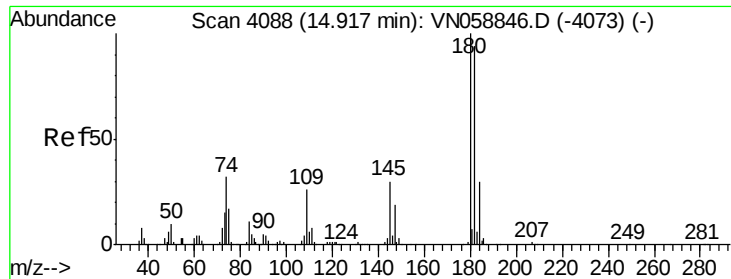
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.239 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	73.9	35.6	106.8	
157	95.3	47.4	142.2	





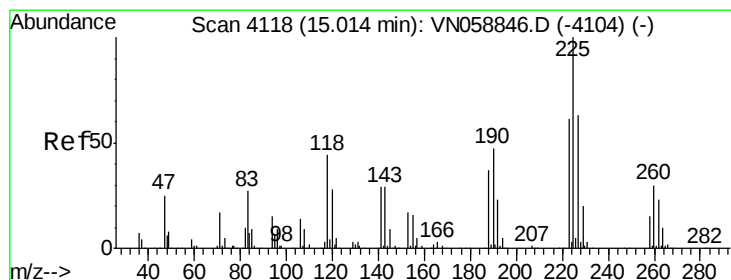
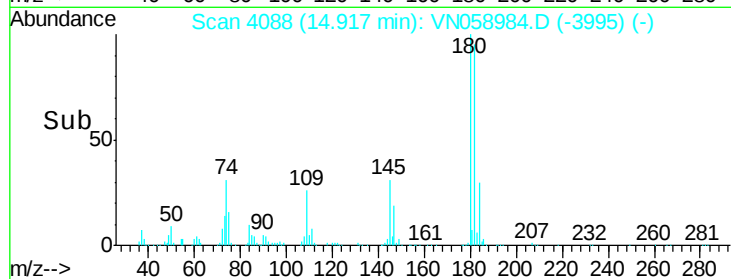
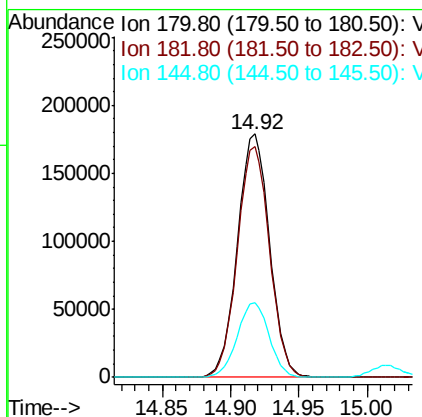
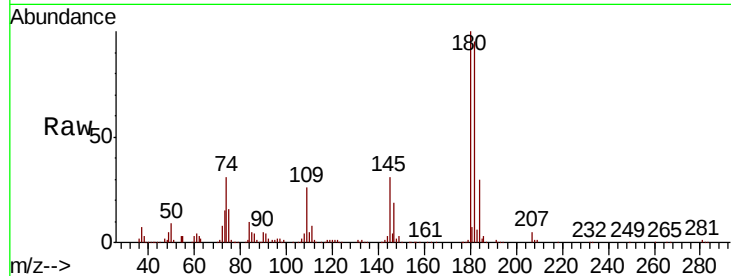
#93
 1,2,4-Trichlorobenzene
 Concen: 49.618 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	292394		
182	95.1	47.3	142.0	
145	30.6	15.3	45.8	

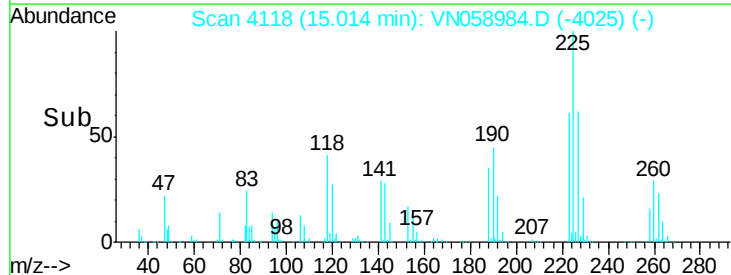
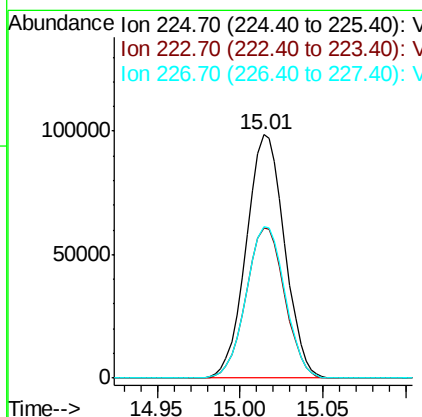
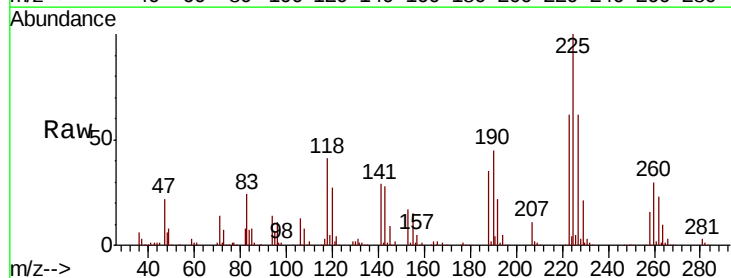
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 52.108 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158164		
223	62.3	30.9	92.5	
227	63.3	31.6	94.7	





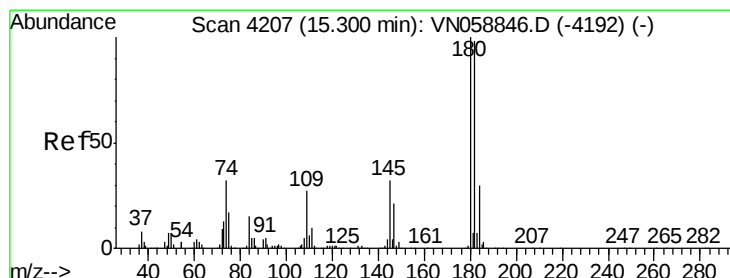
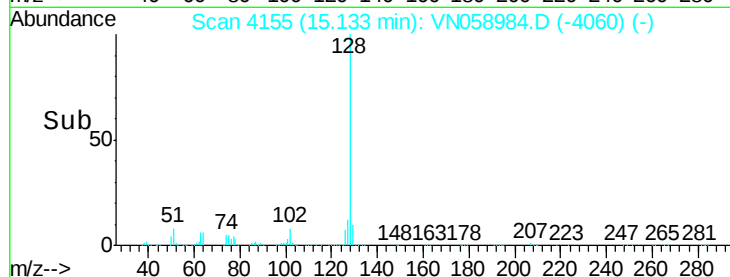
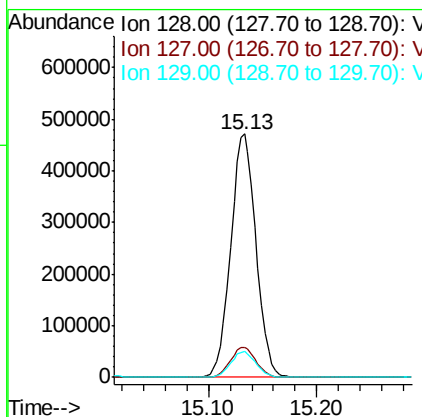
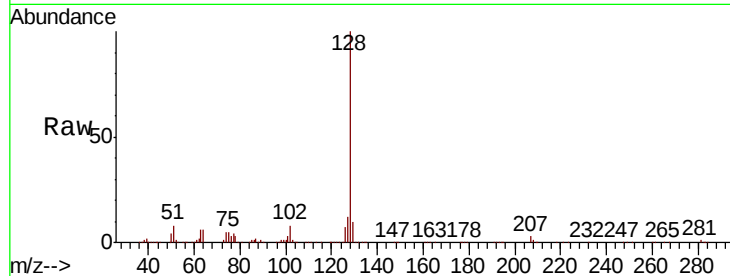
#95
Naphthalene
Concen: 45.676 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/30/2019 3:52:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.142 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.7
145	31.8	15.9	47.7

