

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063719.D
 Acq On : 28 Sep 2020 20:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 4:38:16 PM

Quant Time: Sep 29 05:11:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	297615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	477346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	232446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	246735	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.55	113	171517	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	10.06	98	631595	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.38	95	247861	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	136367	40.444	ug/l	100
3) Chloromethane	2.04	50	166560	37.342	ug/l	98
4) Vinyl Chloride	2.16	62	170990	43.268	ug/l	99
5) Bromomethane	2.52	94	77341	32.962	ug/l	99
6) Chloroethane	2.67	64	108479	44.719	ug/l	95
7) Trichlorofluoromethane	2.98	101	273158	46.329	ug/l	100
8) Diethyl Ether	3.37	74	100584	43.761	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	144905	43.701	ug/l	97
10) Methyl Iodide	3.91	142	141419	32.758	ug/l	98
11) Tert butyl alcohol	4.73	59	148559	211.669	ug/l	99
12) 1,1-Dichloroethene	3.70	96	140367	41.794	ug/l	98
13) Acrolein	3.57	56	55294	212.592	ug/l	98
14) Allyl chloride	4.28	41	269921	40.630	ug/l	98
15) Acrylonitrile	4.93	53	404783	226.735	ug/l	99
16) Acetone	3.77	43	369537	226.962	ug/l	99
17) Carbon Disulfide	4.01	76	354330	36.270	ug/l	99
18) Methyl Acetate	4.28	43	206663	49.999	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	561115	44.827	ug/l	98
20) Methylene Chloride	4.51	84	171050	41.464	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	153228	41.179	ug/l	97
22) Diisopropyl ether	5.90	45	590835	43.608	ug/l	99
23) Vinyl Acetate	5.84	43	2472696	222.220	ug/l	99
24) 1,1-Dichloroethane	5.80	63	317931	42.981	ug/l	99
25) 2-Butanone	6.78	43	562248	224.529	ug/l	100
26) 2,2-Dichloropropane	6.78	77	237637	36.488	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	185680	44.087	ug/l	98
28) Bromochloromethane	7.15	49	145837	42.699	ug/l	93
29) Tetrahydrofuran	7.16	42	373727	218.521	ug/l	98
30) Chloroform	7.33	83	336247	45.308	ug/l	99
31) Cyclohexane	7.61	56	258591	36.958	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	302402	45.813	ug/l	99
36) 1,1-Dichloropropene	7.76	75	234833	43.775	ug/l	99
37) Ethyl Acetate	6.88	43	247745	47.054	ug/l	99
38) Carbon Tetrachloride	7.74	117	260515	47.572	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	238547	40.971	ug/l	98
40) Benzene	8.00	78	682740	44.583	ug/l	100
41) Methacrylonitrile	7.14	41	119109m	50.298	ug/l	
42) 1,2-Dichloroethane	8.09	62	296111	48.082	ug/l	99
43) Isopropyl Acetate	8.13	43	426904	45.345	ug/l #	90
44) Trichloroethene	8.80	130	178077	47.943	ug/l	97
45) 1,2-Dichloropropane	9.08	63	186045	44.606	ug/l	97
46) Dibromomethane	9.18	93	129132	47.106	ug/l	96
47) Bromodichloromethane	9.37	83	273712	48.061	ug/l	99
48) Methyl methacrylate	9.17	41	211887	45.809	ug/l	97
49) 1,4-Dioxane	9.16	88	59731	899.861	ug/l	91
51) 4-Methyl-2-Pentanone	9.95	43	1272089	241.355	ug/l	99
52) Toluene	10.13	92	441165	47.915	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	291834	45.901	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	302663	45.131	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	178908	48.920	ug/l	99
56) Ethyl methacrylate	10.40	69	274701	48.115	ug/l	99
57) 1,3-Dichloropropane	10.68	76	303101	45.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	663906	221.673	ug/l	96
59) 2-Hexanone	10.72	43	939233	245.975	ug/l	99
60) Dibromochloromethane	10.87	129	207478	50.217	ug/l	99
61) 1,2-Dibromoethane	10.98	107	187386	49.318	ug/l	99
64) Tetrachloroethene	10.60	164	160510	49.382	ug/l	99
65) Chlorobenzene	11.41	112	469420	46.327	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	181959	48.989	ug/l	98
67) Ethyl Benzene	11.49	91	877983	46.011	ug/l	98
68) m/p-Xylenes	11.59	106	637045	92.594	ug/l	99
69) o-Xylene	11.92	106	308783	47.114	ug/l	100
70) Styrene	11.94	104	532450	48.445	ug/l	99
71) Bromoform	12.10	173	140990	50.953	ug/l #	99
73) Isopropylbenzene	12.23	105	843789	45.299	ug/l	99
74) N-amyl acetate	12.05	43	399268	45.282	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	258864	44.883	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	243150m	42.262	ug/l	
77) Bromobenzene	12.50	156	211931	50.580	ug/l	87
78) n-propylbenzene	12.57	91	993582	45.798	ug/l	98
79) 2-Chlorotoluene	12.65	91	593324	45.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	722185	46.495	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	84760	40.390	ug/l	95
82) 4-Chlorotoluene	12.75	91	622427	45.297	ug/l	99
83) tert-Butylbenzene	12.97	119	588003	45.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	746645	47.590	ug/l	99
85) sec-Butylbenzene	13.15	105	763923	44.518	ug/l	99
86) p-Isopropyltoluene	13.26	119	692461	45.752	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	364908	46.988	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	370943	46.980	ug/l	99
89) n-Butylbenzene	13.59	91	610056	43.729	ug/l	99
90) Hexachloroethane	13.85	117	134362	46.621	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	363931	47.732	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	61848	45.033	ug/l	96

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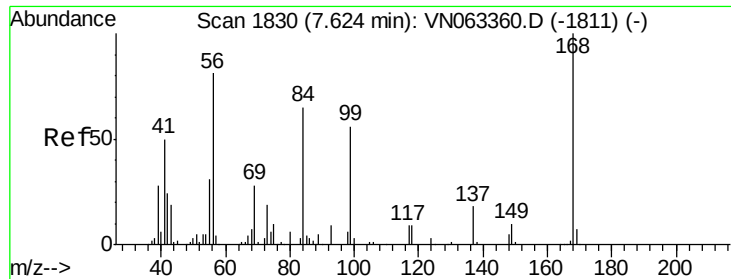
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	207728	46.214	ug/l	99
94) Hexachlorobutadiene	14.98	225	96854	52.048	ug/l	98
95) Naphthalene	15.10	128	698289	47.022	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	199424	45.918	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 297615

Ion Ratio Lower Upper

168 100

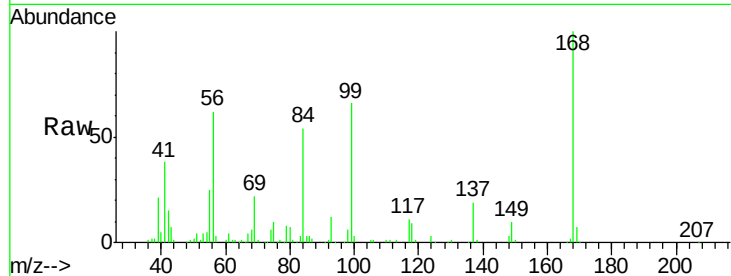
99 66.1 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

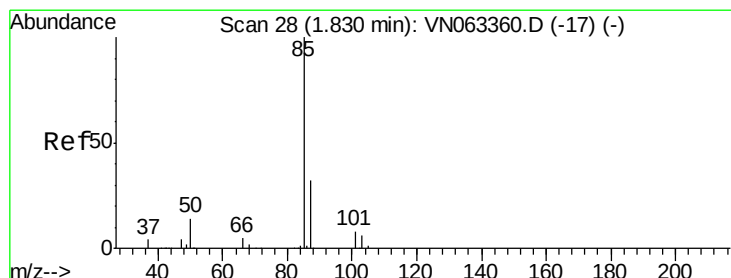
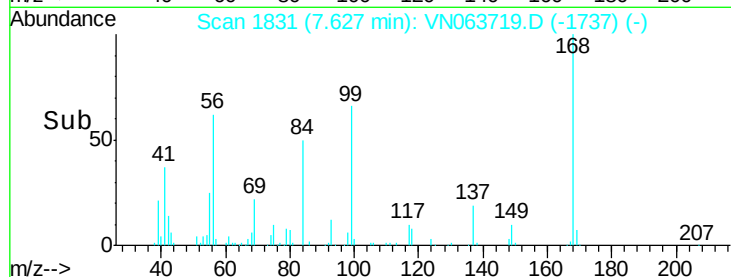
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.444 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063719.D

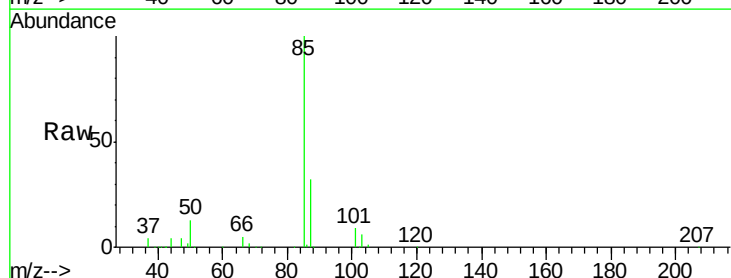
Acq: 28 Sep 2020 20:44

Tgt Ion: 85 Resp: 136367

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

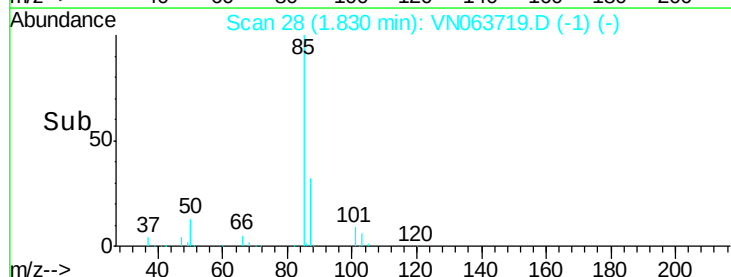
60000

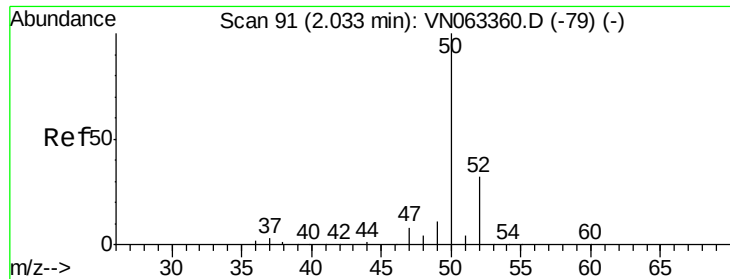
40000

20000

0

Time-->





#3

Chloromethane

Concen: 37.342 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 166560

Ion Ratio Lower Upper

50 100

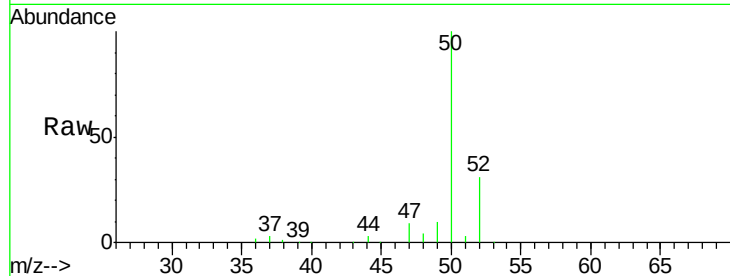
52 31.2 25.9 38.9

Manual Integrations

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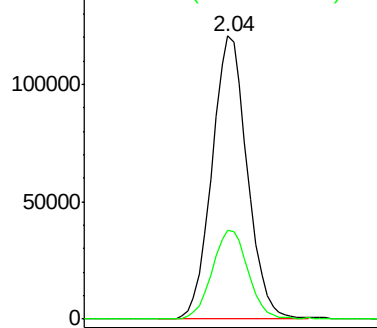
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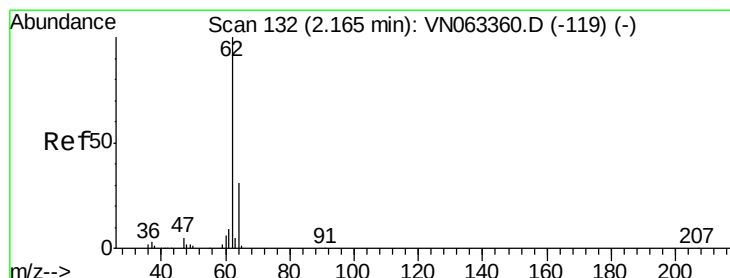
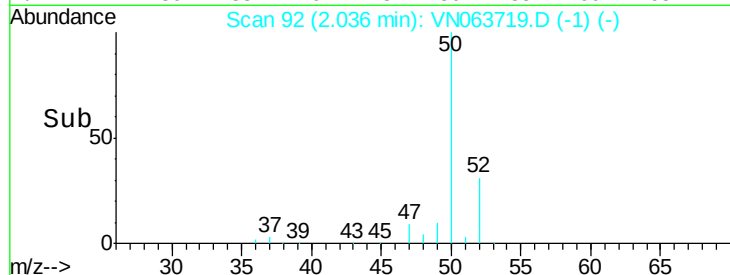


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 43.268 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063719.D

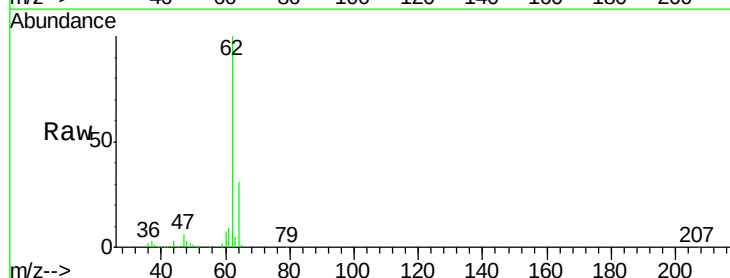
Acq: 28 Sep 2020 20:44

Tgt Ion: 62 Resp: 170990

Ion Ratio Lower Upper

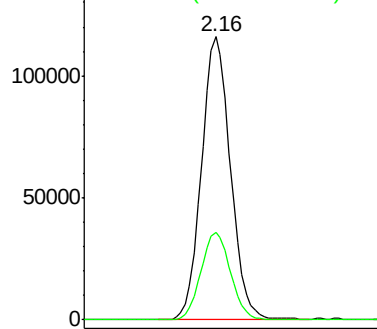
62 100

64 30.8 25.1 37.7

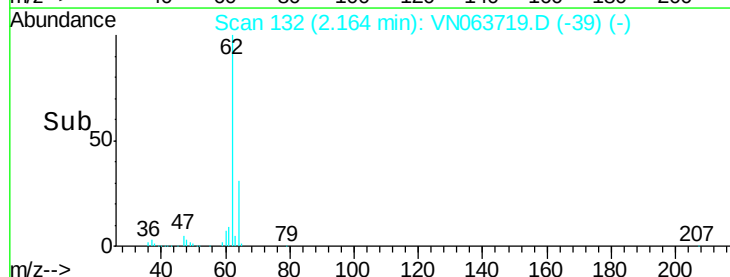


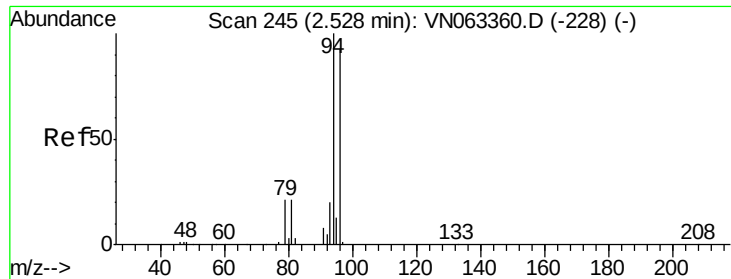
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 32.962 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77341

Ion Ratio Lower Upper

94 100

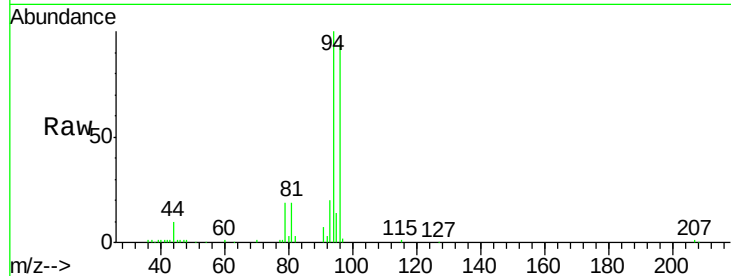
96 93.6 74.5 111.7

Manual Integrations

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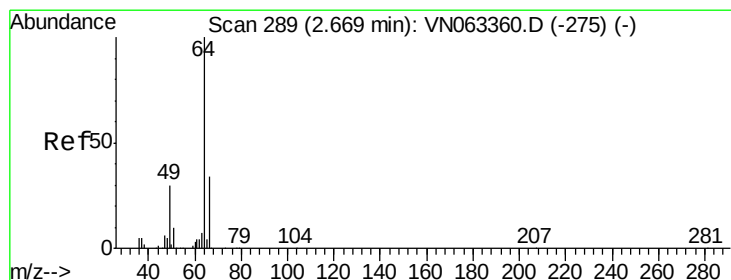
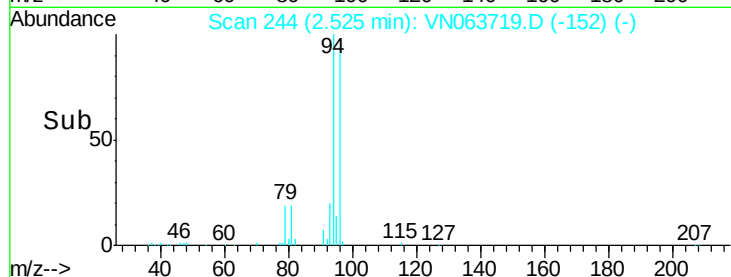
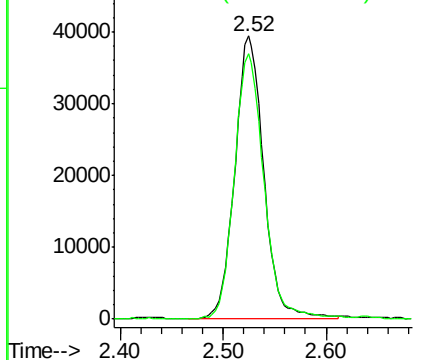
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.719 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063719.D

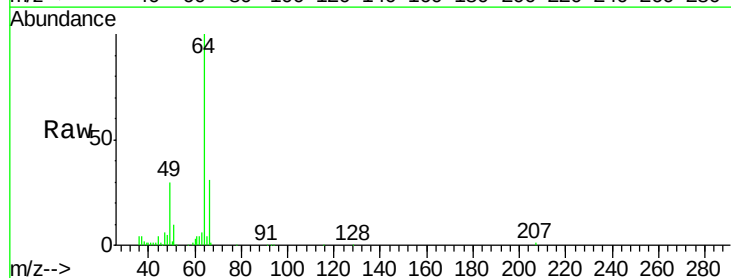
Acq: 28 Sep 2020 20:44

Tgt Ion: 64 Resp: 108479

Ion Ratio Lower Upper

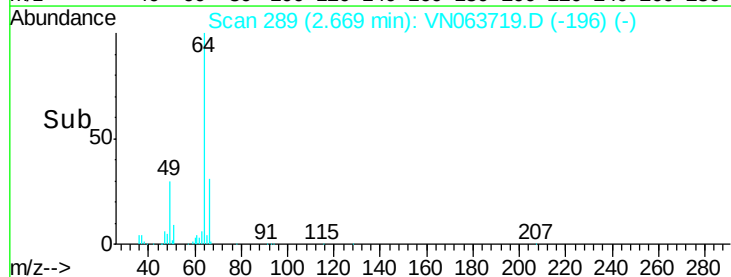
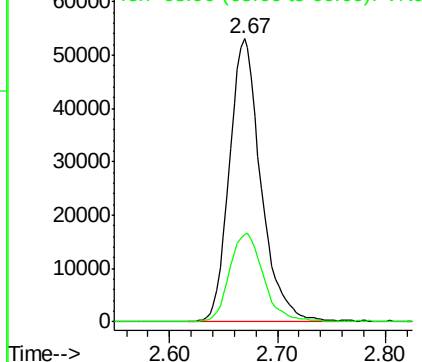
64 100

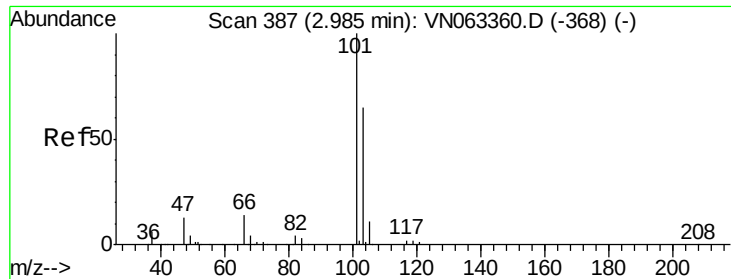
66 31.0 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

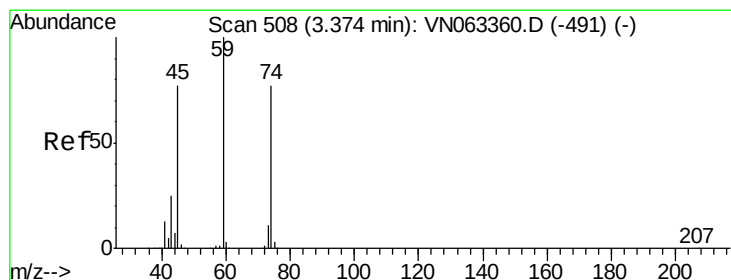
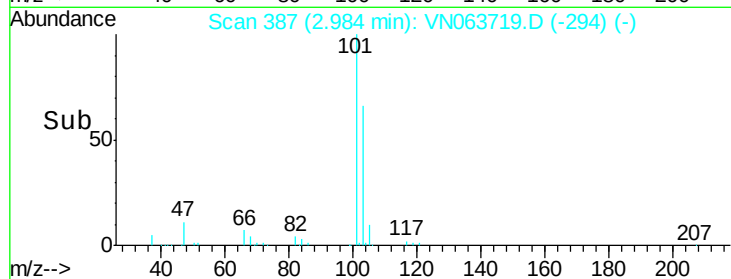
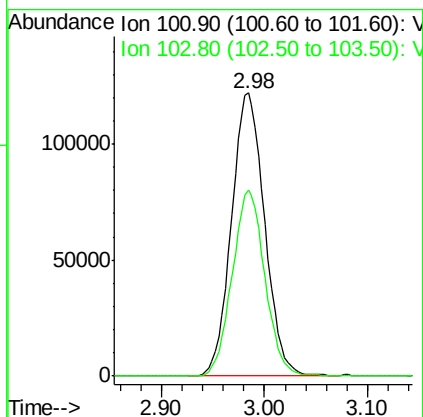
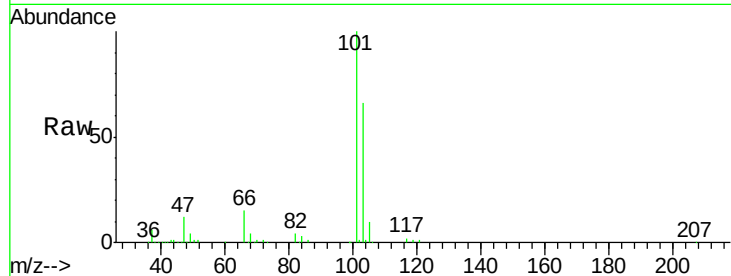
Trichlorofluoromethane
Concen: 46.329 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.3	78.5

Manual Integrations
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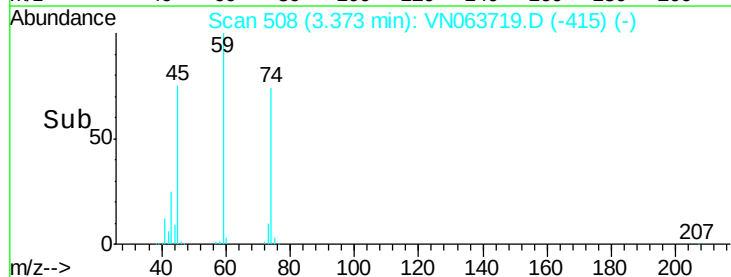
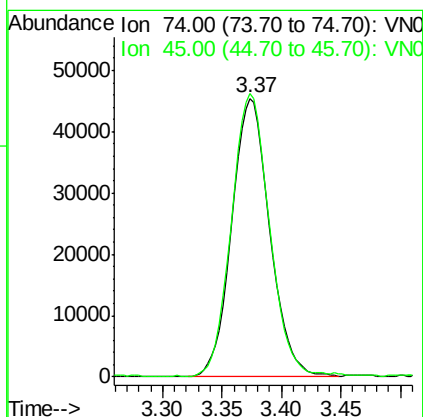
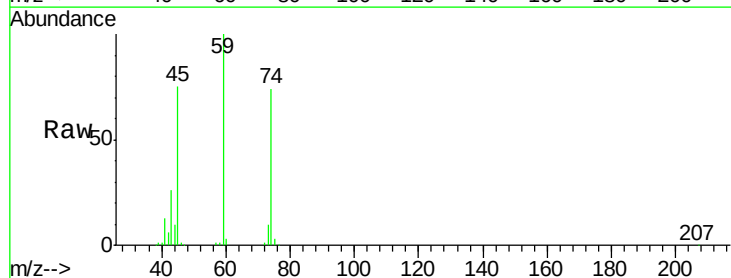
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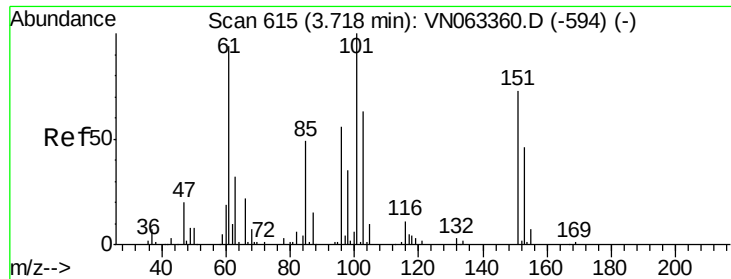


#8

Diethyl Ether
Concen: 43.761 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.701 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

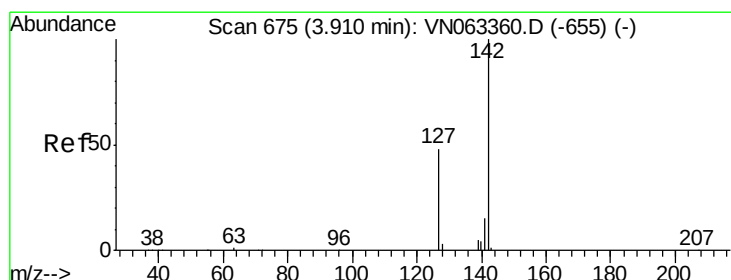
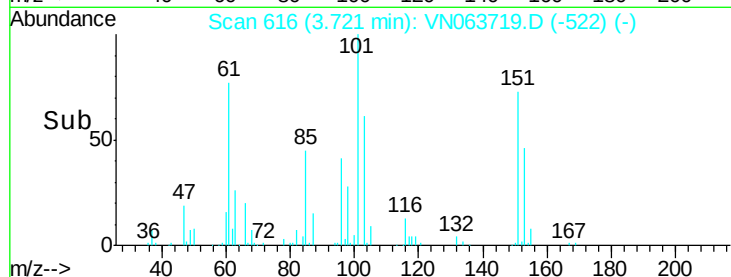
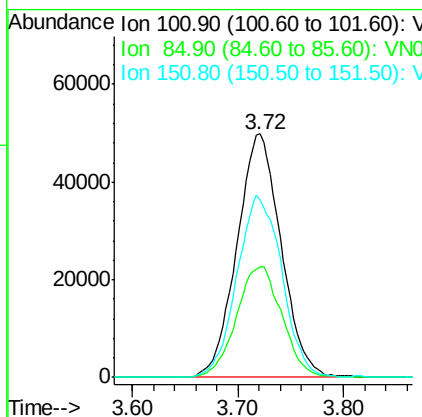
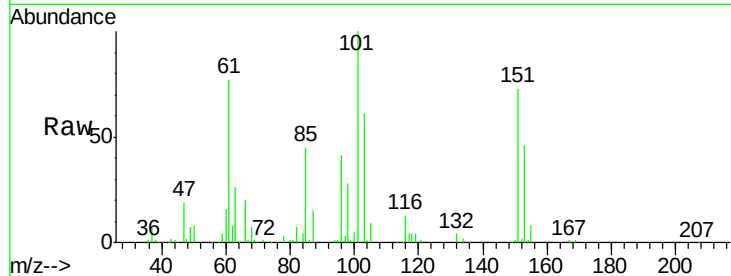
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	144905
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.7	56.5
151	76.0	57.7	86.5

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#10

Methyl Iodide

Concen: 32.758 ug/l

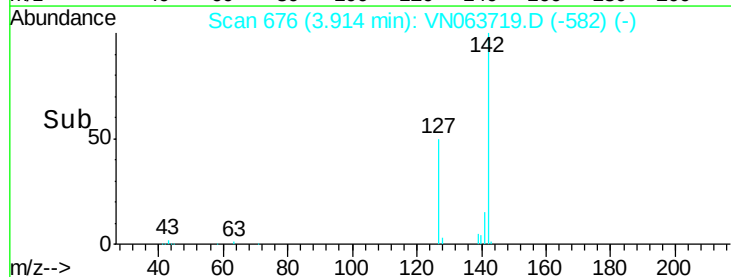
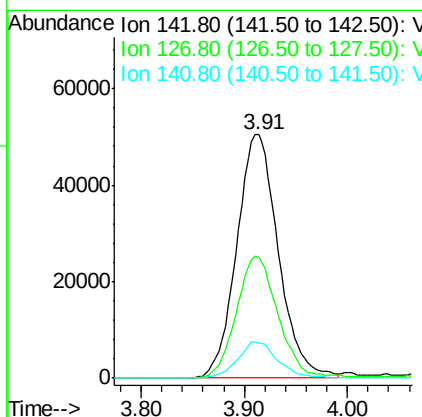
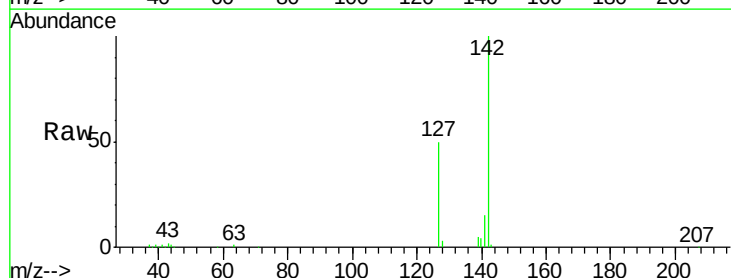
RT: 3.91 min Scan# 676

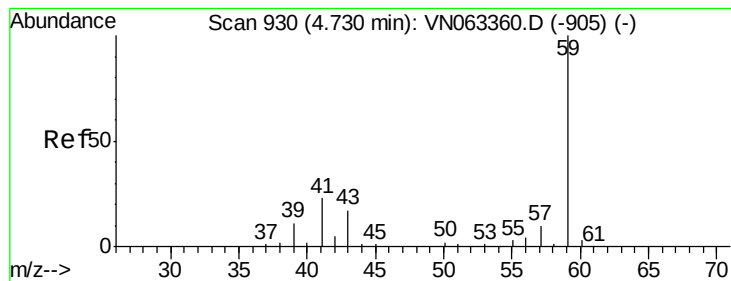
Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Tgt Ion:	142	Resp:	141419
Ion Ratio	Lower	Upper	
142	100		
127	50.4	39.0	58.6
141	14.4	11.6	17.4





#11

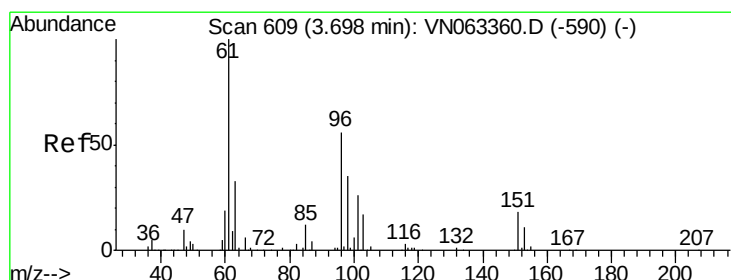
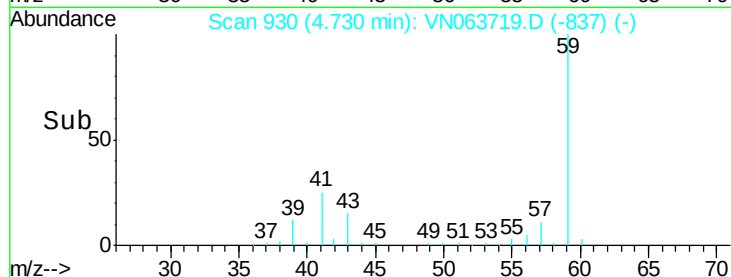
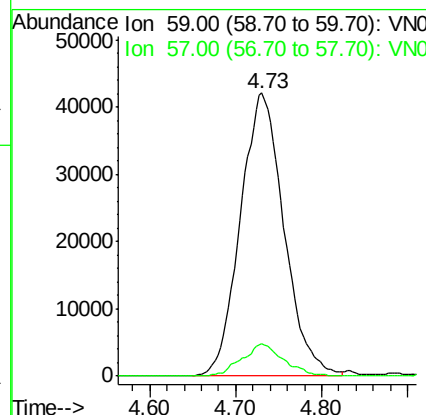
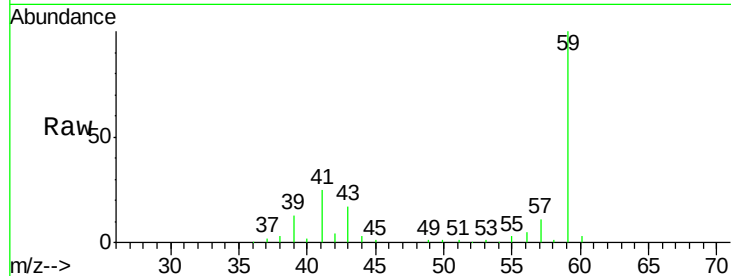
Tert butyl alcohol
 Concen: 211.669 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	148559		
57	10.9		8.4	12.6

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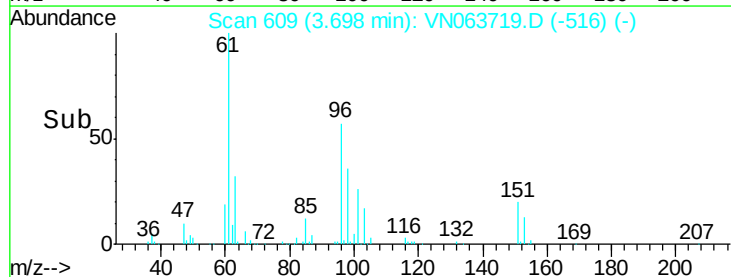
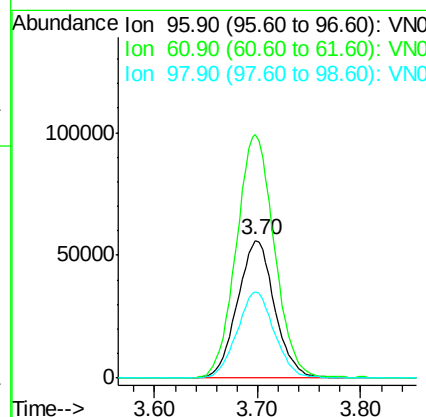
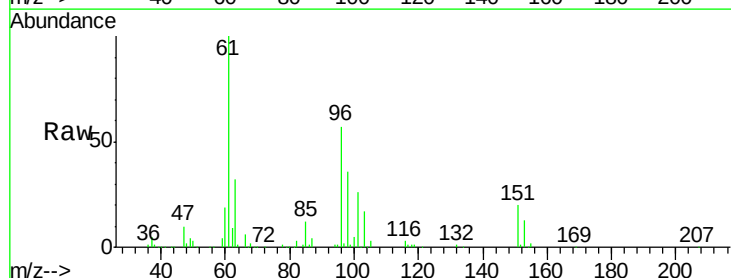
MMDadoda
 9/29/2020 4:38:16 PM

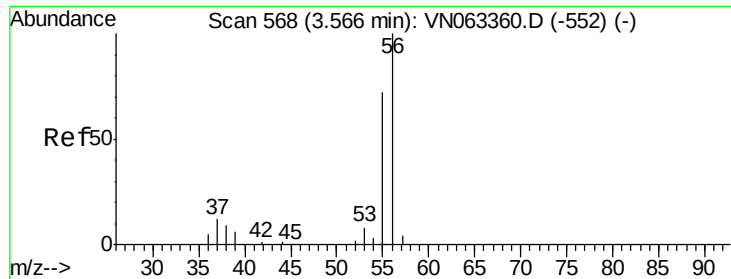


#12

1,1-Dichloroethene
 Concen: 41.794 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	140367		
61	176.4		143.4	215.2
98	62.8		50.6	76.0





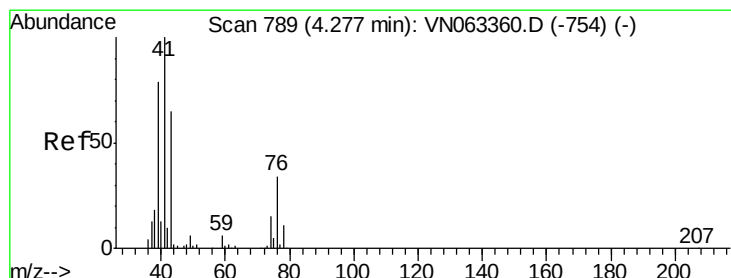
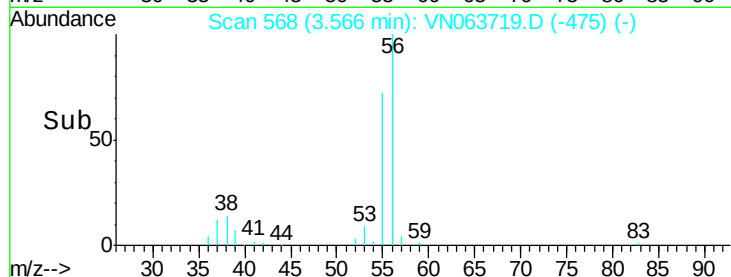
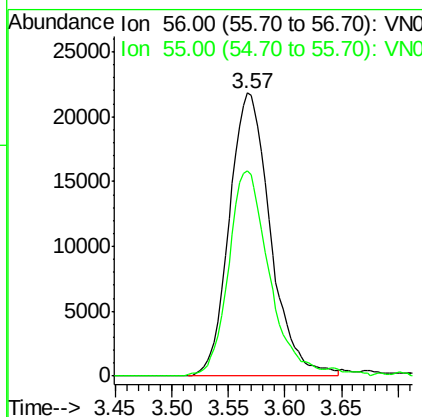
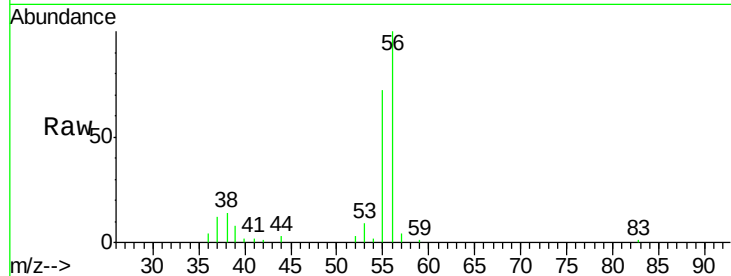
#13
 Acrolein
 Concen: 212.592 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	55294
Ion Ratio	100	Lower	Upper
56	100		
55	71.1	58.2	87.2

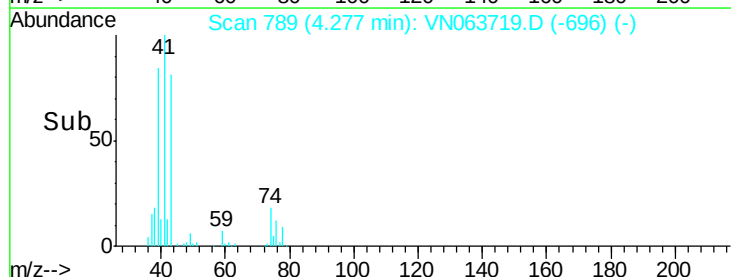
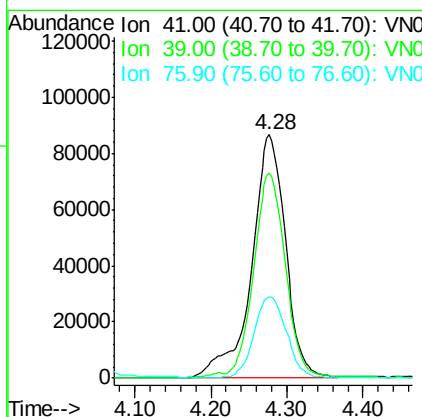
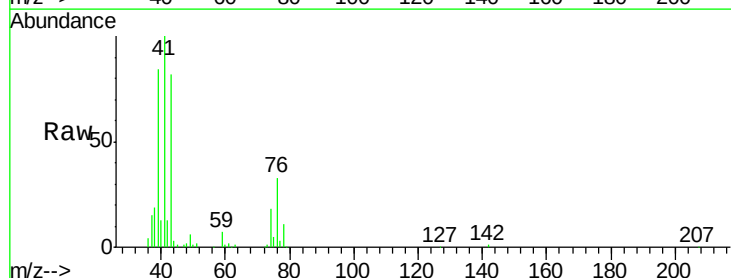
Manual Integrations
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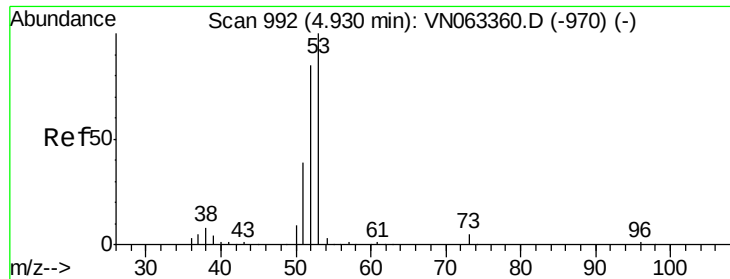
MMDadoda
 9/29/2020 4:38:16 PM



#14
 Allyl chloride
 Concen: 40.630 ug/l
 RT: 4.28 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion	41	Resp	269921
Ion Ratio	100	Lower	Upper
41	100		
39	76.6	59.3	88.9
76	31.9	25.3	37.9





#15

Acrylonitrile

Concen: 226.735 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

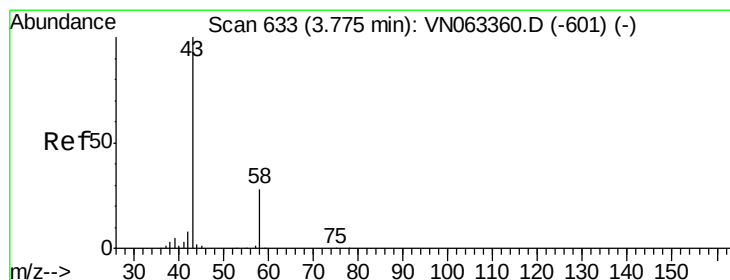
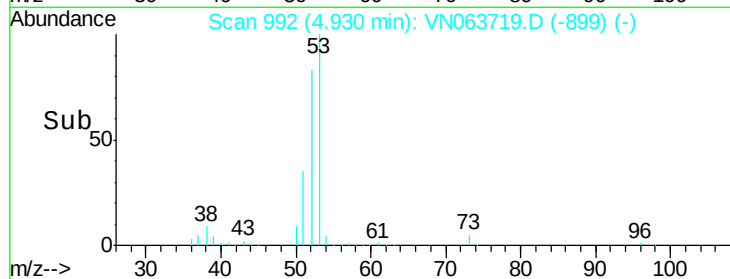
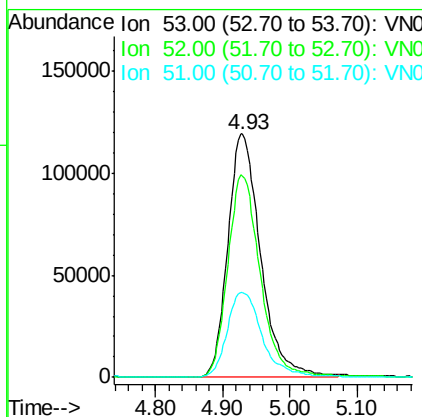
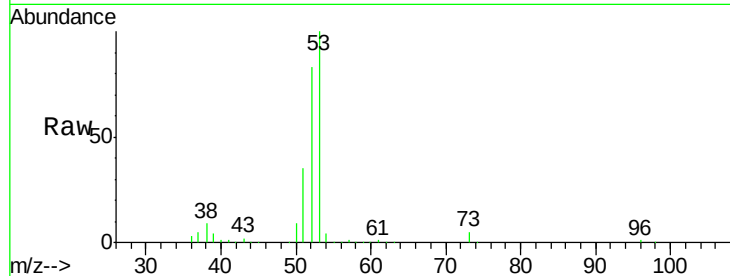
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	404783
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.4	99.6
51	37.4	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 226.962 ug/l

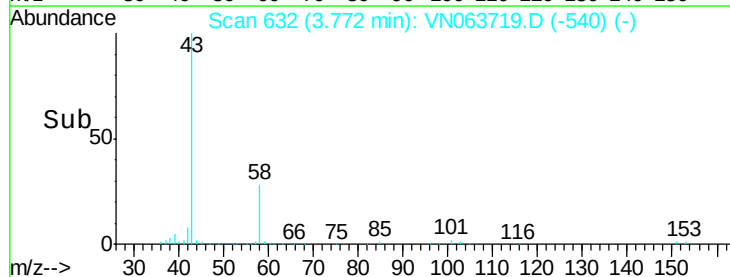
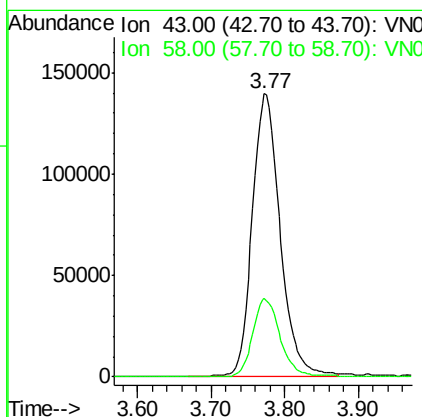
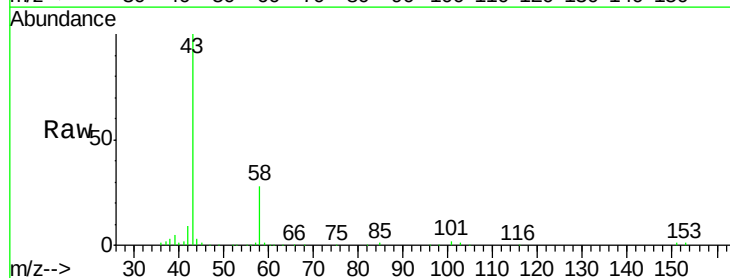
RT: 3.77 min Scan# 632

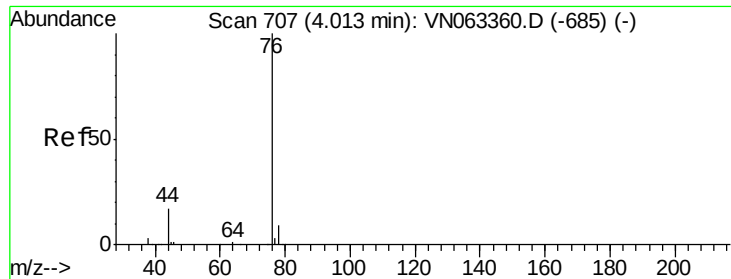
Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Tgt Ion:	43	Resp:	369537
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.3	33.5





#17

Carbon Disulfide

Concen: 36.270 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 354330

Ion Ratio Lower Upper

76 100

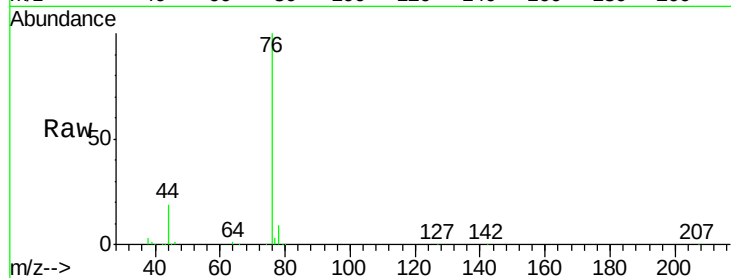
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN063719.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN063719.D (-614) (-)

4.01

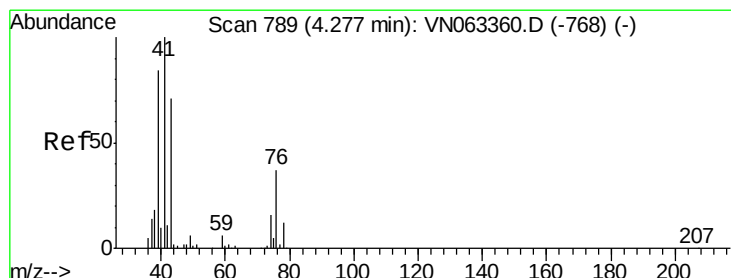
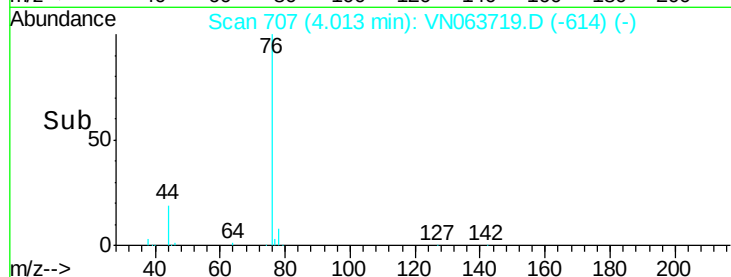
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.999 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063719.D

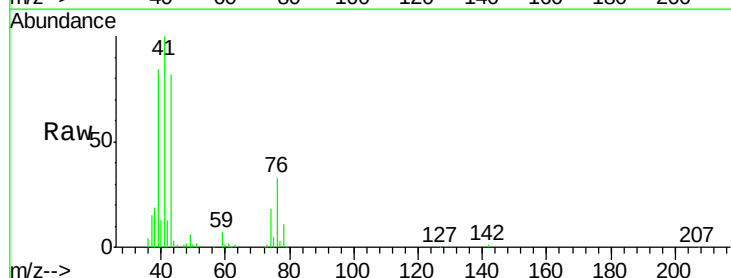
Acq: 28 Sep 2020 20:44

Tgt Ion: 43 Resp: 206663

Ion Ratio Lower Upper

43 100

74 21.4 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN063719.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN063719.D (-696) (-)

4.28

80000

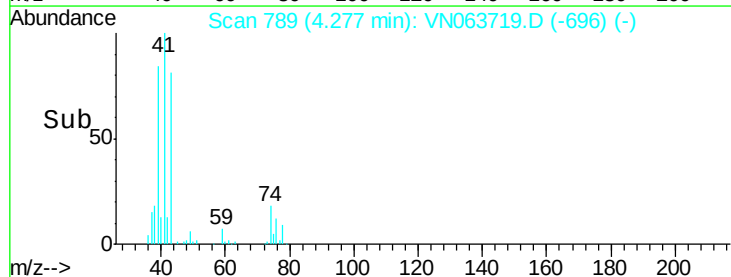
60000

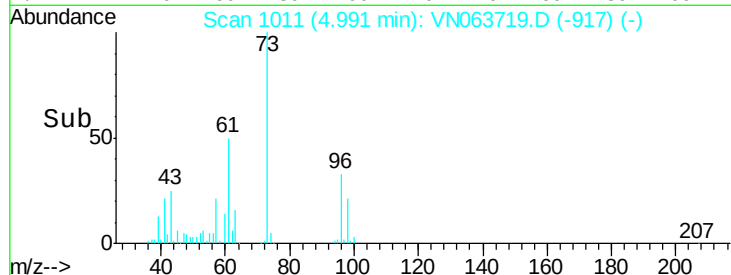
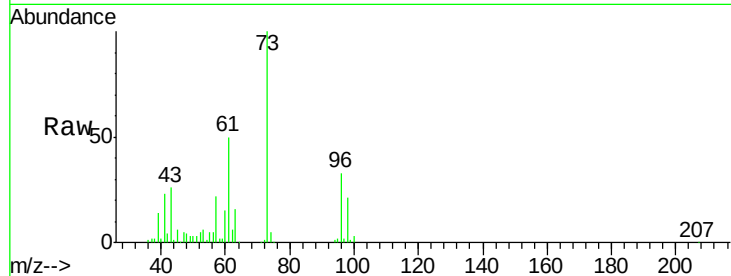
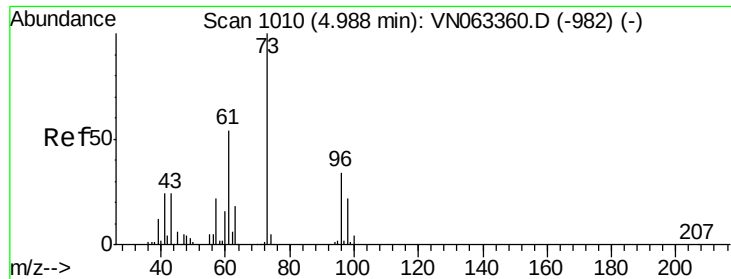
40000

20000

0

Time-->





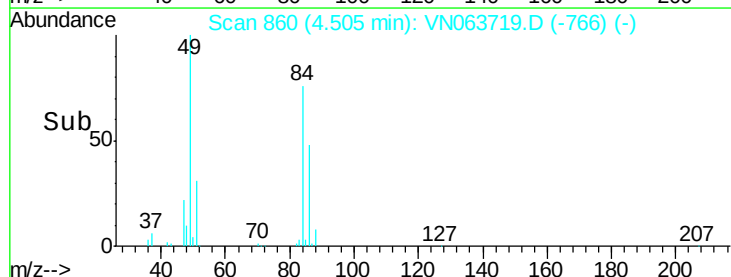
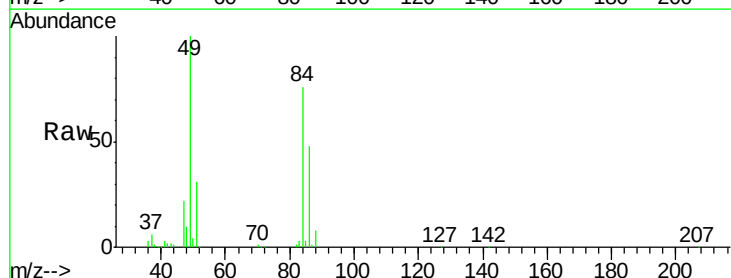
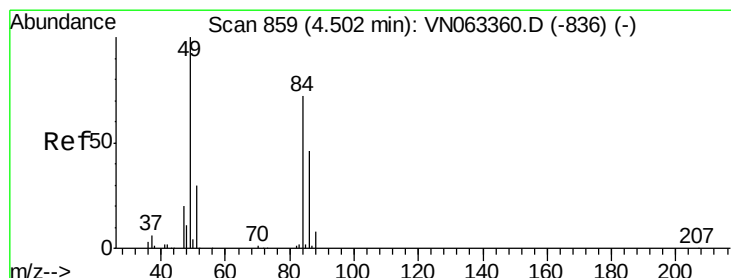
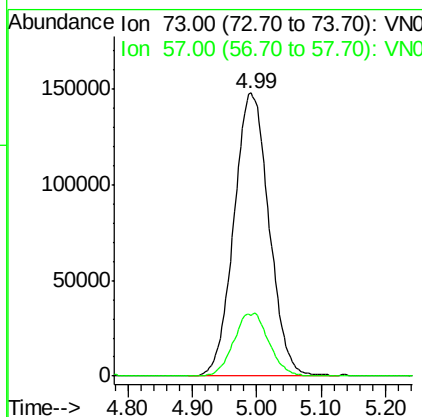
#19
Methyl tert-butyl Ether
Concen: 44.827 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tot Ion: 73 Resp: 561115
Ion Ratio Lower Upper
73 100
57 21.6 17.9 26.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

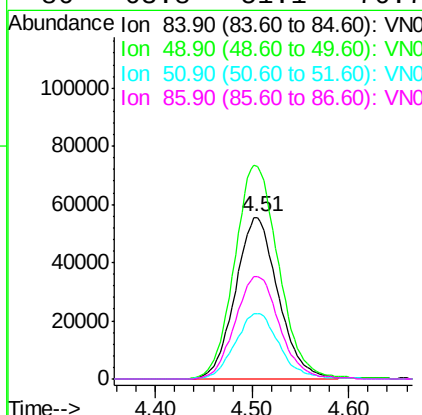
Manual Integrations
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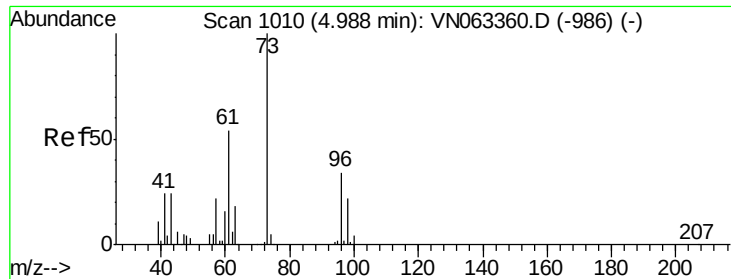
MMDadoda
9/29/2020 4:38:16 PM



#20
Methylene Chloride
Concen: 41.464 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion: 84 Resp: 171050
Ion Ratio Lower Upper
84 100
49 131.4 110.7 166.1
51 40.7 32.9 49.3
86 63.8 51.1 76.7





#21

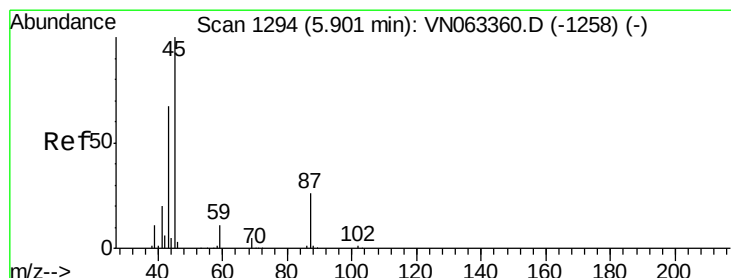
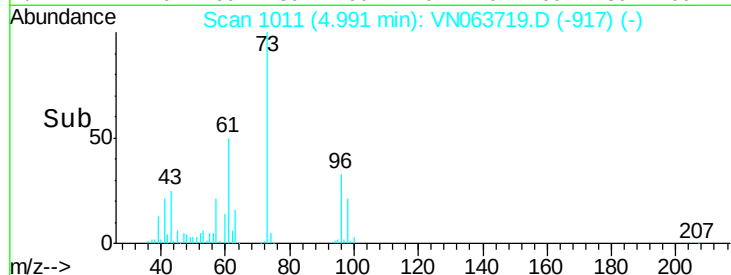
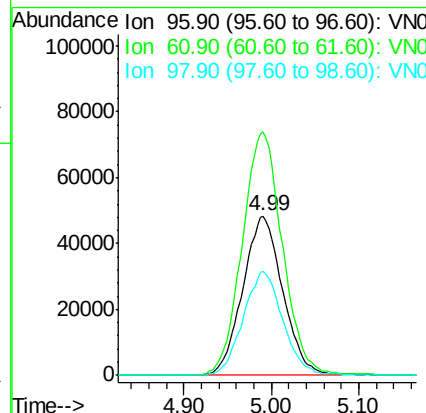
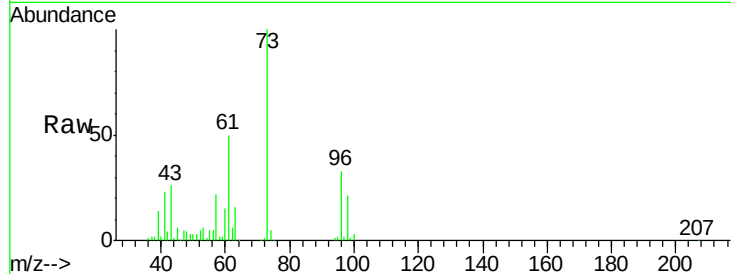
trans-1,2-Dichloroethene
Concen: 41.179 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	126.2	189.4
98	65.1	51.0	76.4

Manual Integrations
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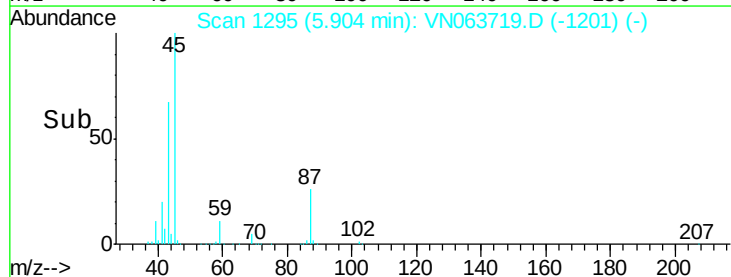
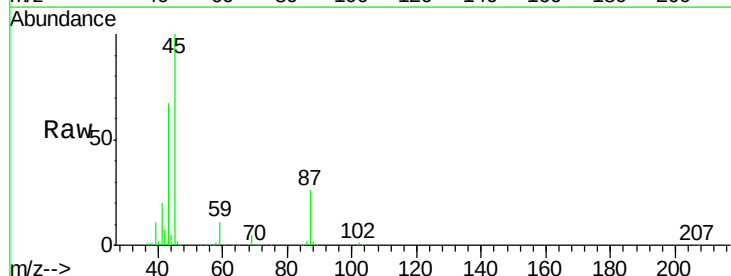
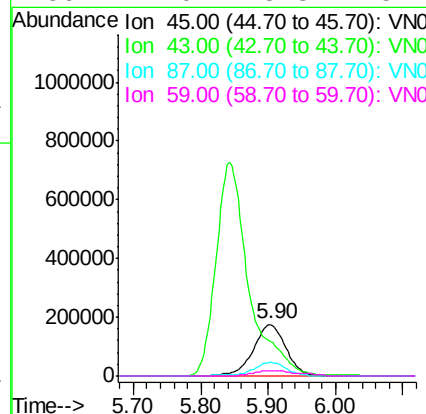
MMDadoda
9/29/2020 4:38:16 PM

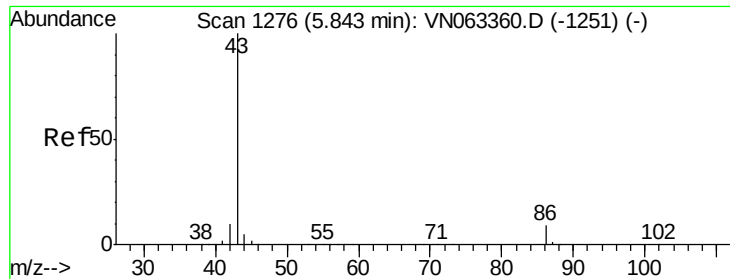


#22

Diisopropyl ether
Concen: 43.608 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.7	53.5	80.3
87	26.2	21.2	31.8
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 222.220 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2472696

Ion Ratio Lower Upper

43 100

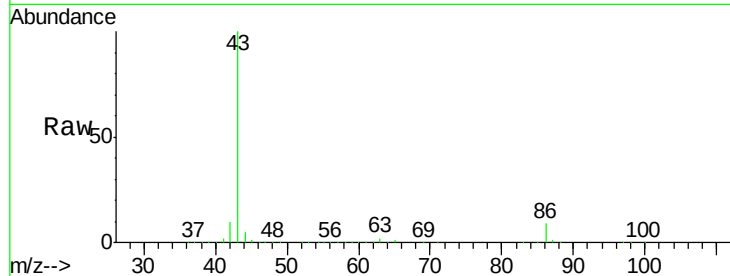
86 9.2 7.1 10.7

Manual Integrations

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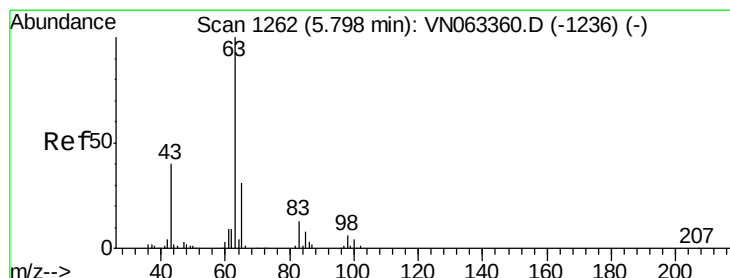
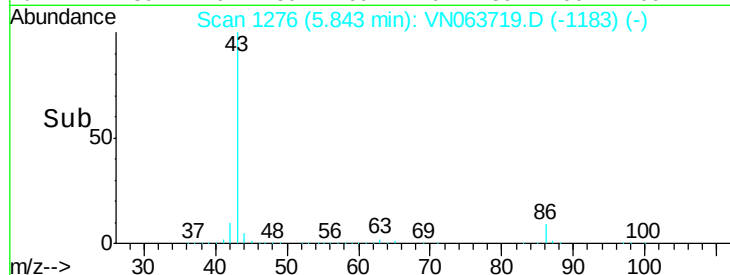
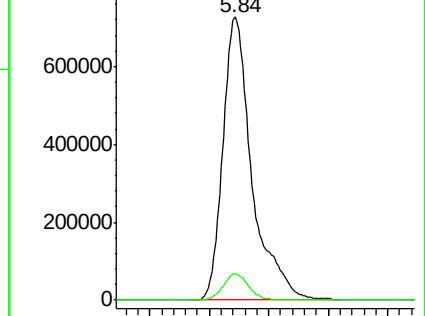
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 42.981 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

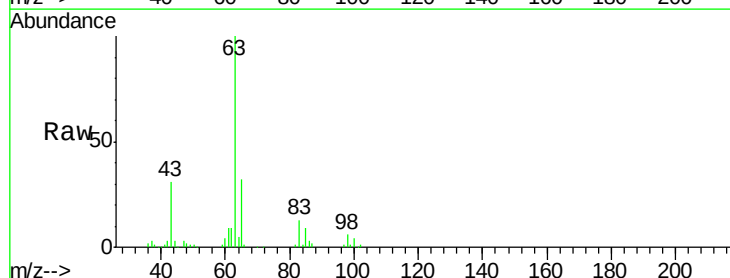
Tgt Ion: 63 Resp: 317931

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

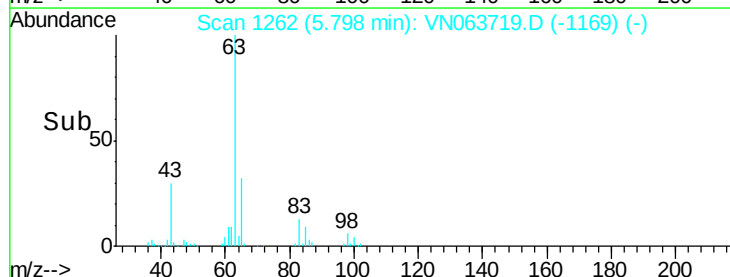
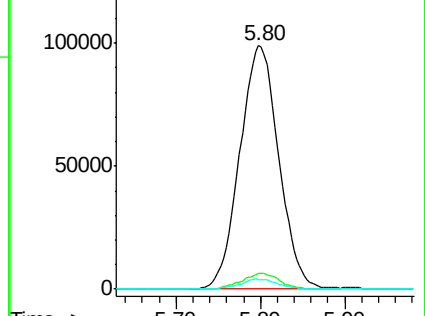
100 4.1 2.1 6.3

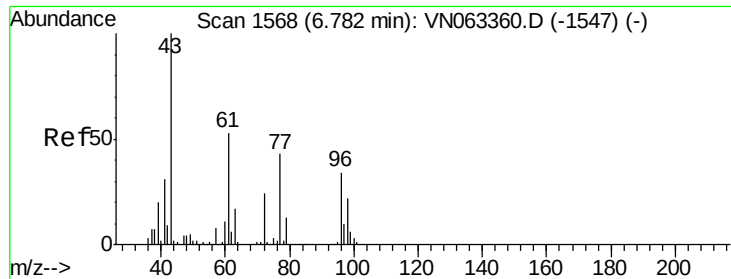


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 224.529 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 562248

Ion Ratio Lower Upper

43 100

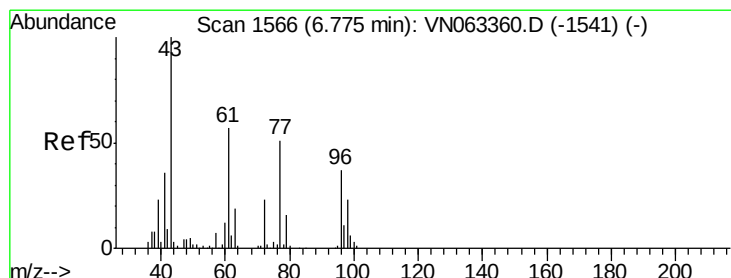
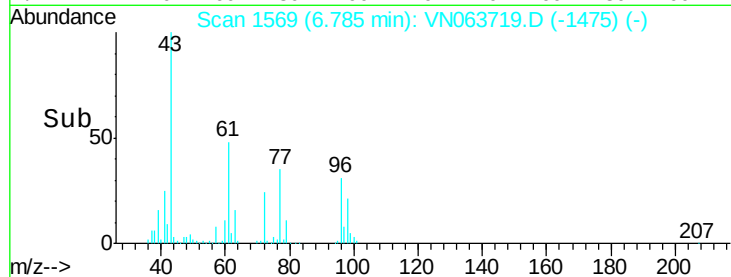
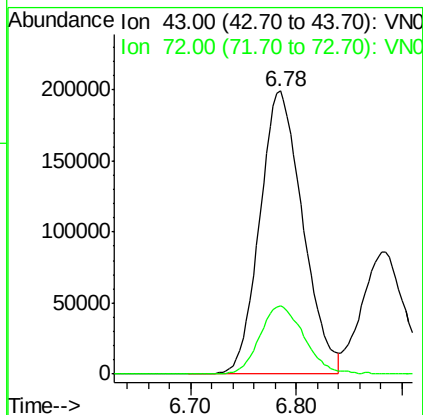
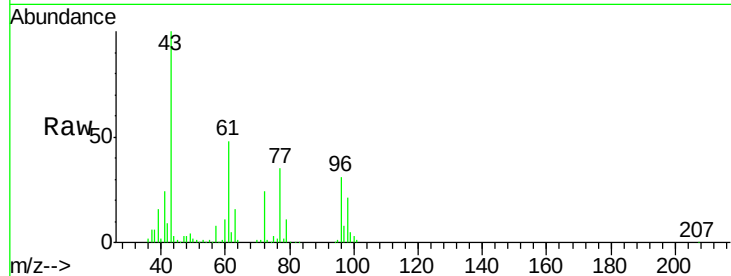
72 24.2 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:38:16 PM



#26

2,2-Dichloropropane

Concen: 36.488 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063719.D

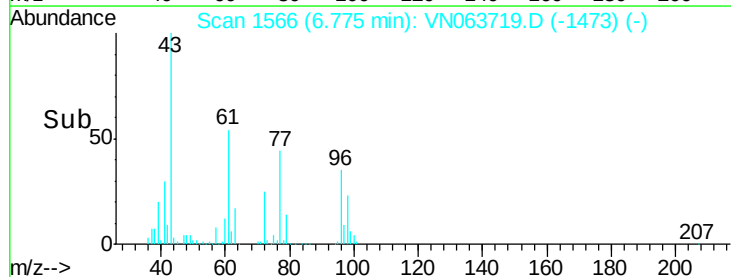
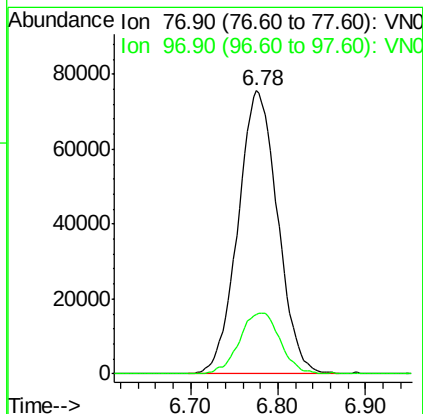
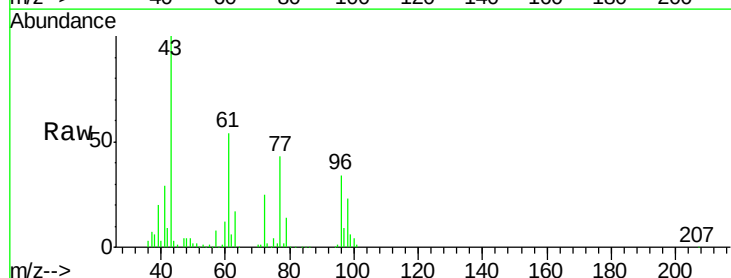
Acq: 28 Sep 2020 20:44

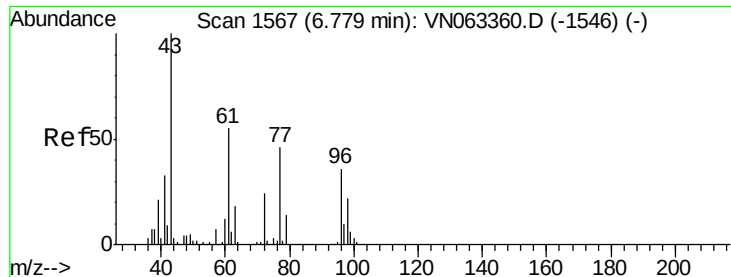
Tgt Ion: 77 Resp: 237637

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 44.087 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

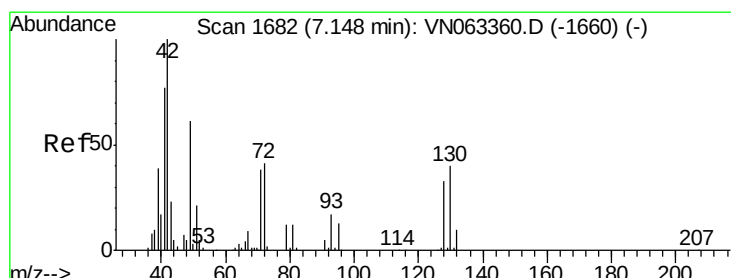
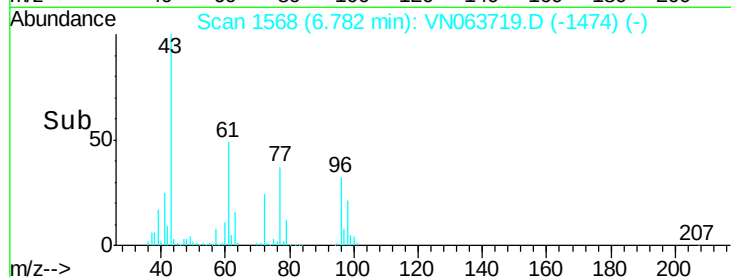
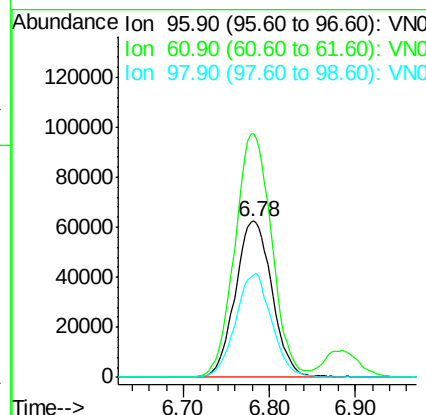
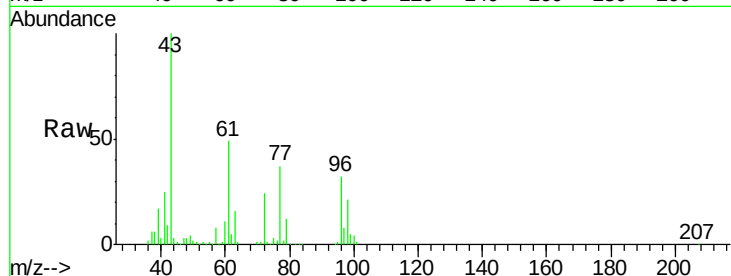
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	185680
Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	319.6
98	65.3	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 42.699 ug/l

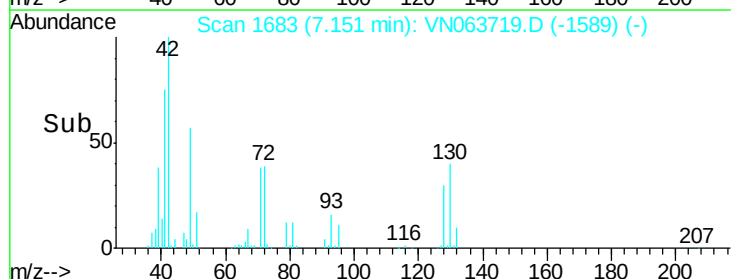
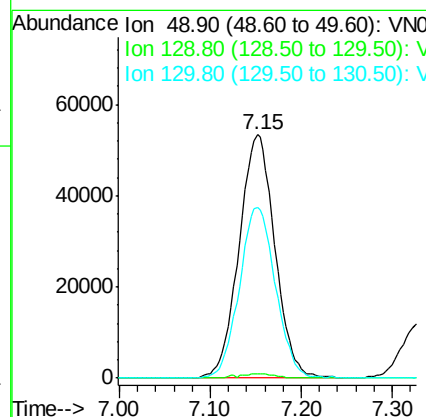
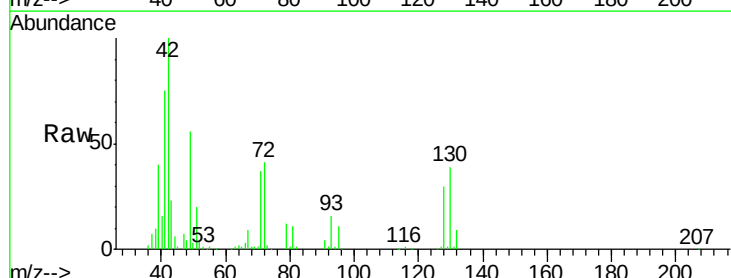
RT: 7.15 min Scan# 1683

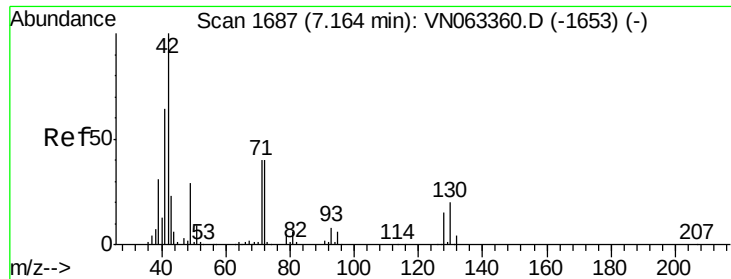
Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Tgt Ion:	49	Resp:	145837
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	70.6	52.2	78.2





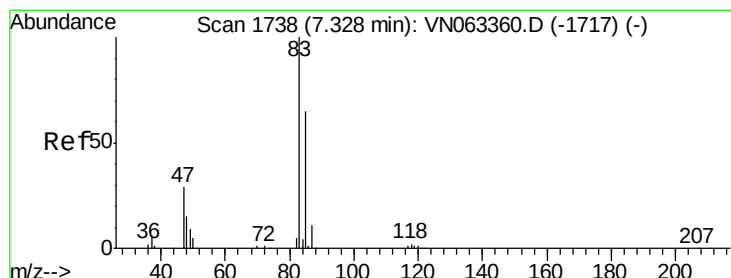
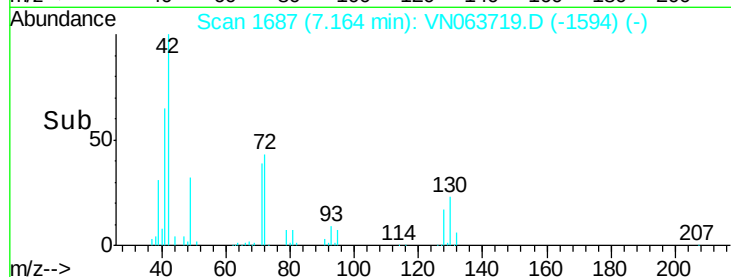
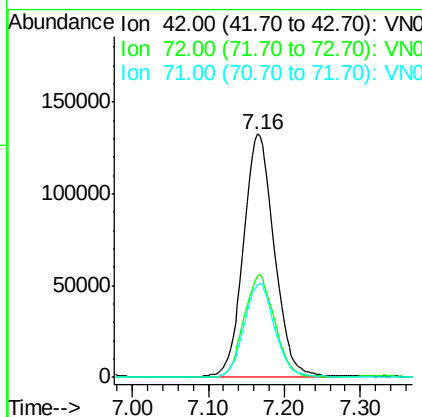
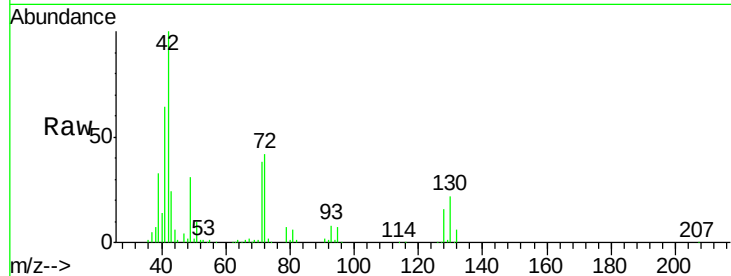
#29
Tetrahydrofuran
Concen: 218.521 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.1	48.1
71	38.3	31.2	46.8

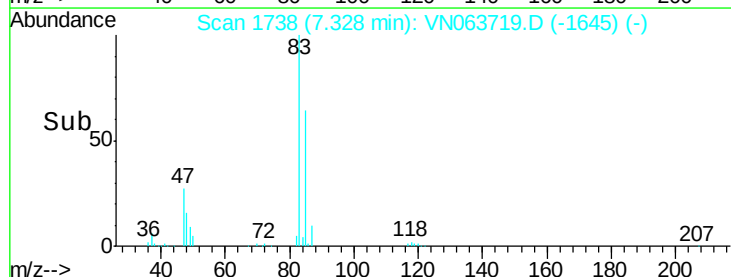
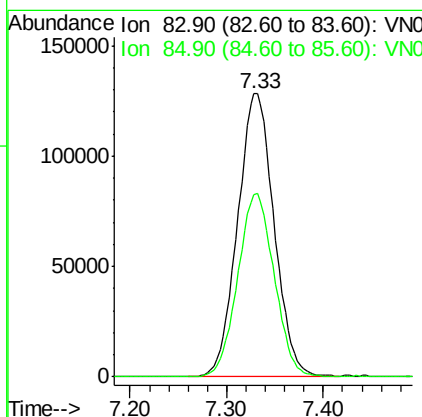
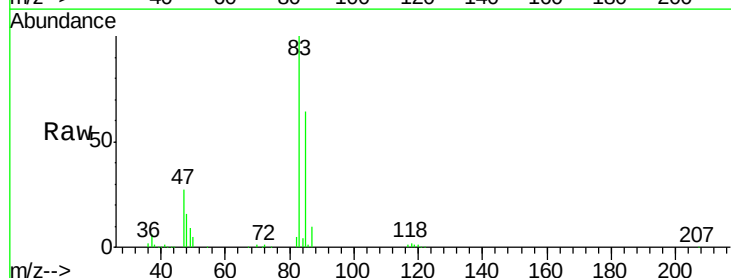
Manual Integrations
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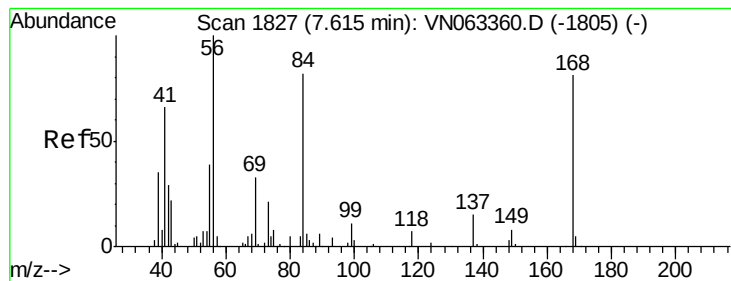
MMDadoda
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#30
Chloroform
Concen: 45.308 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1





#31

Cyclohexane

Concen: 36.958 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

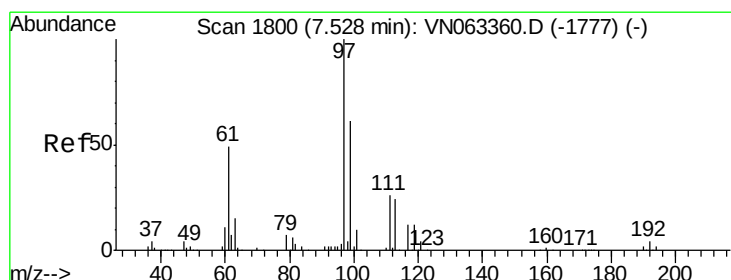
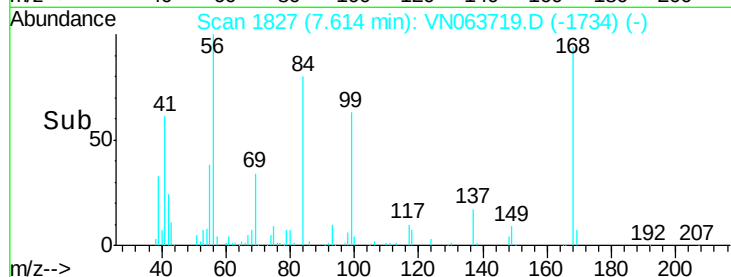
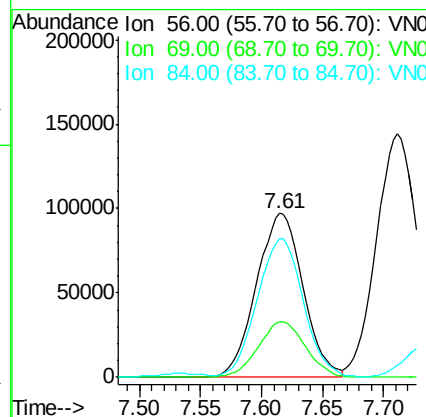
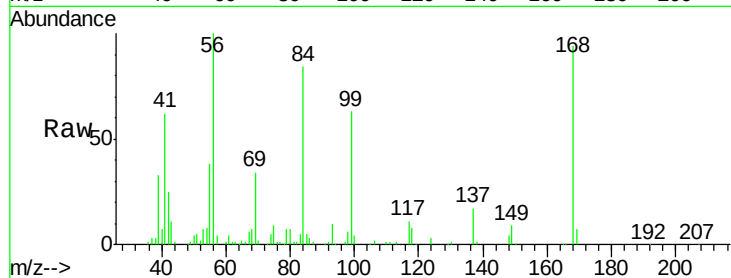
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	258591
Ion Ratio	Lower	Upper	
56	100		
69	34.2	26.1	39.1
84	82.4	65.4	98.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 45.813 ug/l

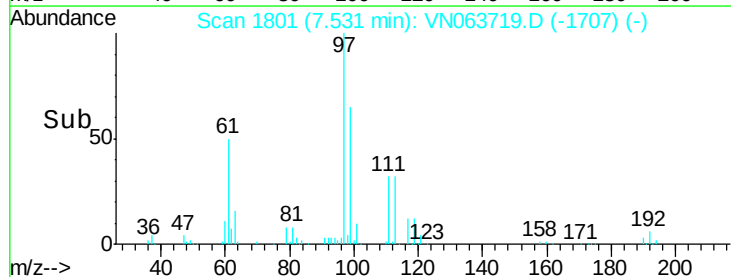
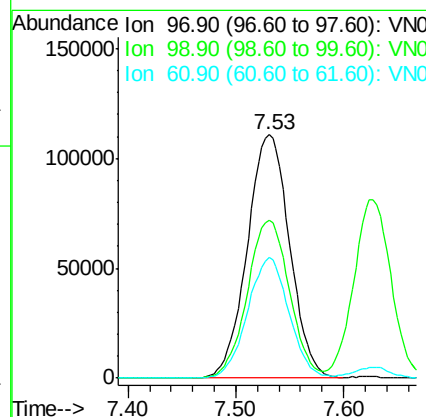
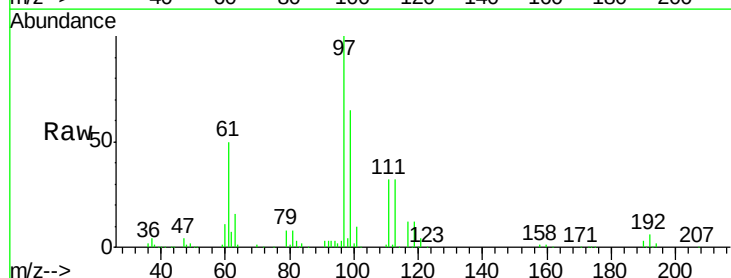
RT: 7.53 min Scan# 1801

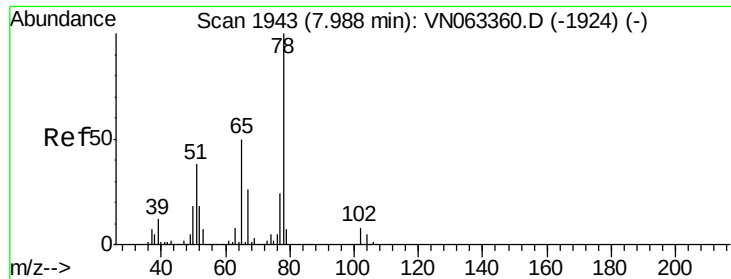
Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Tgt Ion:	97	Resp:	302402
Ion Ratio	Lower	Upper	
97	100		
99	64.5	50.6	76.0
61	48.5	39.2	58.8





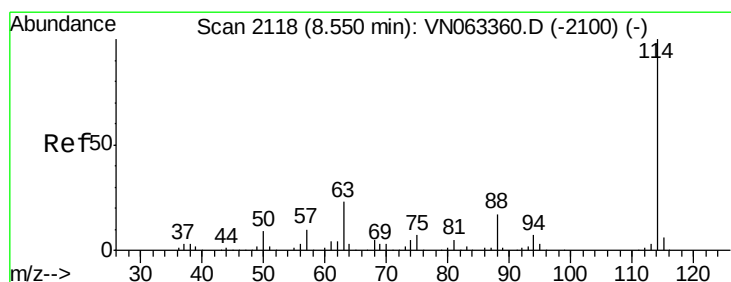
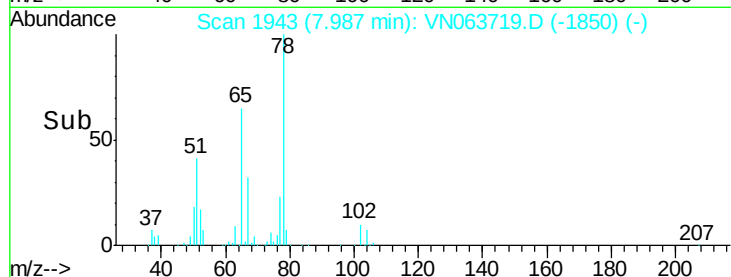
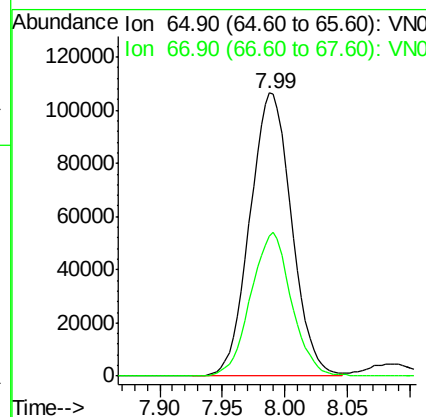
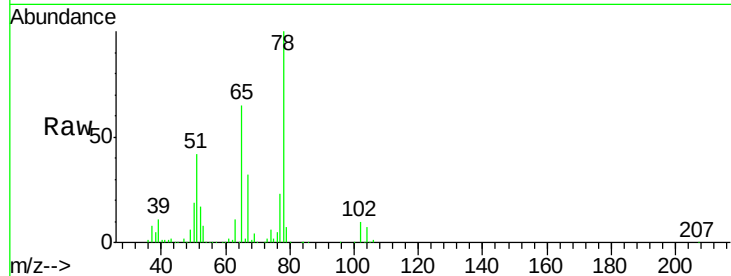
#33
 1,2-Dichloroethane-d4
 Concen: 48.702 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	246735		
67	49.4	0.0	104.2	

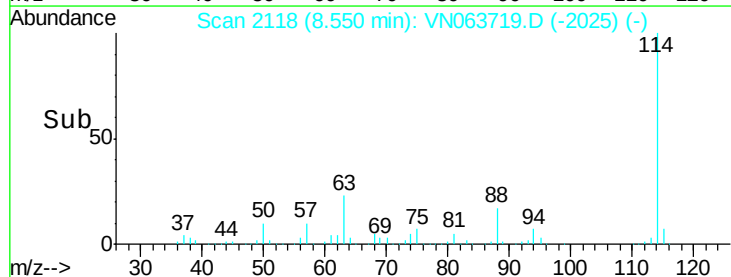
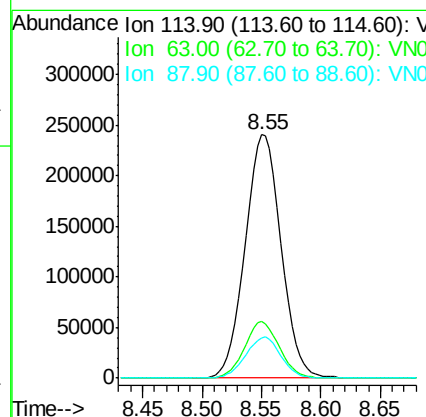
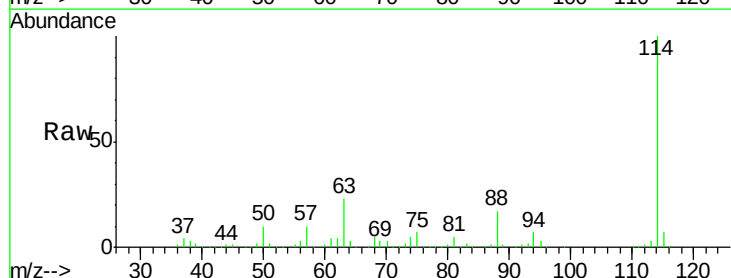
Manual Integrations
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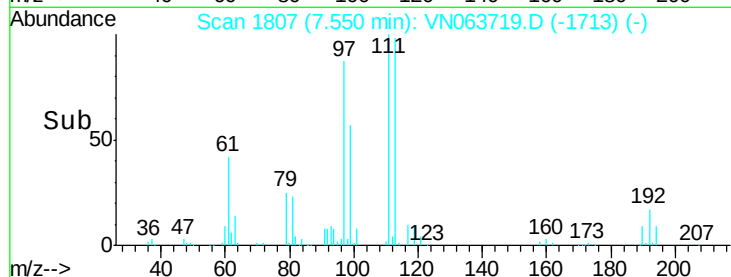
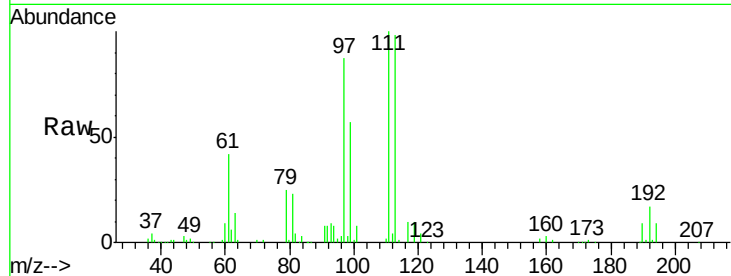
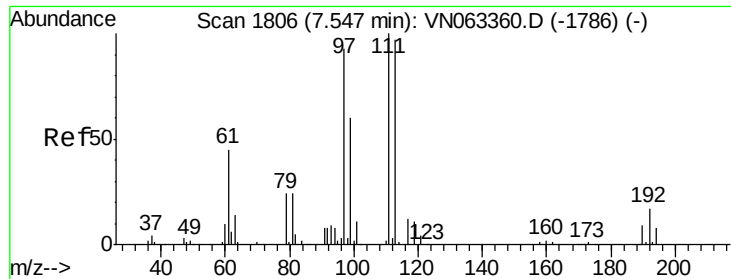
MMDadoda
 9/29/2020 4:38:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	503549		
63	23.3	0.0	46.4	
88	16.5	0.0	33.2	





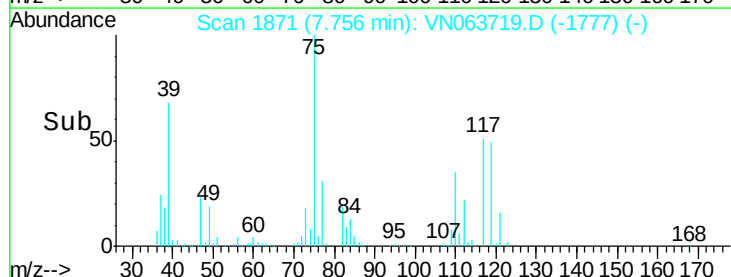
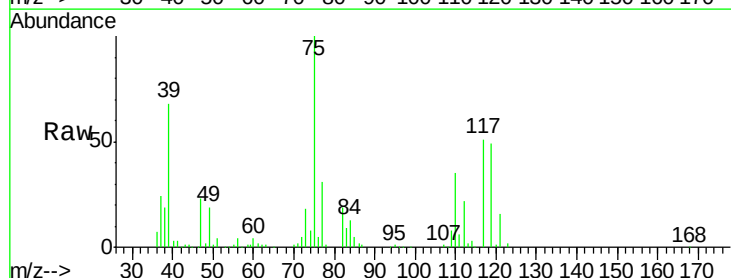
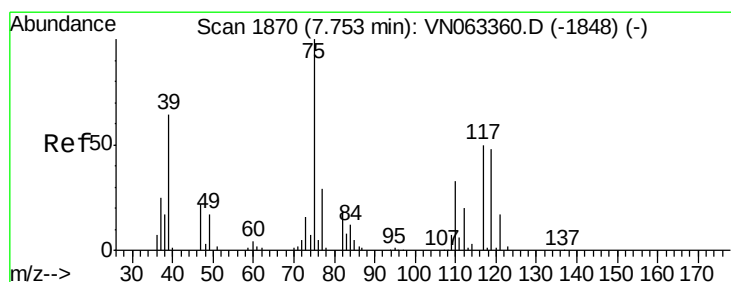
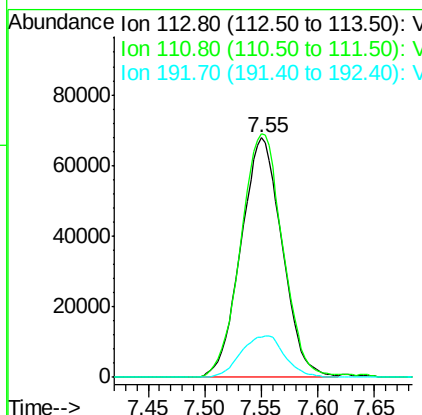
#35
Dibromofluoromethane
Concen: 49.202 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171517		
111	103.7	82.9	124.3	
192	18.5	13.9	20.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

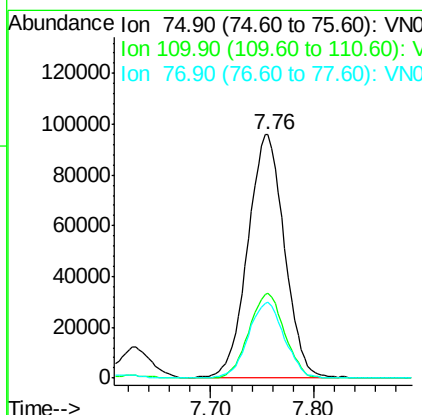
Manual Integrations
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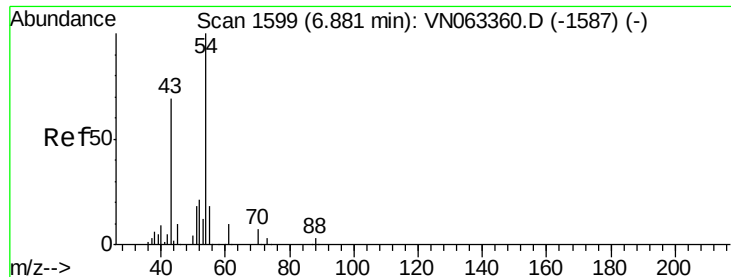
MMDadoda
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#36
1,1-Dichloropropene
Concen: 43.775 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	234833		
110	34.0	16.5	49.5	
77	31.1	24.6	36.8	





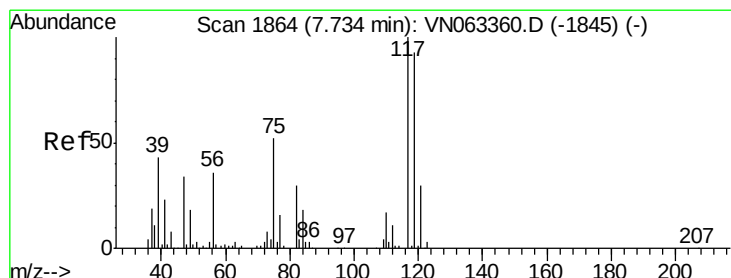
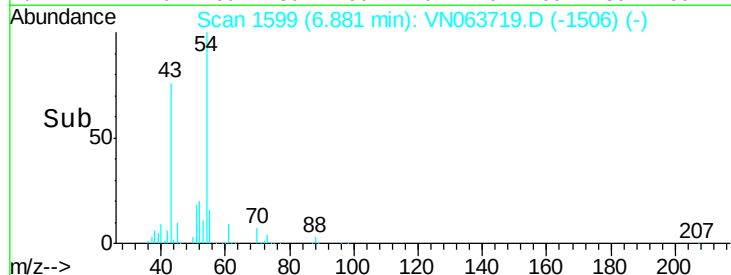
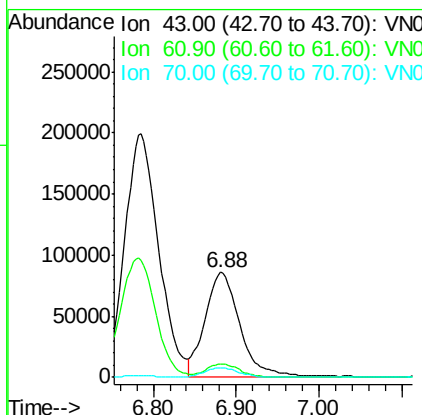
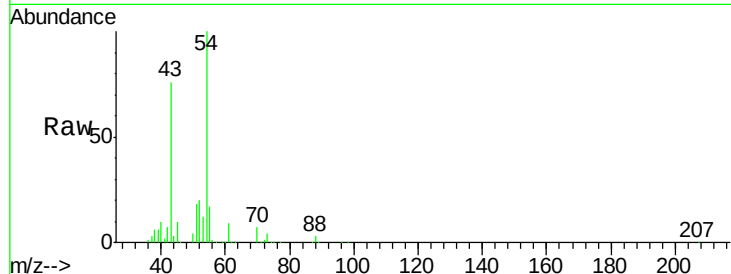
#37
Ethyl Acetate
Concen: 47.054 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	247745
Ion Ratio	100	Lower	Upper
43	100		
61	12.8	10.6	15.8
70	9.3	7.2	10.8

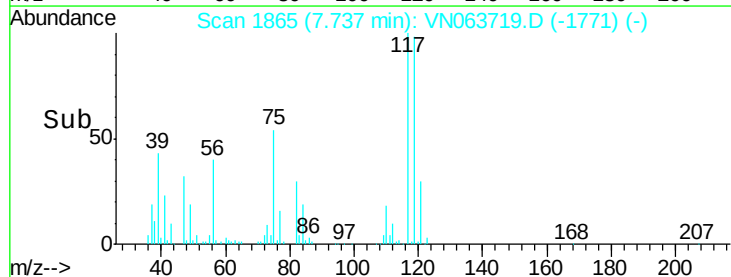
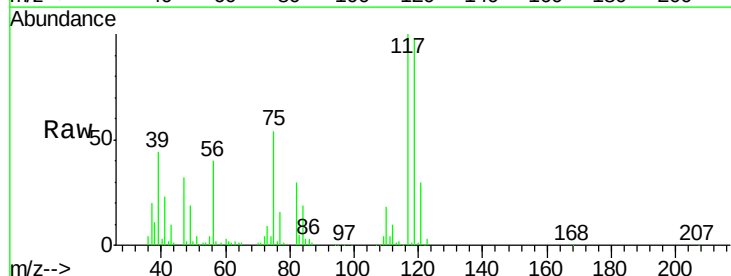
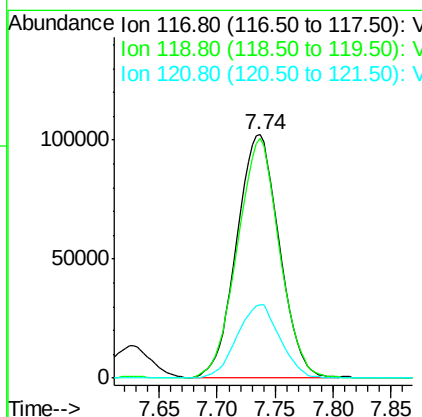
Manual Integrations
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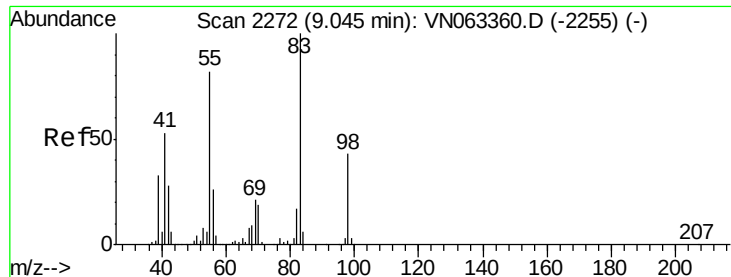
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#38
Carbon Tetrachloride
Concen: 47.572 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	117	Resp	260515
Ion Ratio	100	Lower	Upper
117	100		
119	98.4	74.5	111.7
121	30.5	24.1	36.1





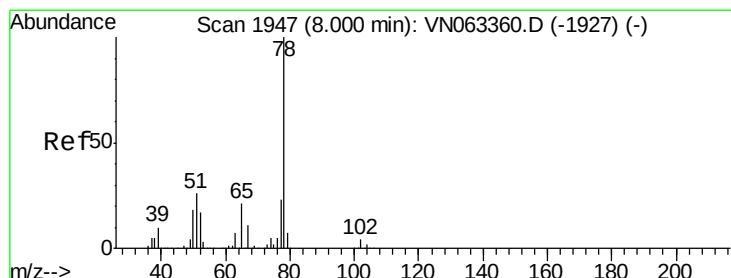
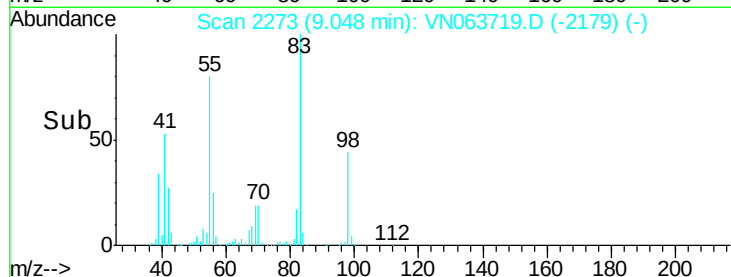
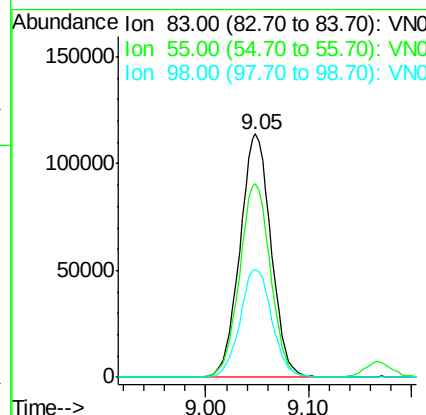
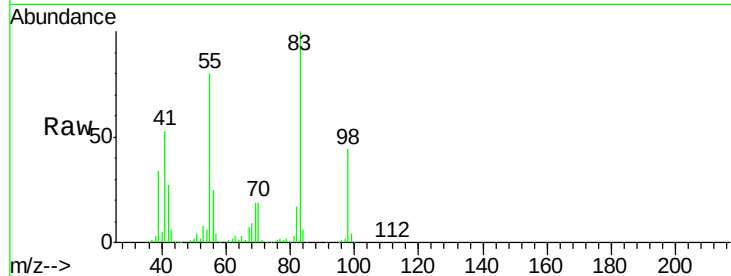
#39
Methylvlcyclohexane
Concen: 40.971 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	238547		
55	79.8		65.5	98.3
98	44.3		34.2	51.4

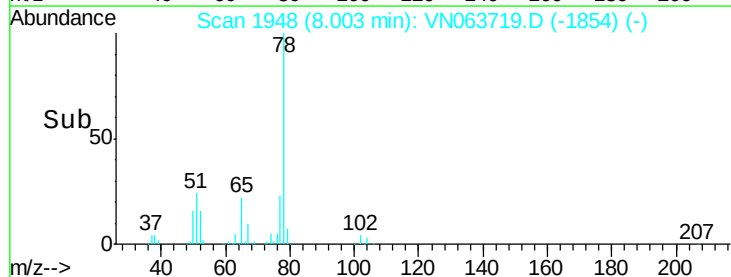
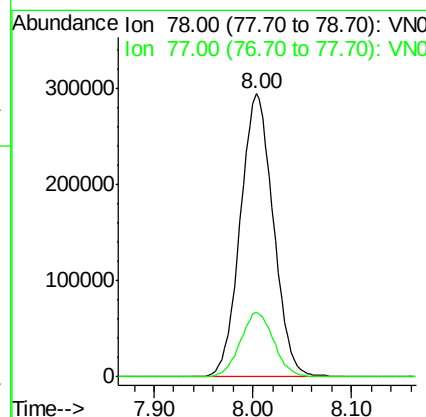
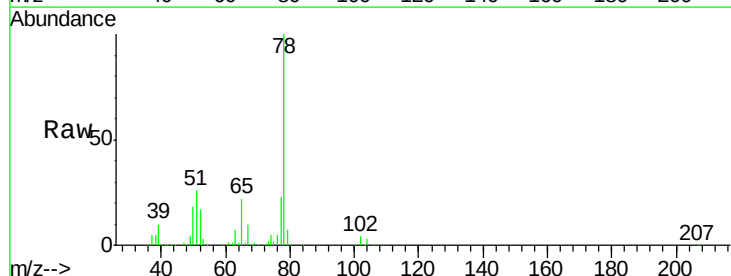
Manual Integrations
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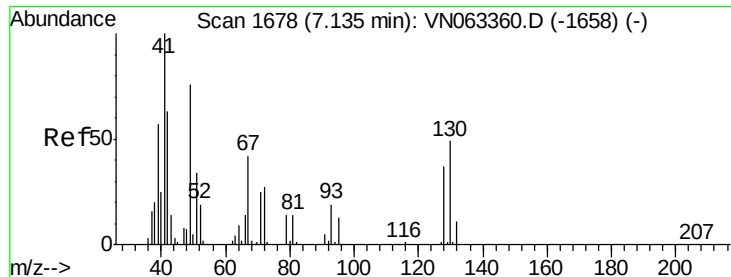
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#40
Benzene
Concen: 44.583 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	682740		
77	22.8		18.3	27.5





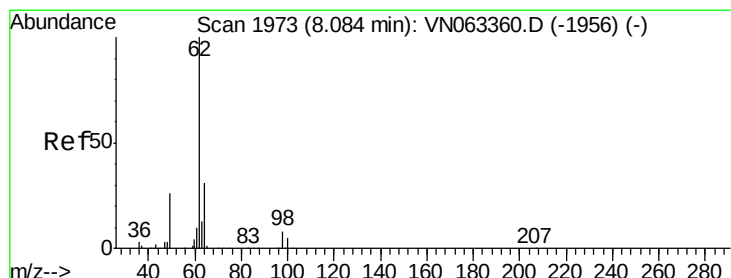
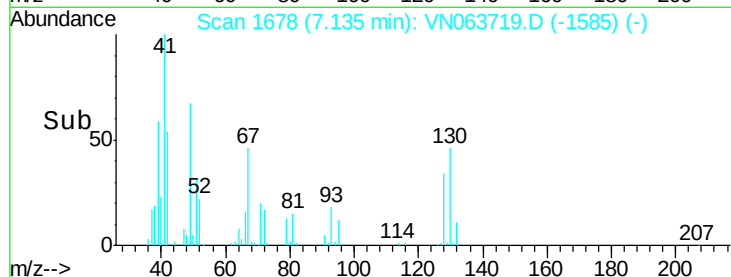
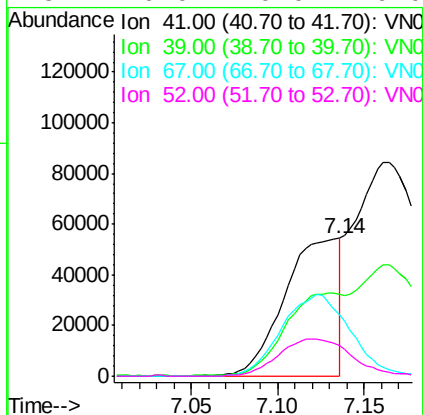
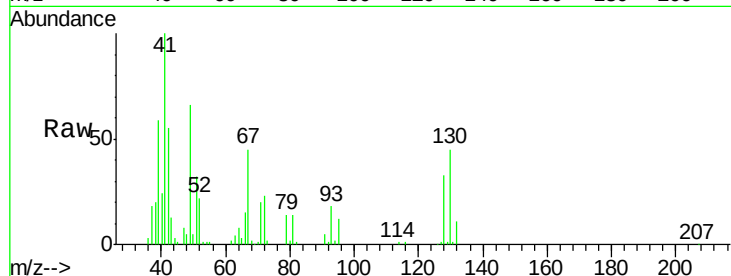
#41
Methacrylonitrile
Concen: 50.298 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	119109
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

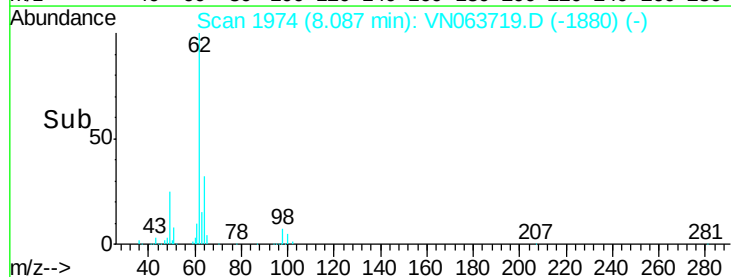
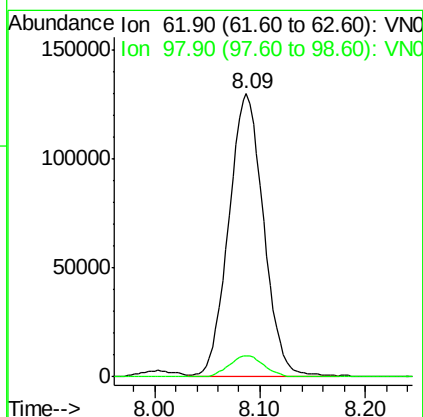
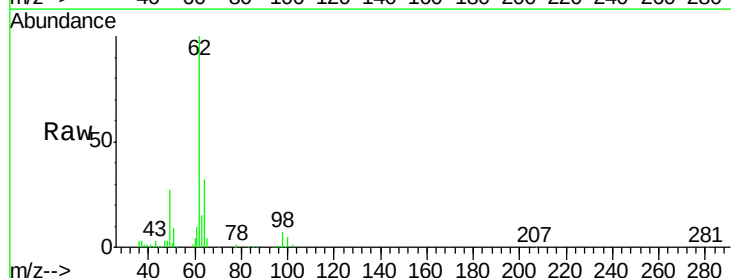
Manual Integrations
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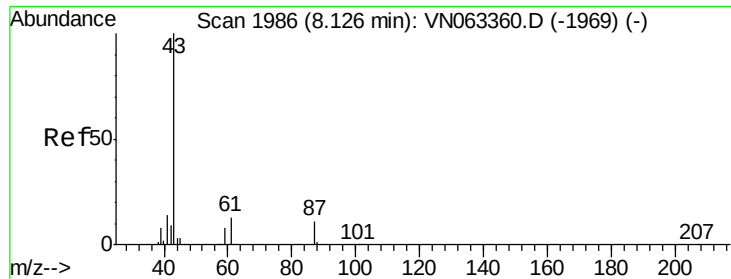
MMDadoda
9/29/2020 4:38:16 PM



#42
1,2-Dichloroethane
Concen: 48.082 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	62	Resp	296111
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 45.345 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

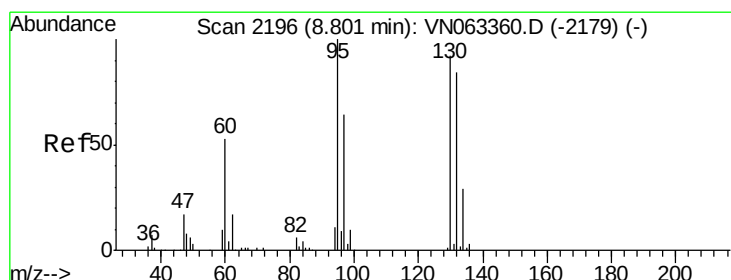
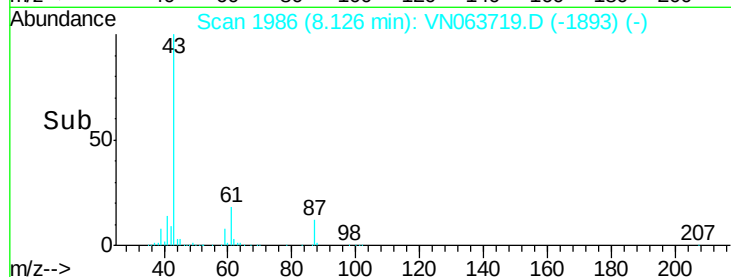
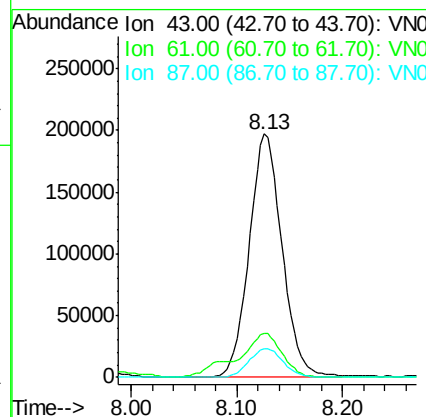
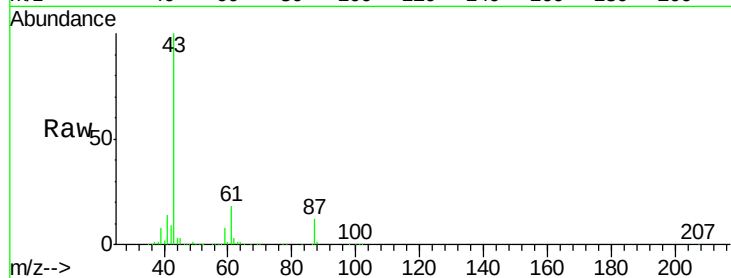
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	426904
Ion	Ratio	Lower	Upper
43	100		
61	24.4	14.2	21.2#
87	12.4	9.0	13.6

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#44

Trichloroethene

Concen: 47.943 ug/l

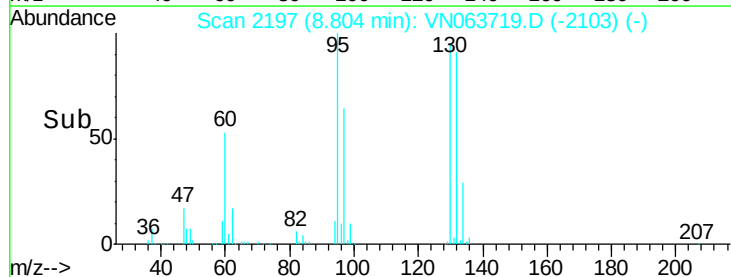
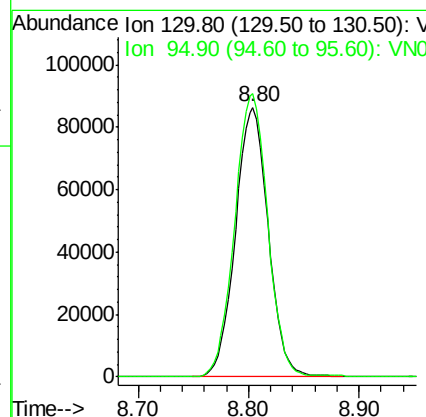
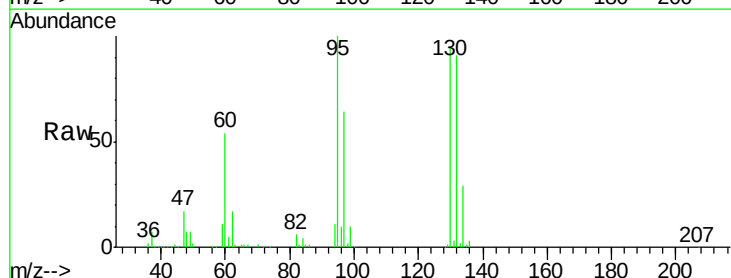
RT: 8.80 min Scan# 2197

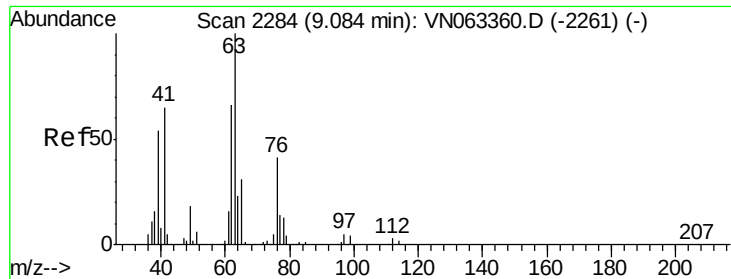
Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Tgt Ion:	130	Resp:	178077
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	217.4





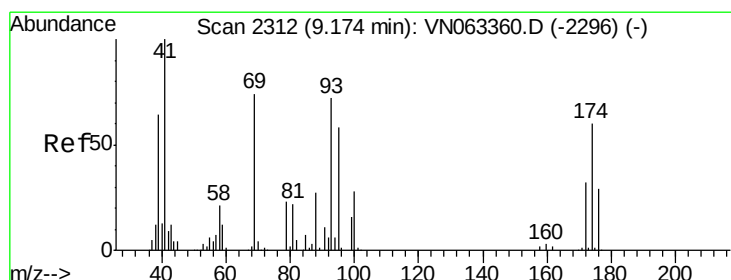
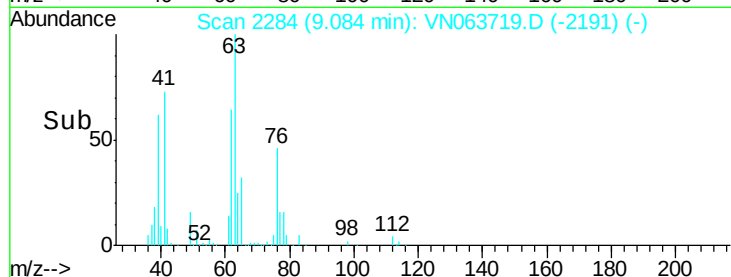
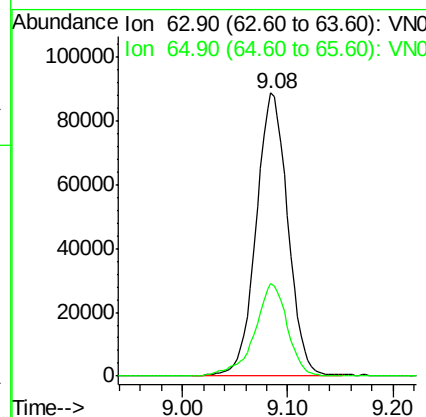
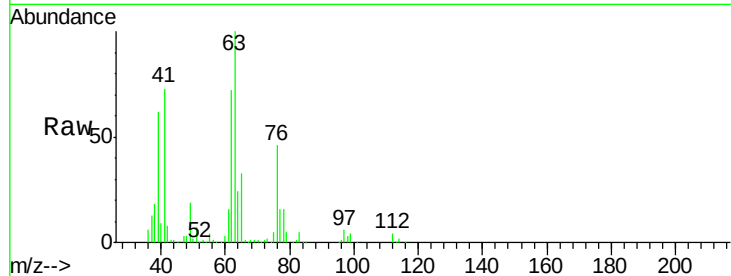
#45
 1,2-Dichloropropane
 Concen: 44.606 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 186045
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.0 37.6

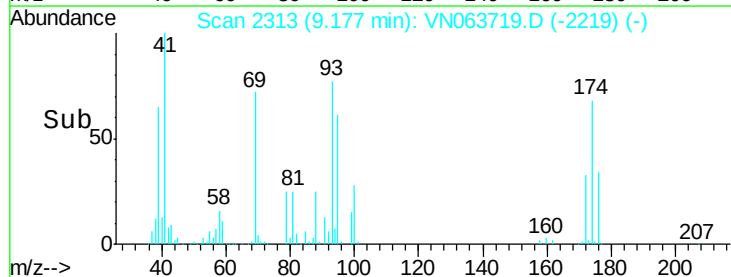
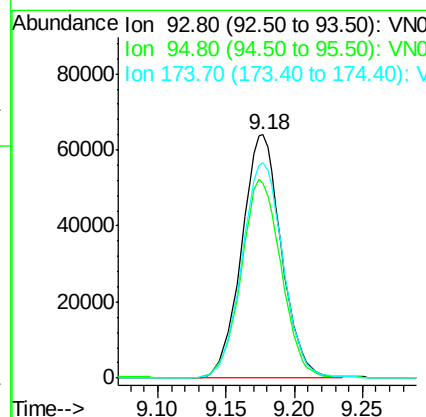
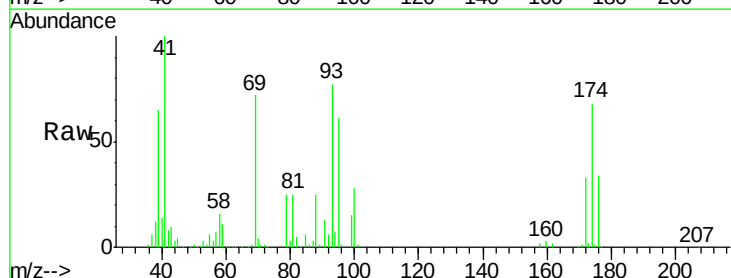
Manual Integrations
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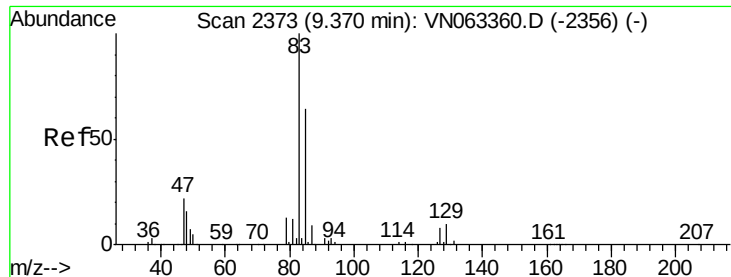
MMDadoda
 9/29/2020 4:38:16 PM



#46
 Dibromomethane
 Concen: 47.106 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion: 93 Resp: 129132
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.6 98.4
 174 91.7 68.1 102.1





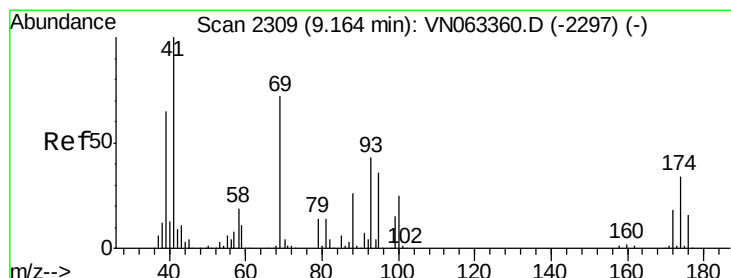
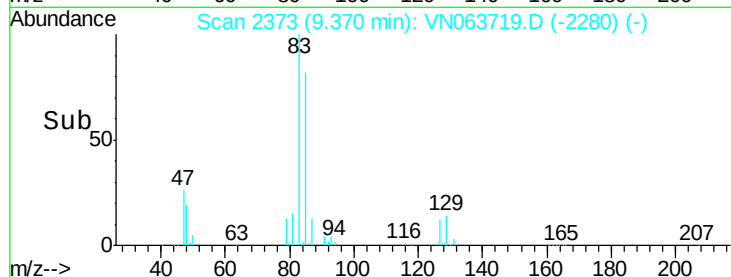
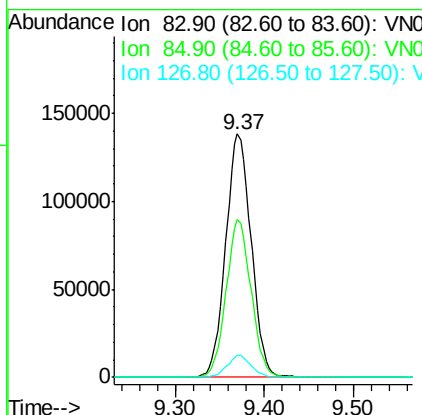
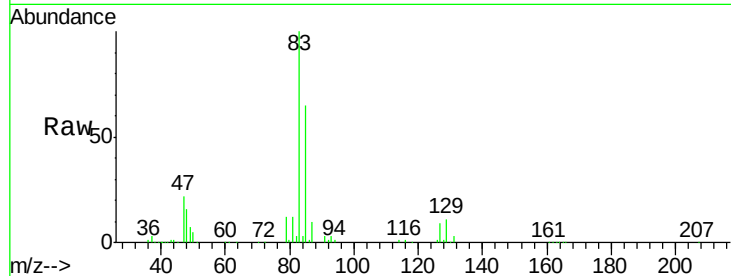
#47
Bromodichloromethane
Concen: 48.061 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	273712		
85	64.6	51.0	76.6	
127	9.1	6.3	9.5	

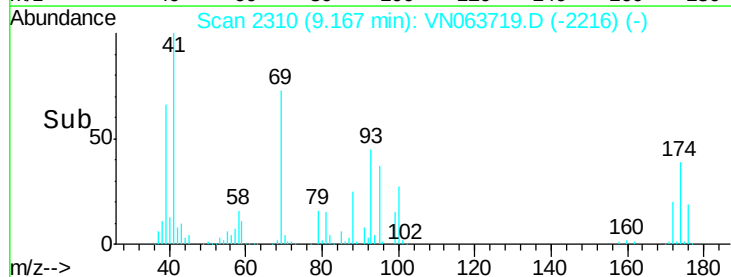
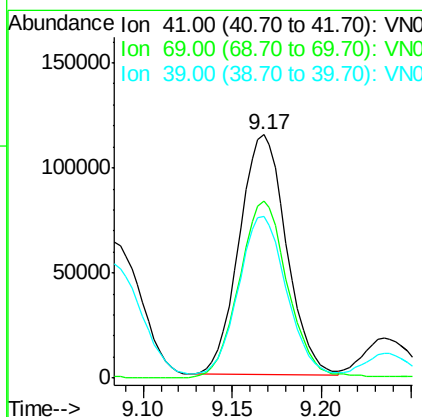
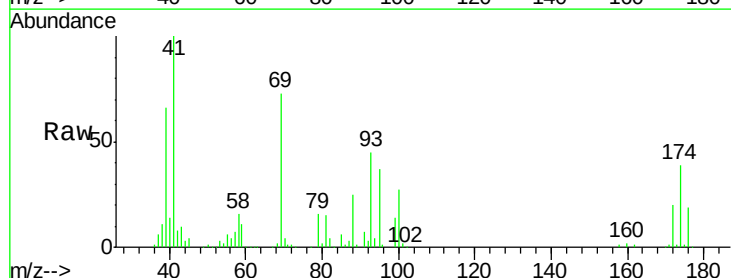
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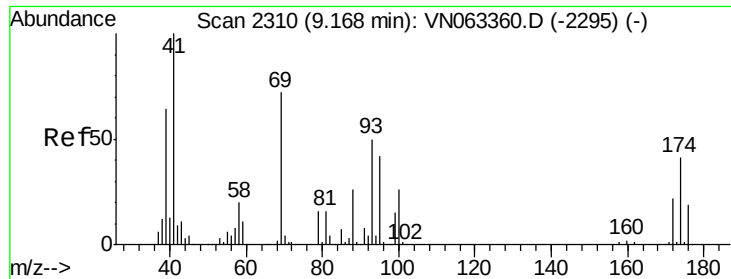
MMDadoda
9/29/2020 4:38:16 PM



#48
Methyl methacrylate
Concen: 45.809 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	211887		
69	76.6	59.3	88.9	
39	68.6	52.9	79.3	





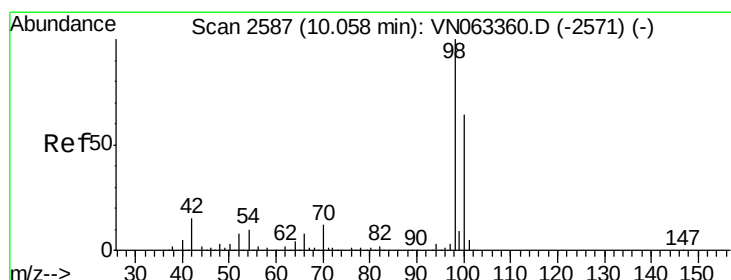
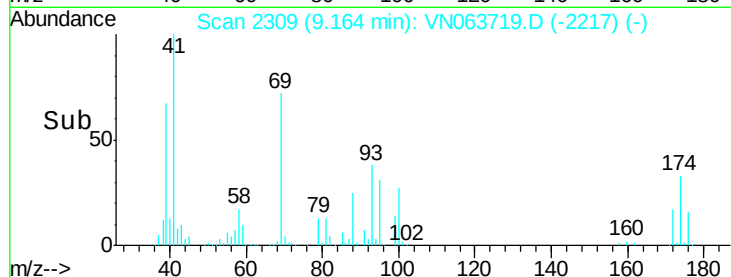
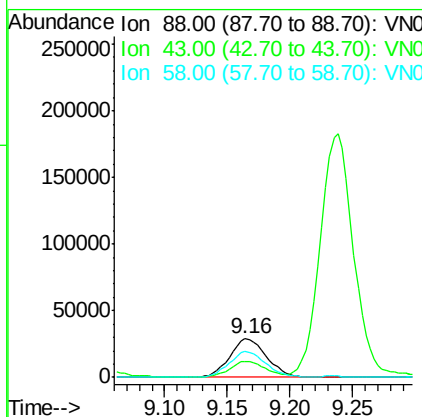
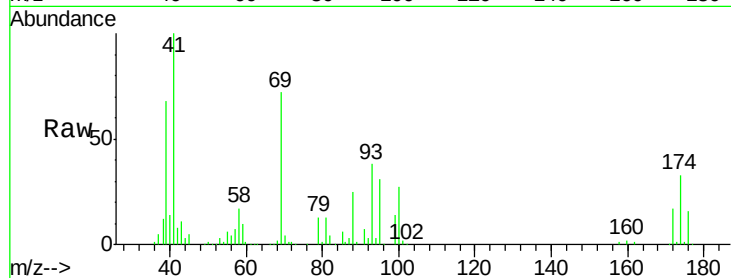
#49
1,4-Dioxane
Concen: 899.861 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	32.6	49.0
58	65.9	60.0	90.0

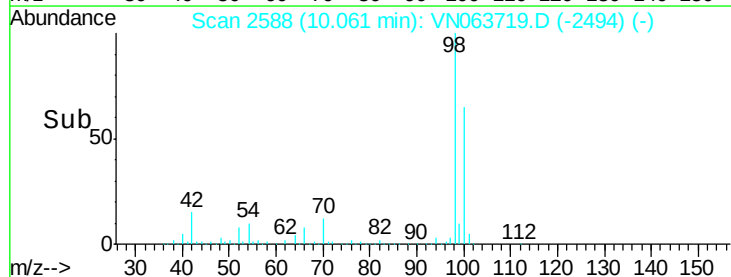
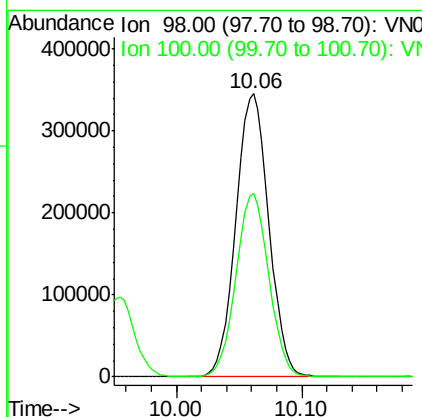
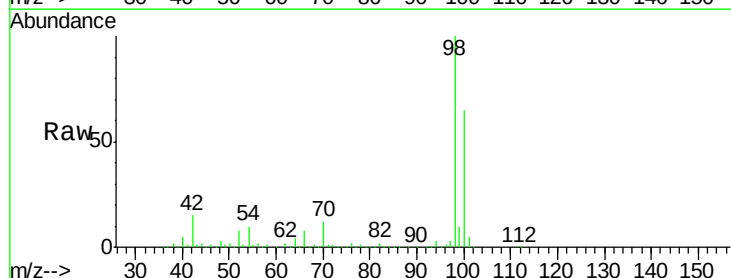
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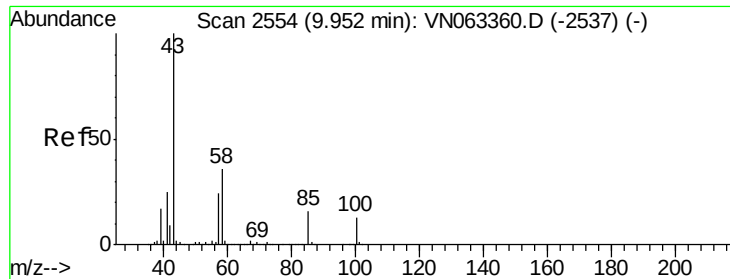
MMDadoda
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#50
Toluene-d8
Concen: 48.184 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





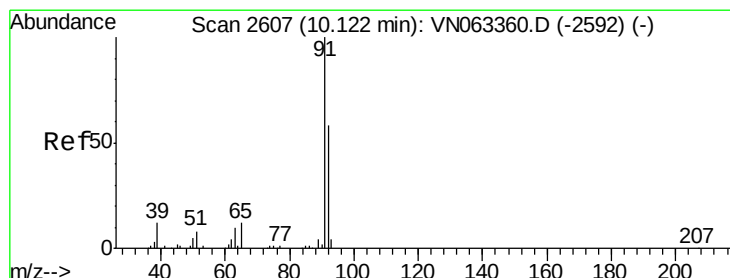
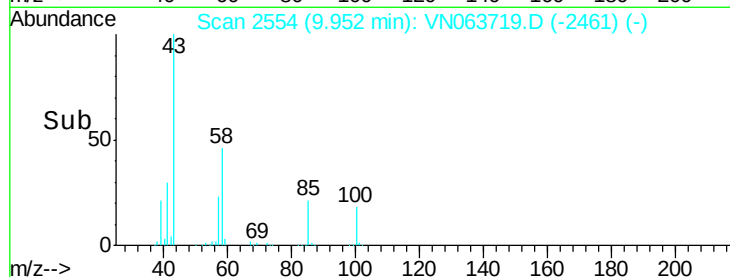
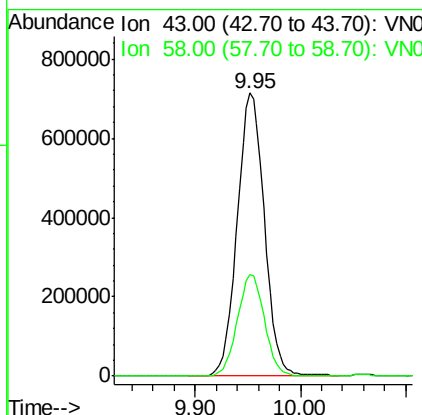
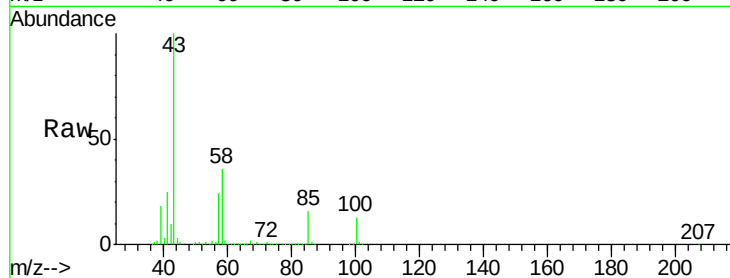
#51
 4-Methyl-2-Pentanone
 Concen: 241.355 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1272089
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.0 43.6

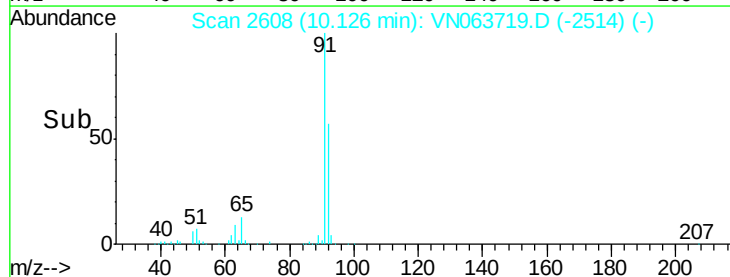
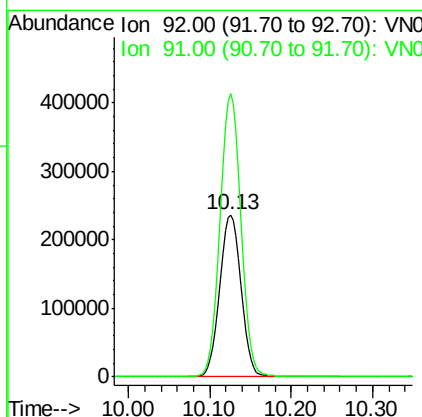
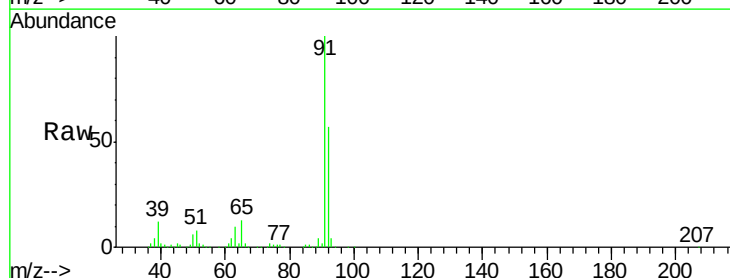
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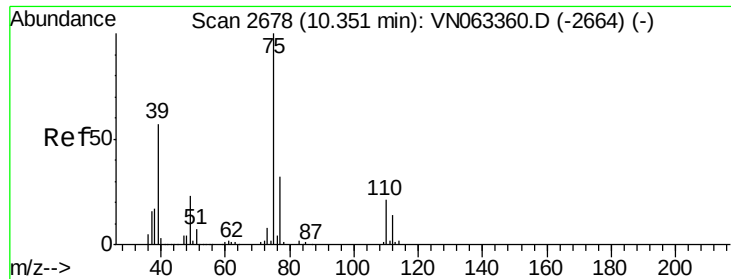
MMDadoda
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#52
 Toluene
 Concen: 47.915 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion: 92 Resp: 441165
 Ion Ratio Lower Upper
 92 100
 91 171.3 139.7 209.5





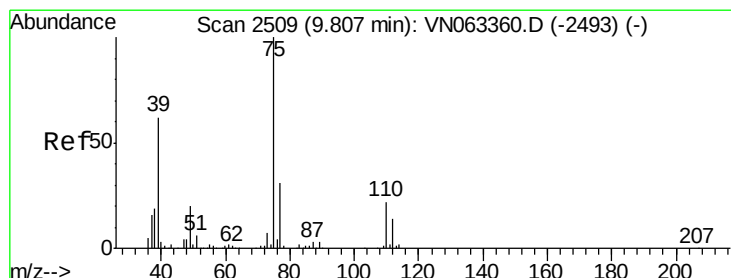
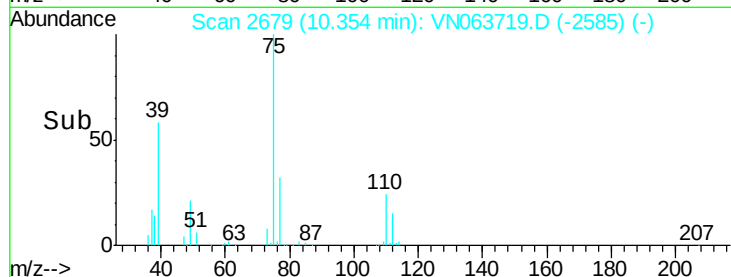
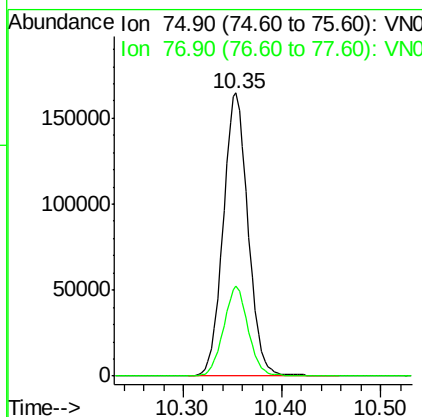
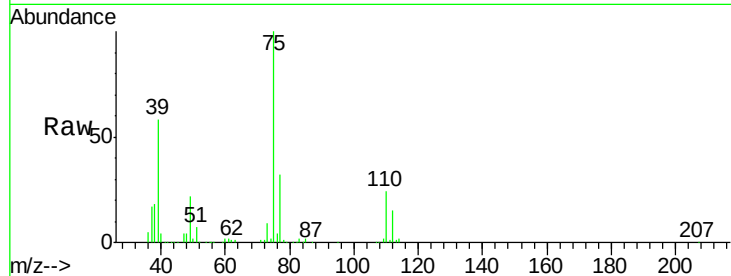
#53
t-1,3-Dichloropropene
Concen: 45.901 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

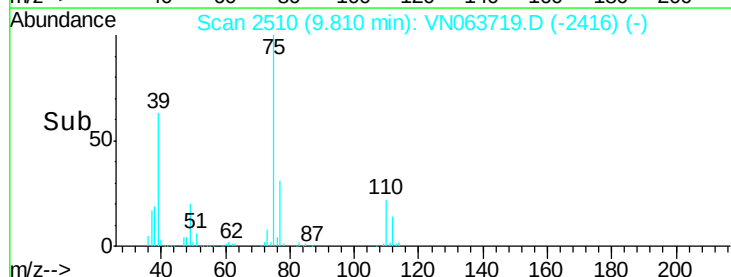
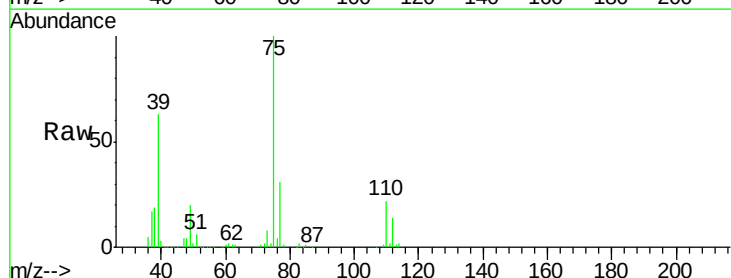
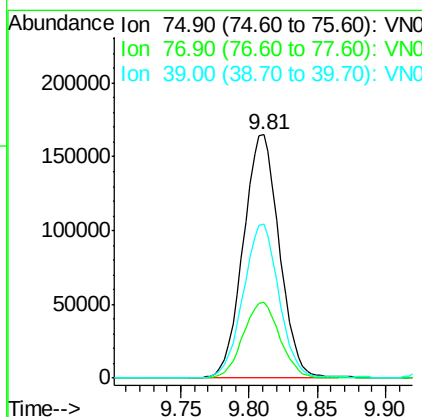
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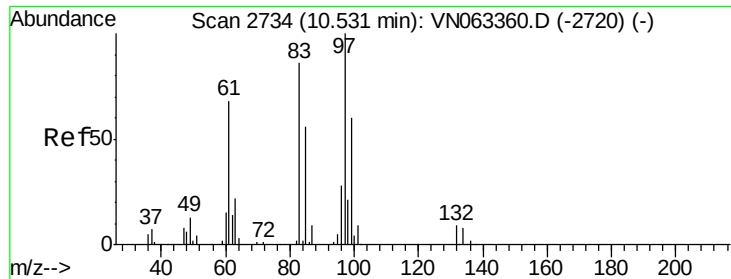
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#54
cis-1,3-Dichloropropene
Concen: 45.131 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	37.0
39	62.9	49.8	74.8





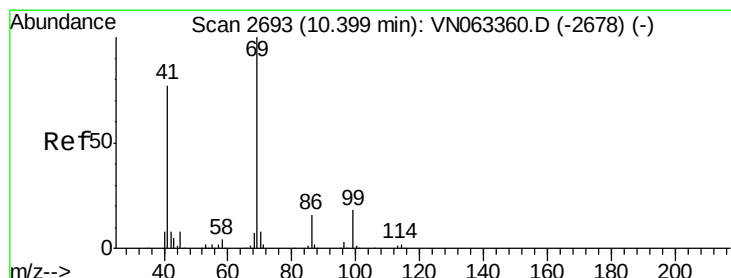
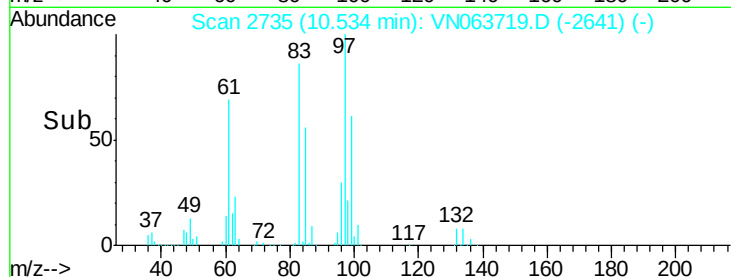
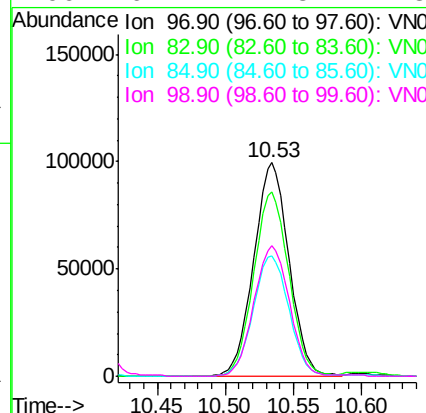
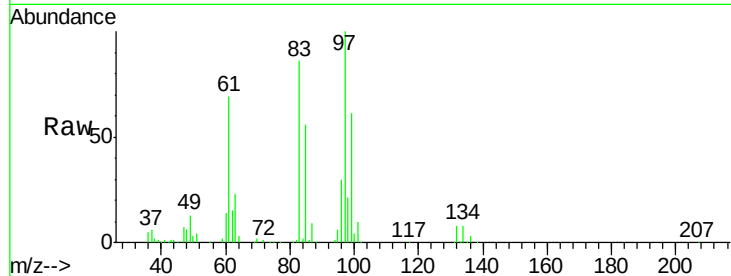
#55
 1,1,2-Trichloroethane
 Concen: 48.920 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	178908
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	56.4	44.8	67.2
99	61.1	47.8	71.8

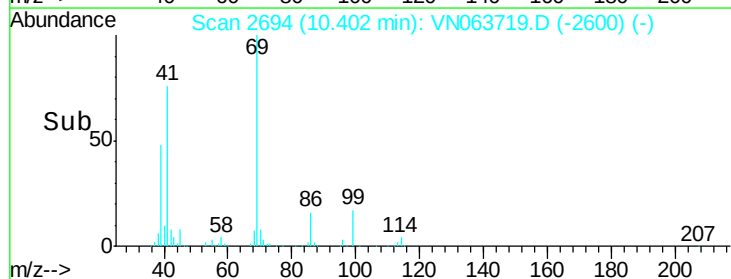
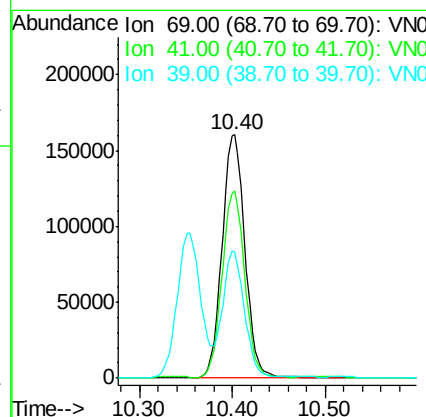
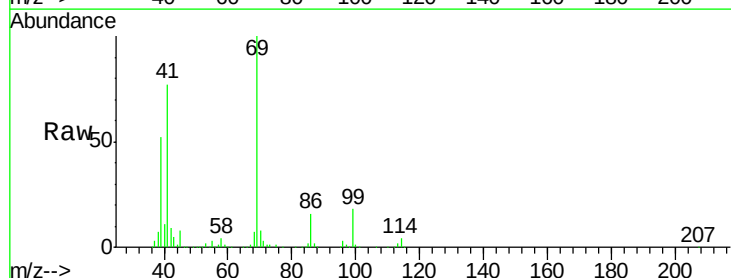
Manual Integrations
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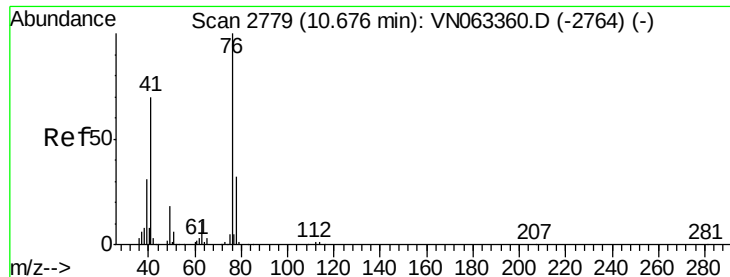
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#56
 Ethyl methacrylate
 Concen: 48.115 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion	69	Resp	274701
Ion	Ratio	Lower	Upper
69	100		
41	75.2	61.0	91.6
39	50.1	39.2	58.8





#57

1,3-Dichloropropane

Concen: 45.959 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 303101

Ion Ratio Lower Upper

76 100

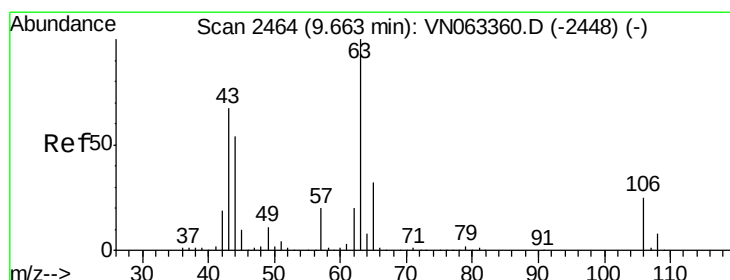
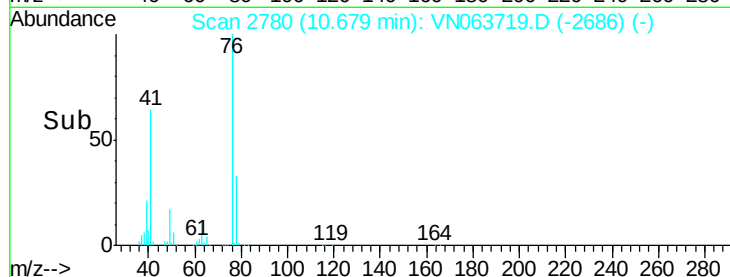
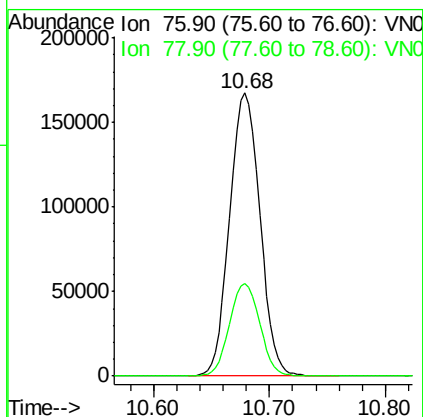
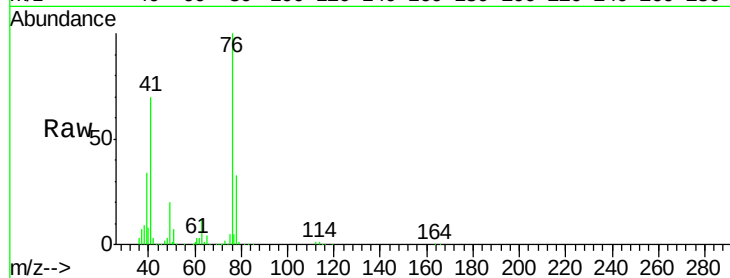
78 32.7 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 221.673 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN063719.D

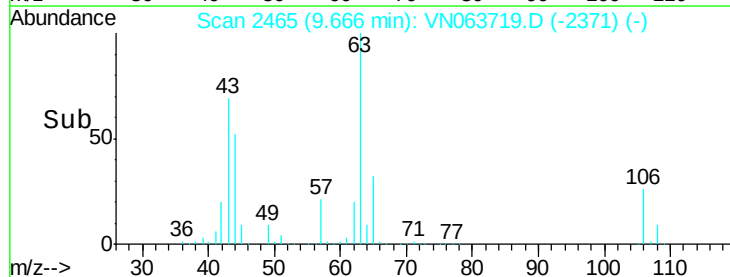
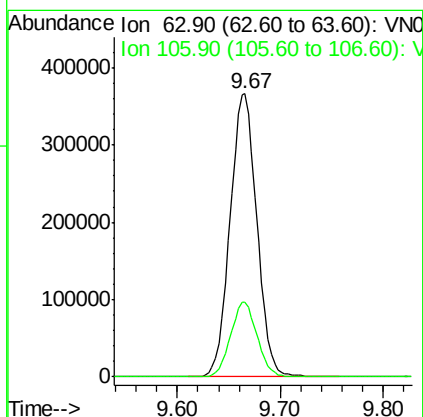
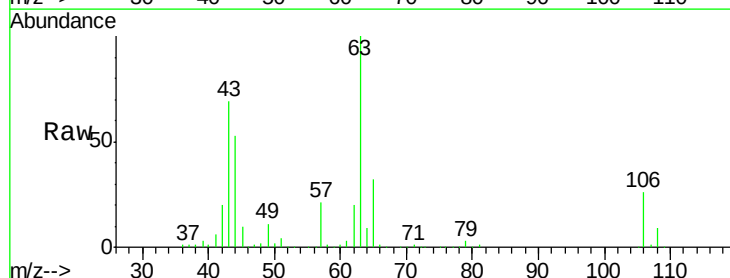
Acq: 28 Sep 2020 20:44

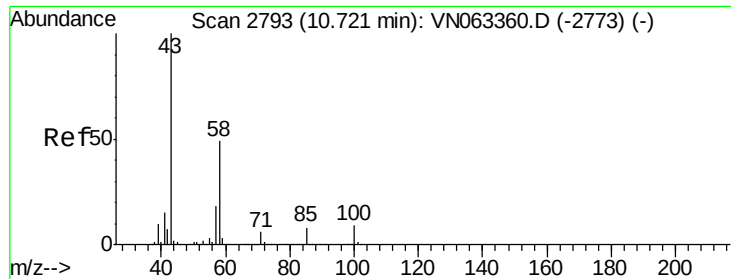
Tgt Ion: 63 Resp: 663906

Ion Ratio Lower Upper

63 100

106 26.1 19.5 29.3





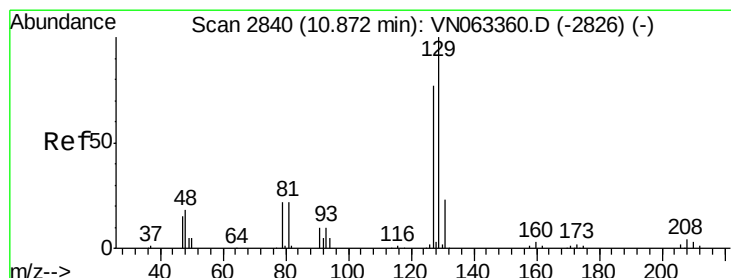
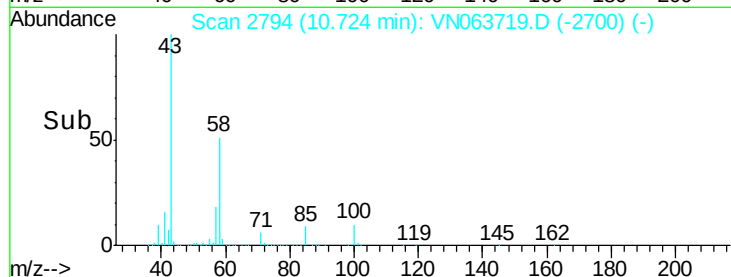
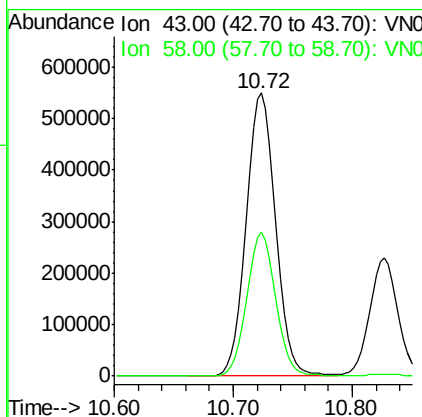
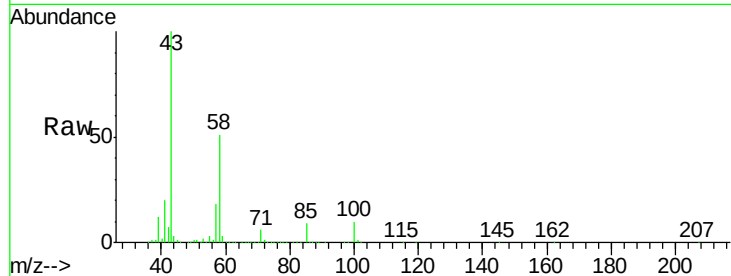
#59
2-Hexanone
Concen: 245.975 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 939233
Ion Ratio Lower Upper
43 100
58 50.1 24.7 74.1

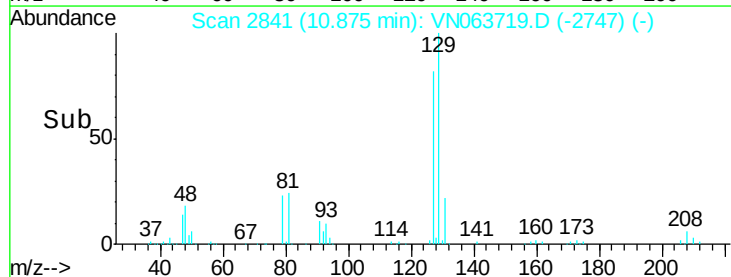
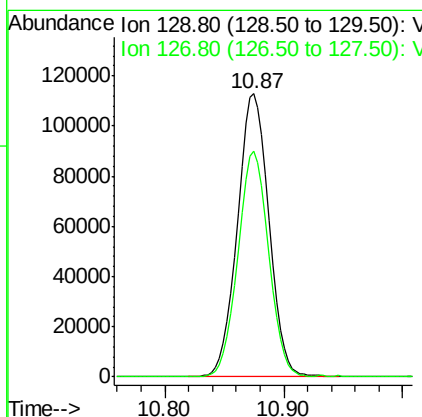
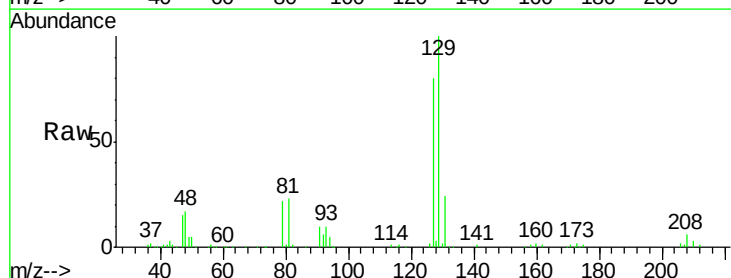
Manual Integrations
APPROVED

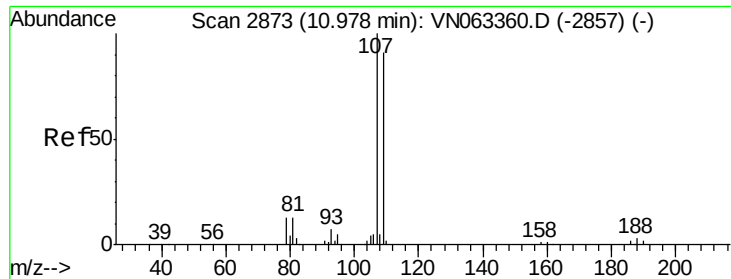
MMDadoda
9/29/2020 4:38:16 PM



#60
Dibromochloromethane
Concen: 50.217 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion: 129 Resp: 207478
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.3





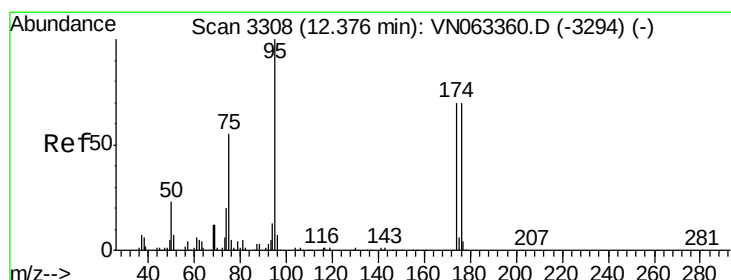
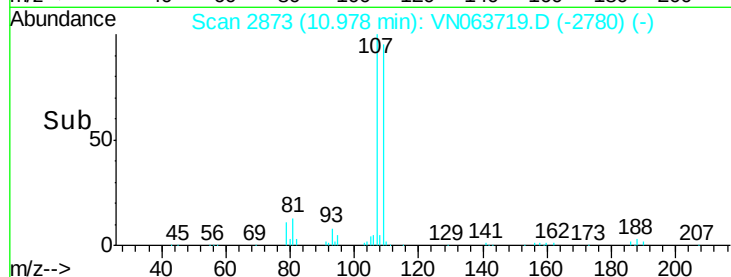
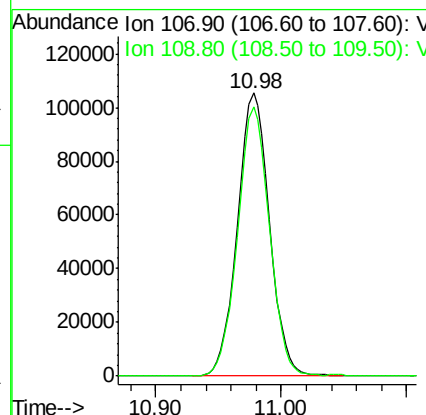
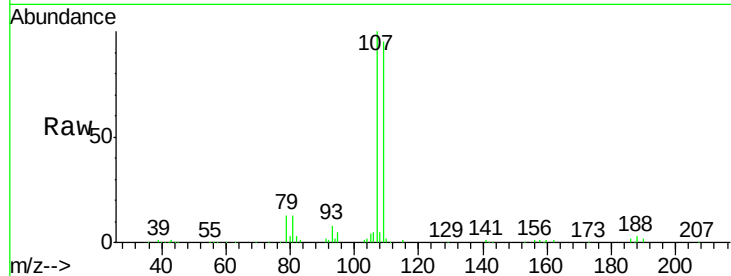
#61
 1,2-Dibromoethane
 Concen: 49.318 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.6	111.8

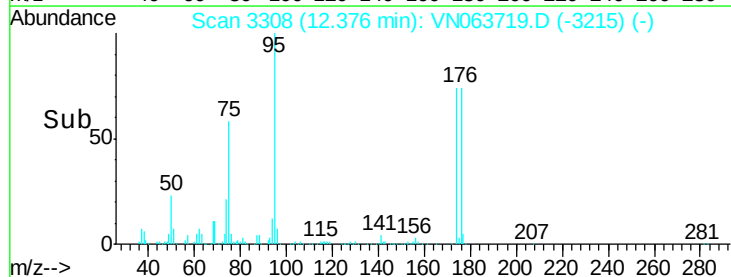
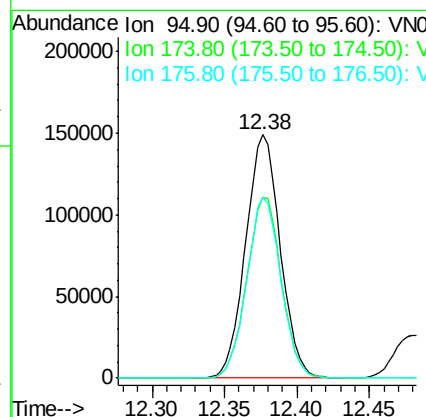
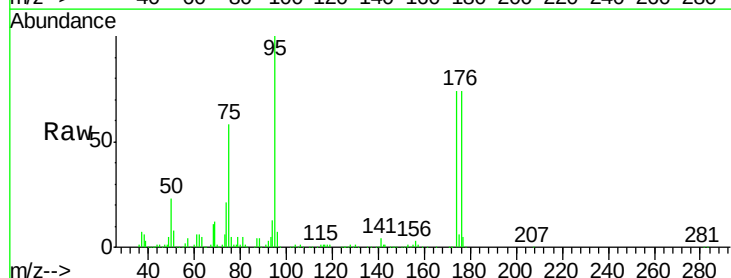
Manual Integrations
 APPROVED

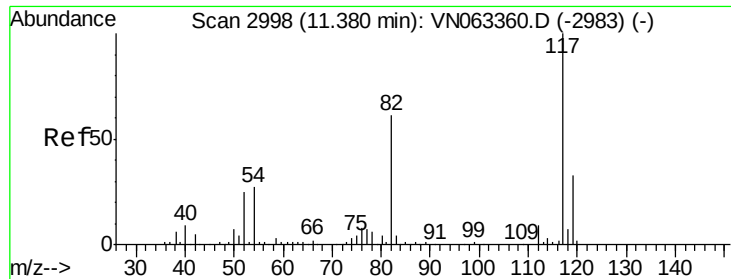
MMDadoda
 9/29/2020 4:38:16 PM



#62
 4-Bromofluorobenzene
 Concen: 51.583 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	140.8
176	73.0	0.0	137.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

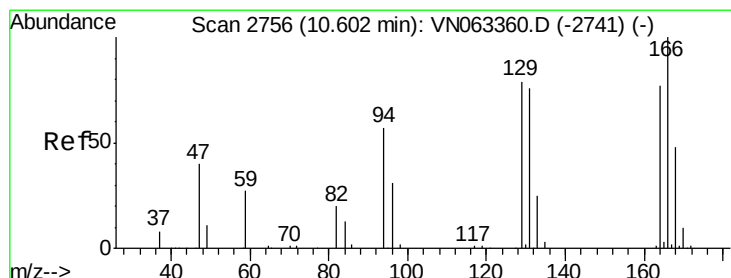
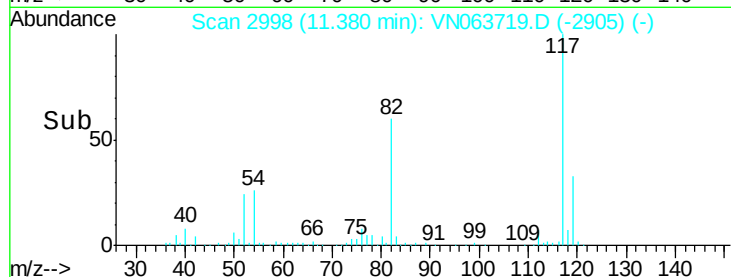
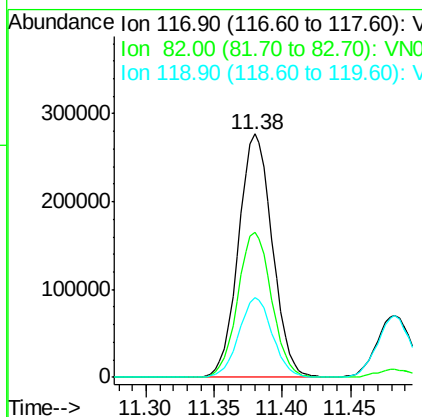
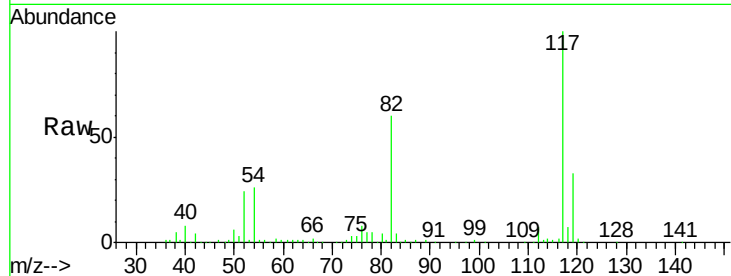
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	477346
Ion Ratio	Lower	Upper	
117	100		
82	59.7	49.2	73.8
119	32.7	26.2	39.4

Manual Integrations
APPROVED

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9/29/2020 4:38:16 PM



#64

Tetrachloroethene

Concen: 49.382 ug/l

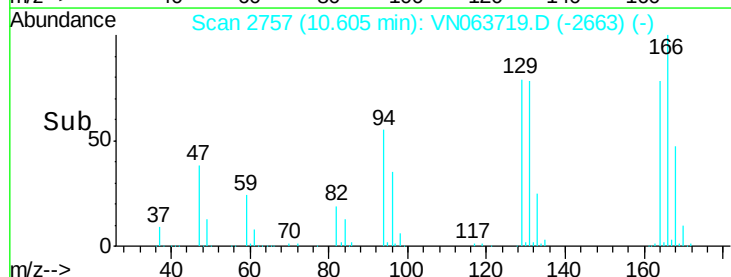
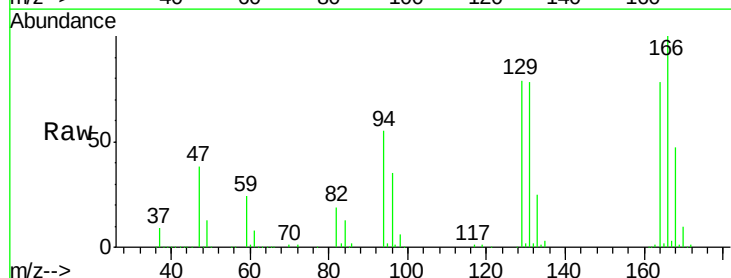
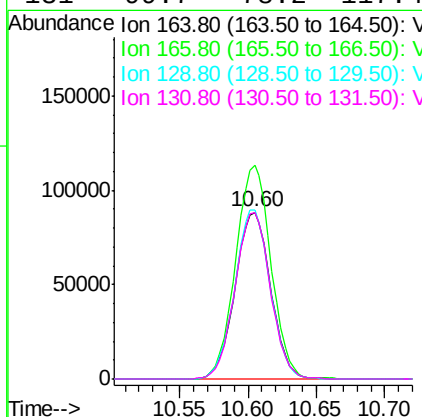
RT: 10.60 min Scan# 2757

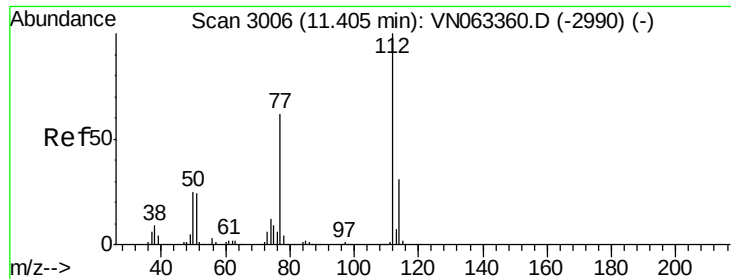
Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Tgt Ion:	164	Resp:	160510
Ion Ratio	Lower	Upper	
164	100		
166	128.3	103.4	155.0
129	101.4	81.8	122.6
131	99.7	78.2	117.4





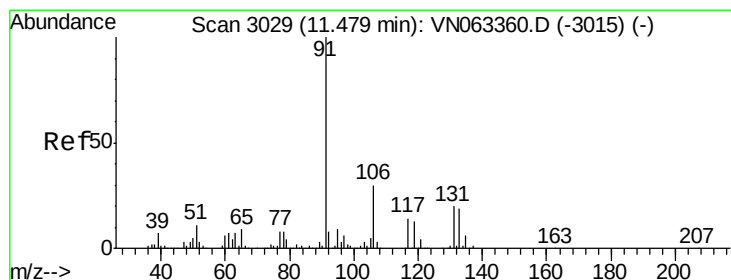
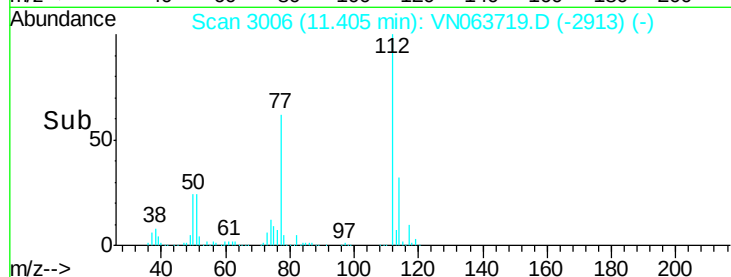
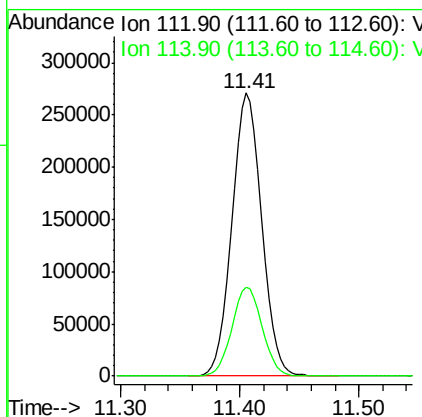
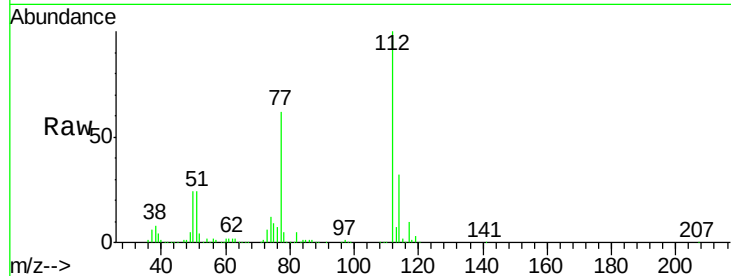
#65
Chlorobenzene
Concen: 46.327 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6

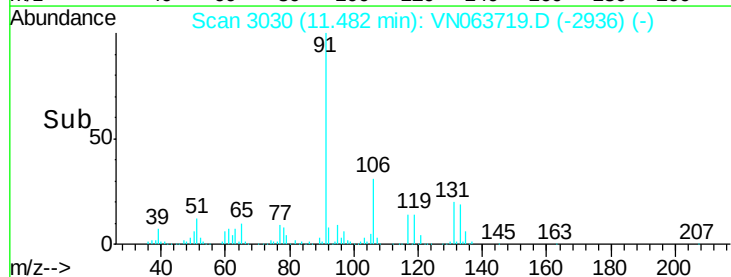
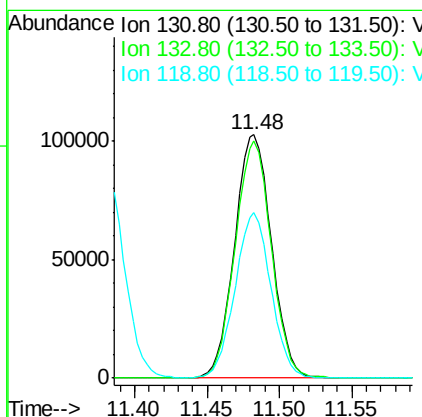
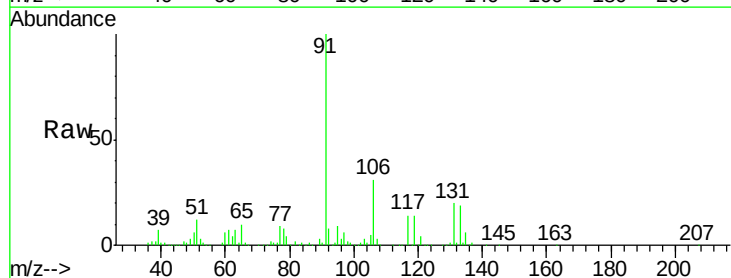
Manual Integrations
APPROVED

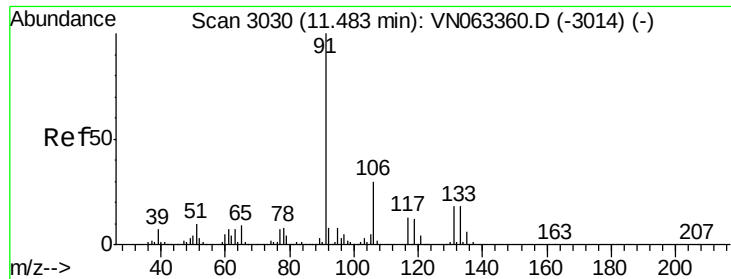
MMDadoda
9/29/2020 4:38:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.989 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	65.3	33.6	100.8





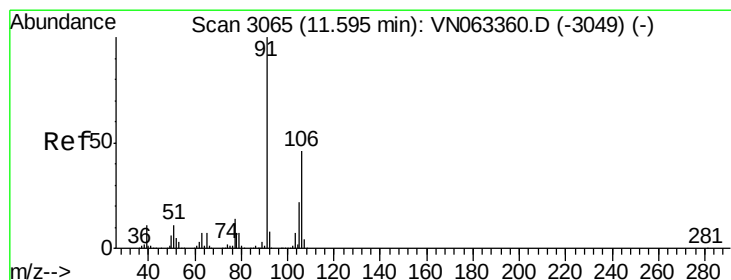
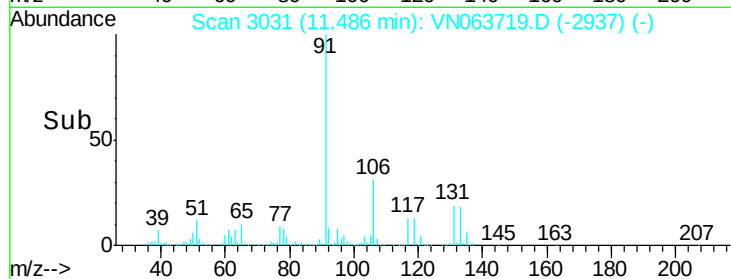
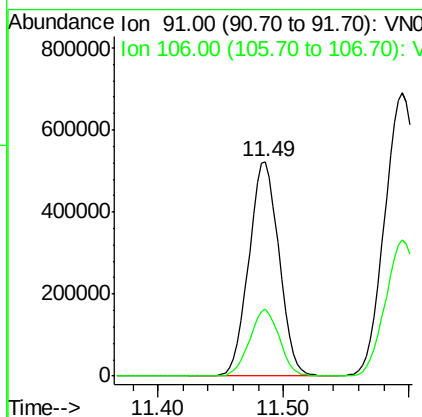
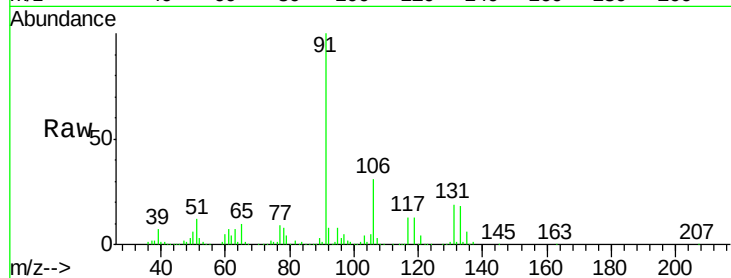
#67
Ethyl Benzene
Concen: 46.011 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.8	35.6

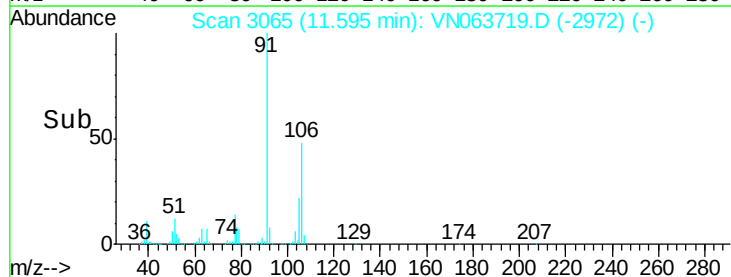
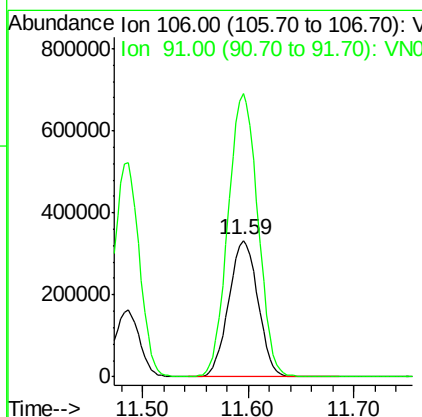
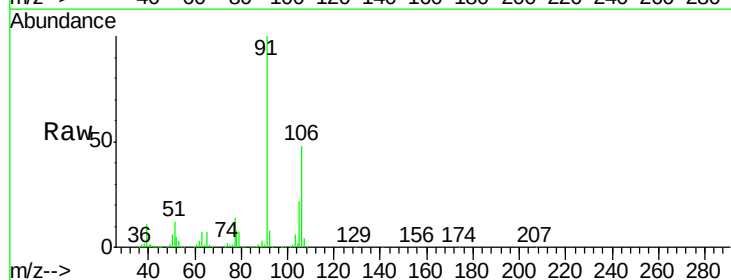
Manual Integrations
APPROVED

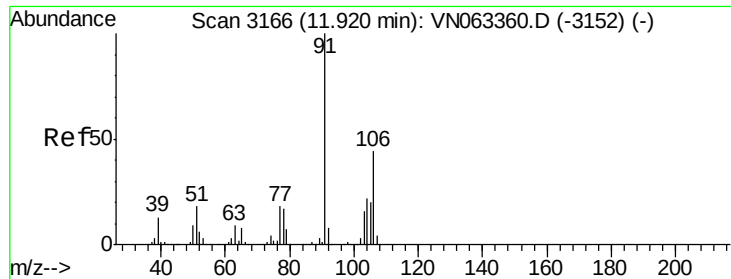
MMDadoda
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#68
m/p-Xylenes
Concen: 92.594 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.0	171.2	256.8





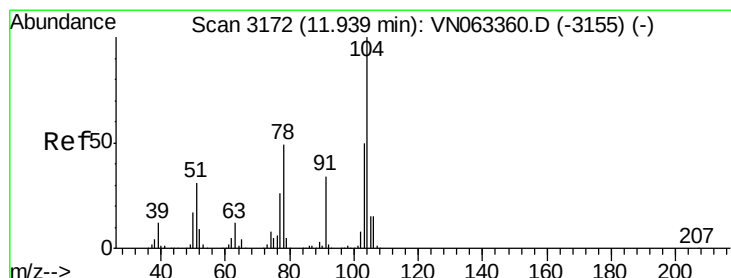
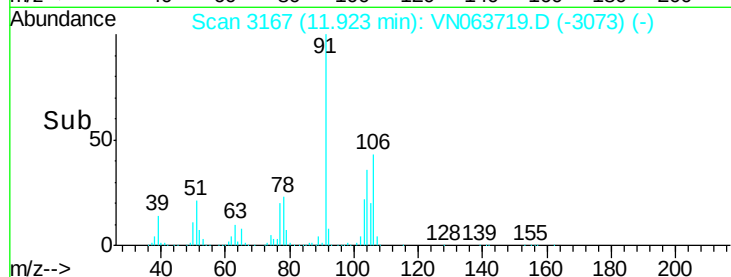
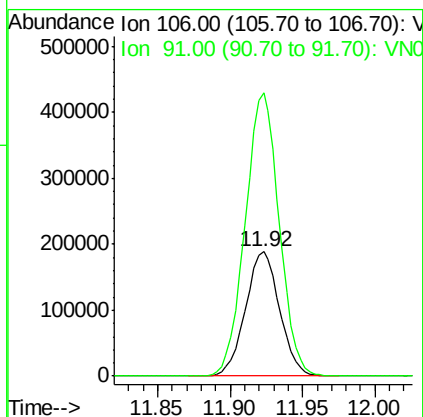
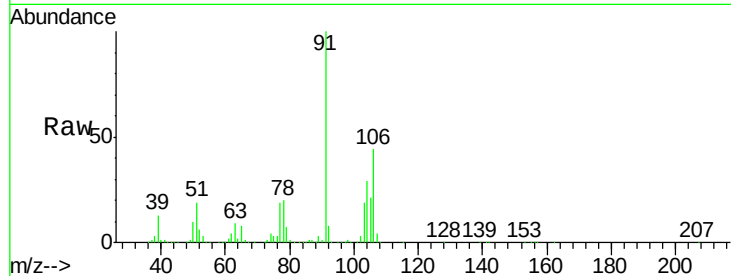
#69
o-Xylene
Concen: 47.114 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	308783		
91	91	227.5		113.6	340.8

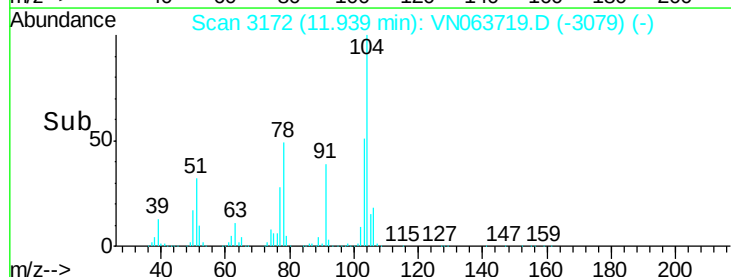
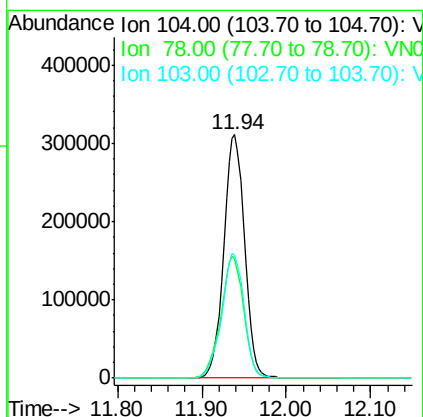
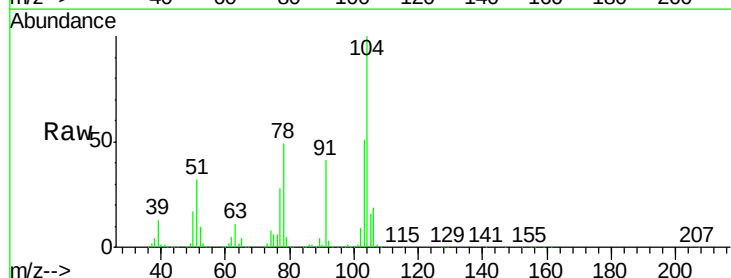
Manual Integrations
APPROVED

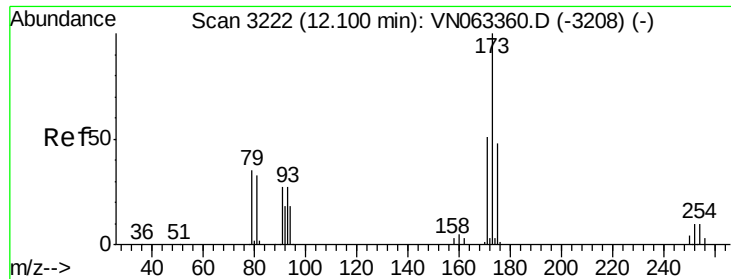
MMDadoda
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#70
Styrene
Concen: 48.445 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	532450		
78	78	55.0		44.4	66.6
103	103	54.9		43.7	65.5





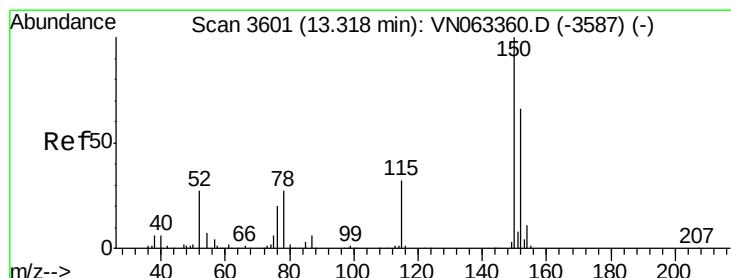
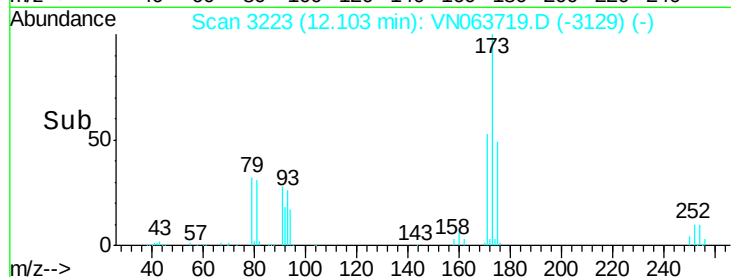
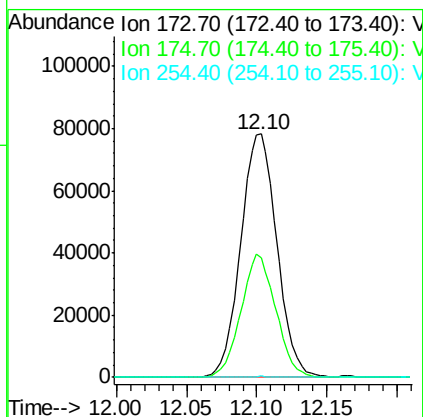
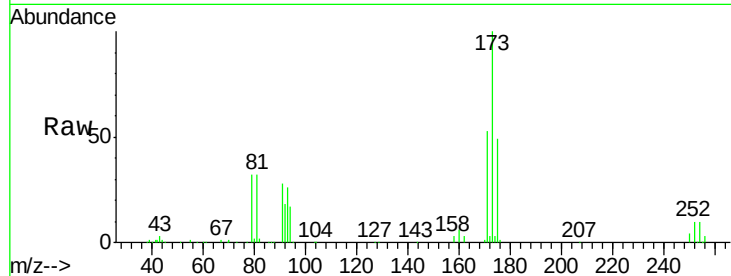
#71
Bromoform
Concen: 50.953 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.0	0.0	0.0

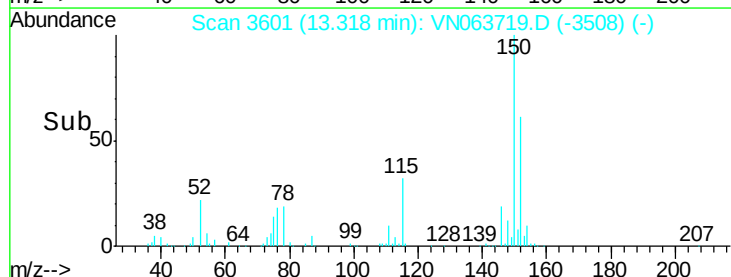
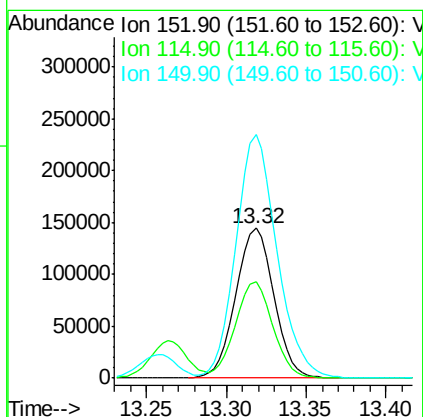
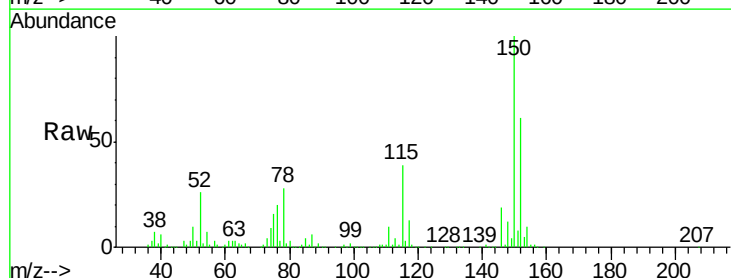
Manual Integrations
APPROVED

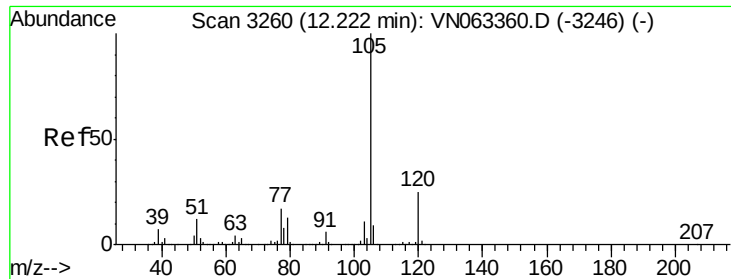
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	32.2	96.6
150	175.5	0.0	343.4





#73

Isopropylbenzene

Concen: 45.299 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 843789

Ion Ratio Lower Upper

105 100

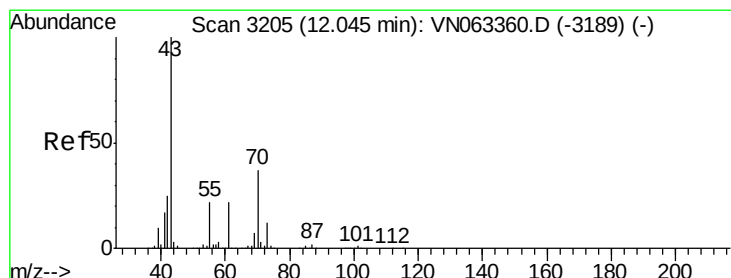
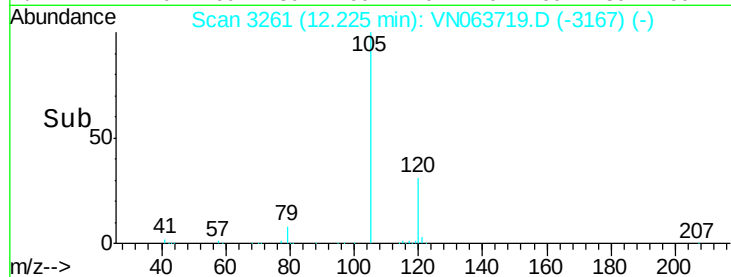
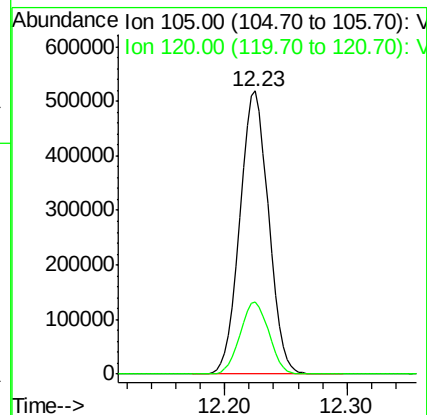
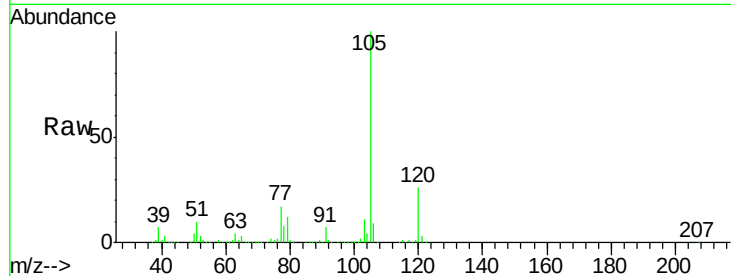
120 25.6 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.282 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Tgt Ion: 43 Resp: 399268

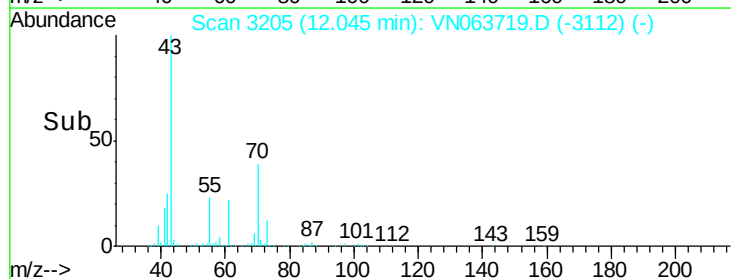
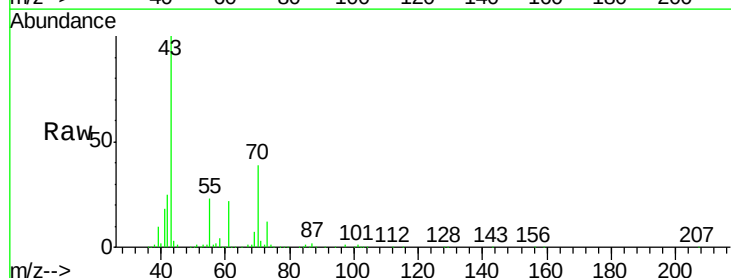
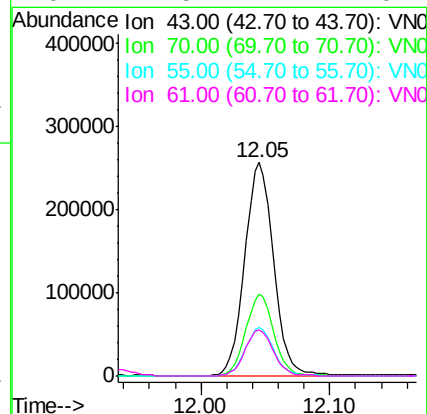
Ion Ratio Lower Upper

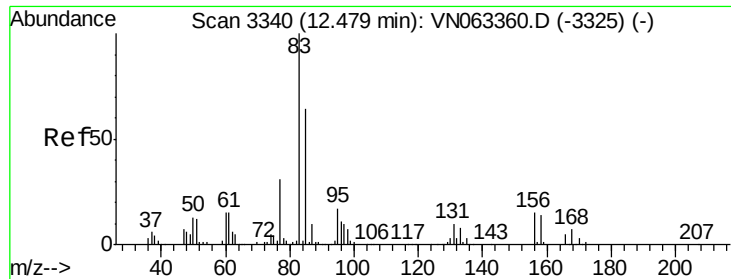
43 100

70 37.4 29.6 44.4

55 22.7 17.7 26.5

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 44.883 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

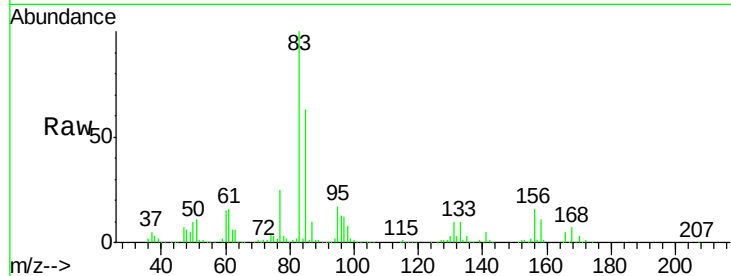
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	258864
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	63.7	32.0	96.0

Manual Integrations
APPROVED

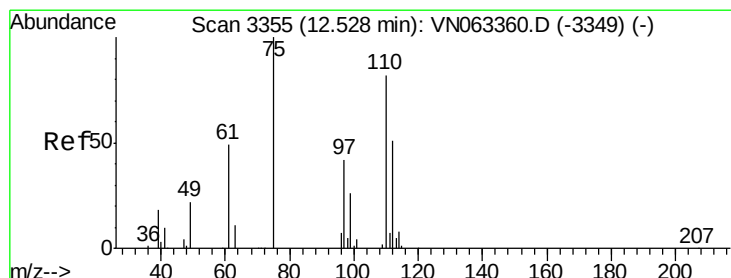
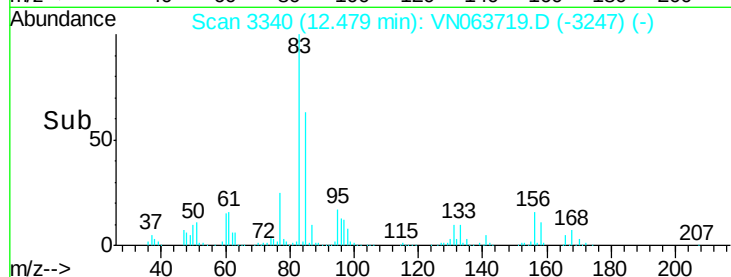
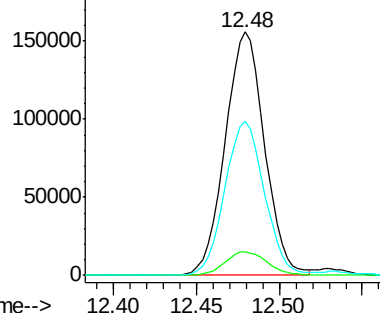
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN063719.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063719.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063719.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 42.262 ug/l m

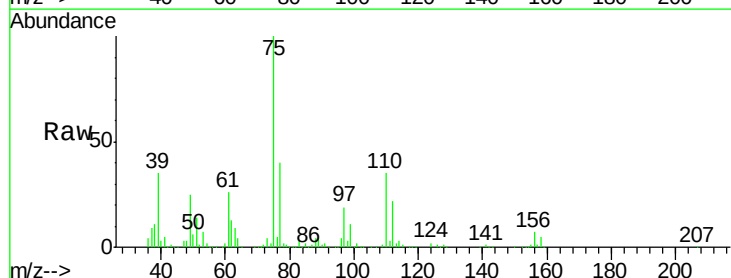
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063719.D

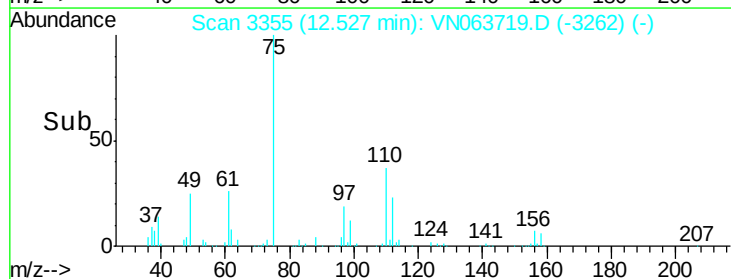
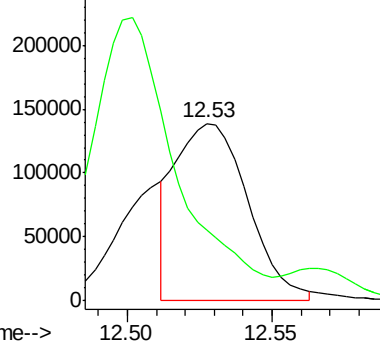
Acq: 28 Sep 2020 20:44

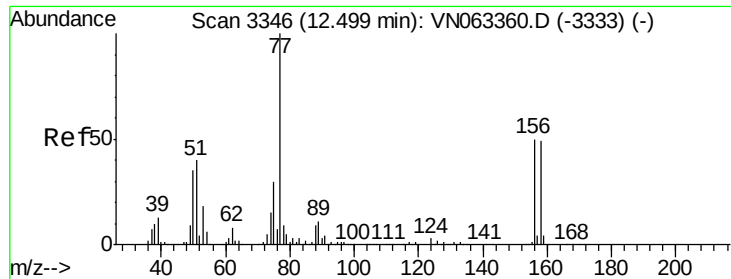
Tgt Ion:	75	Resp:	243150
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063719.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063719.D (-3262) (-)





#77

Bromobenzene

Concen: 50.580 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

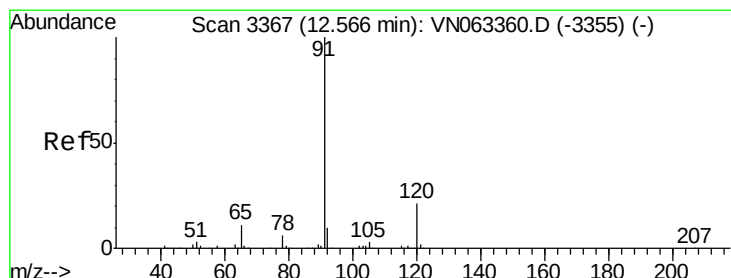
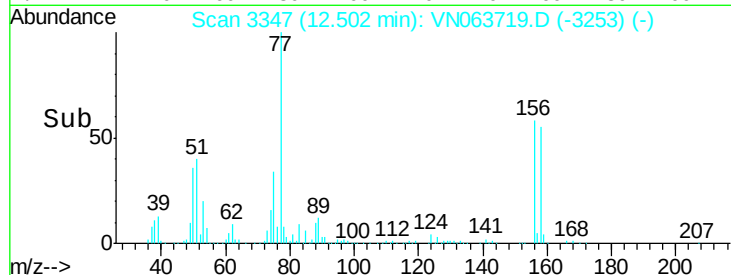
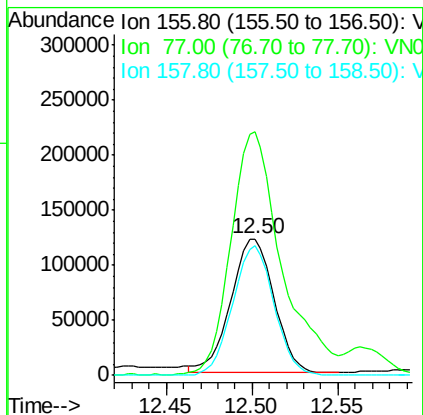
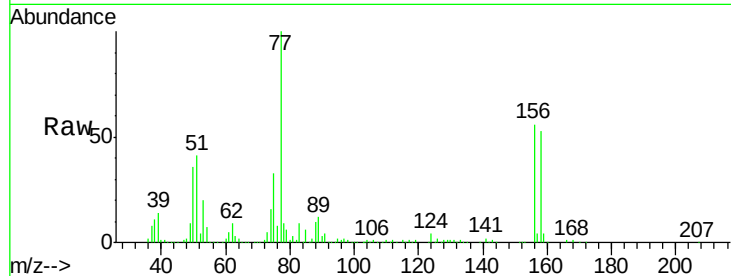
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	211931
Ion Ratio	Lower	Upper	
156	100		
77	212.7	120.2	360.6
158	93.3	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 45.798 ug/l

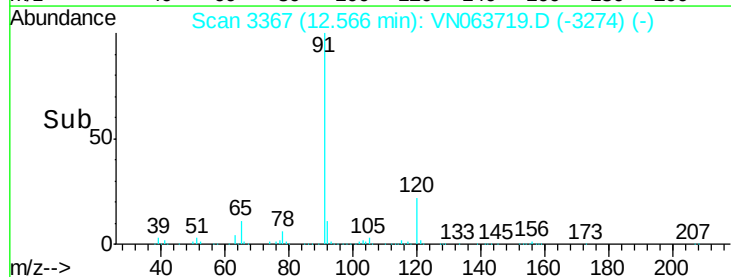
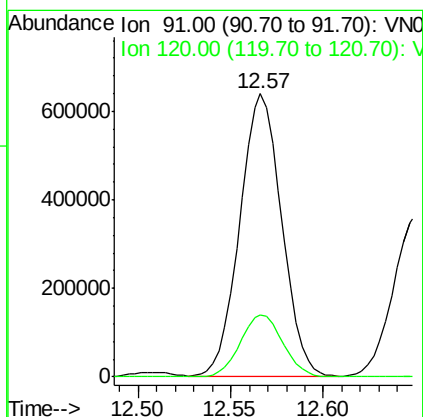
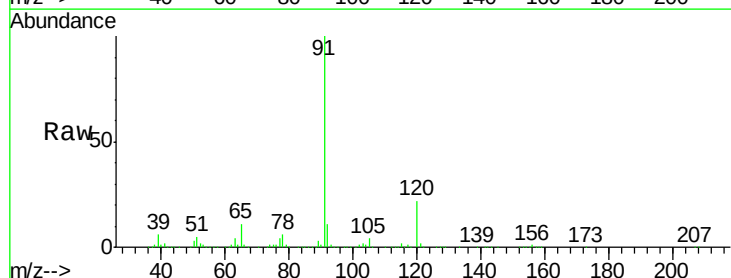
RT: 12.57 min Scan# 3367

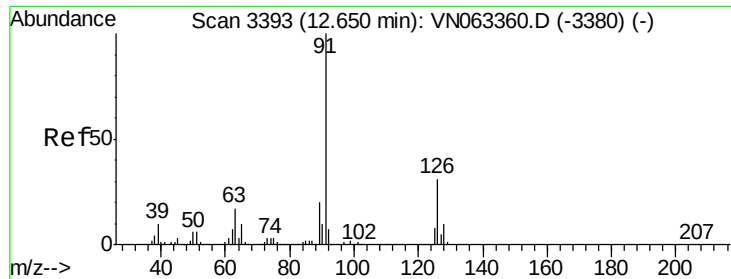
Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Tgt Ion:	91	Resp:	993582
Ion Ratio	Lower	Upper	
91	100		
120	22.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 45.622 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 593324

Ion Ratio Lower Upper

91 100

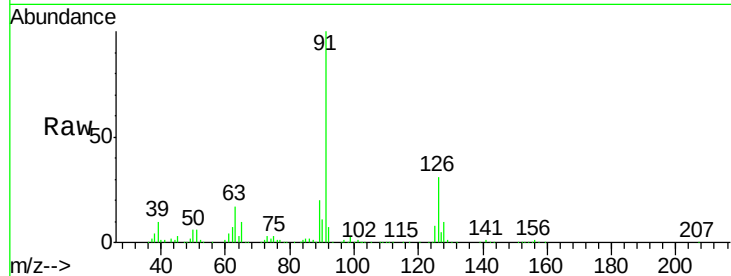
126 32.3 15.8 47.3

Manual Integrations

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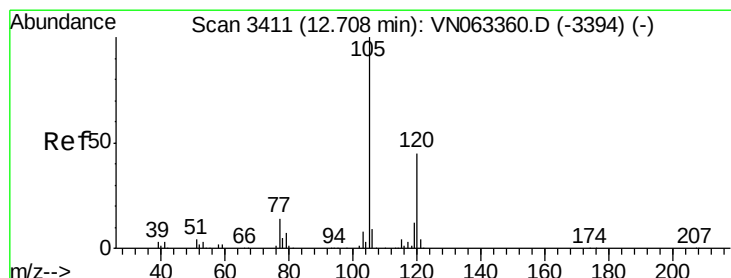
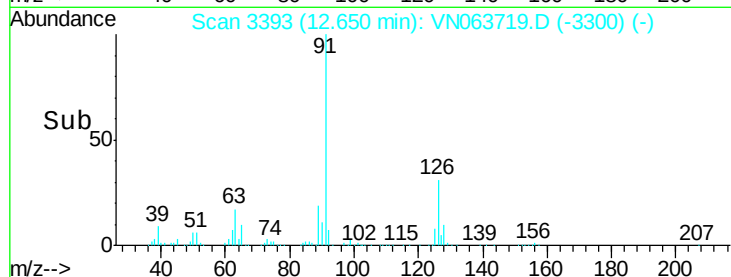
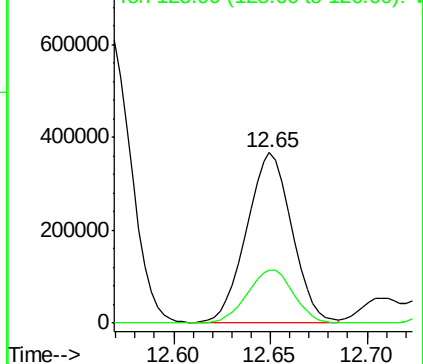
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Abundance Ion 91.00 (90.70 to 91.70): VN063719.D (-3300) (-)

Ion 125.90 (125.60 to 126.60): VN063719.D (-3300) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.495 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063719.D

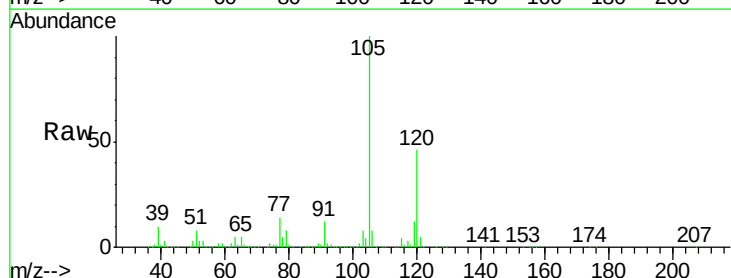
Acq: 28 Sep 2020 20:44

Tgt Ion: 105 Resp: 722185

Ion Ratio Lower Upper

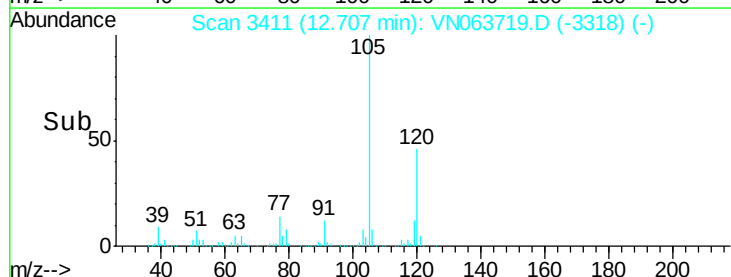
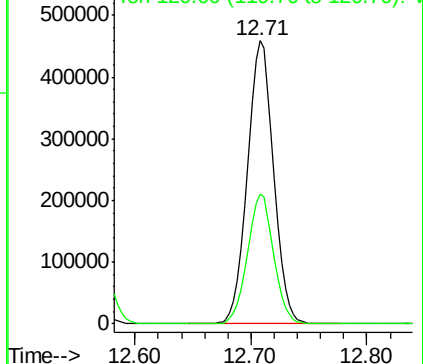
105 100

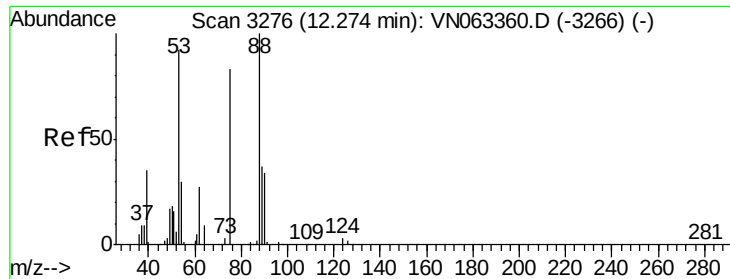
120 45.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063719.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN063719.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 40.390 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 84760

Ion Ratio Lower Upper

75 100

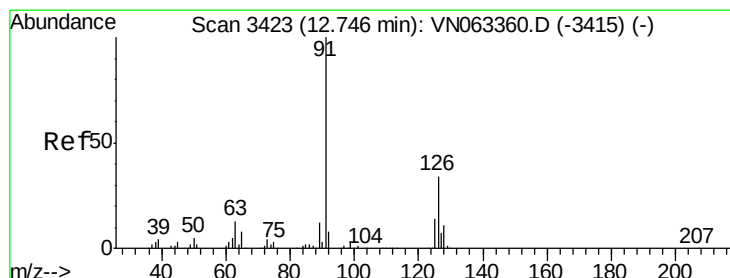
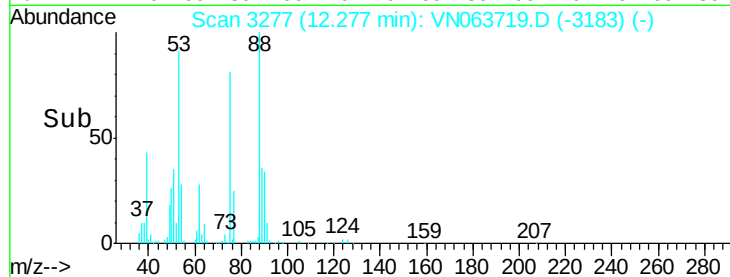
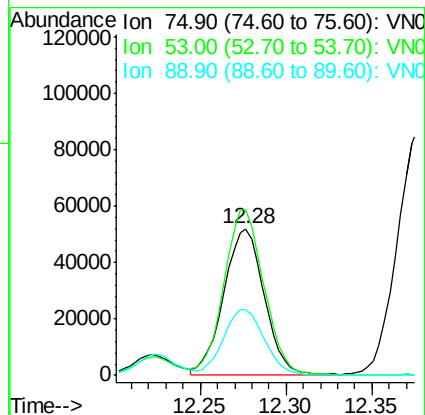
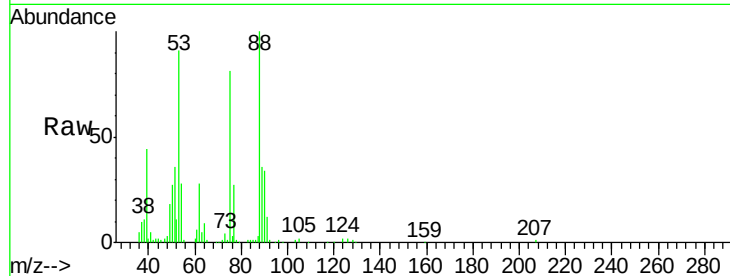
53 113.3 85.7 128.5

89 46.1 38.0 57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.297 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063719.D

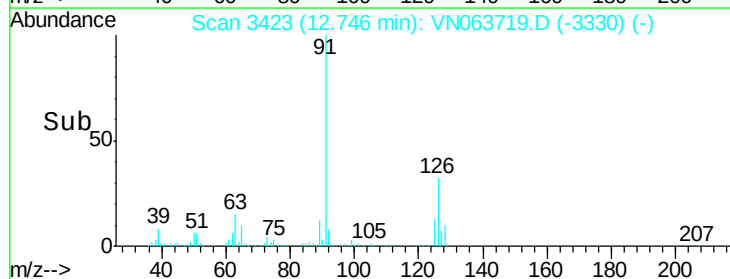
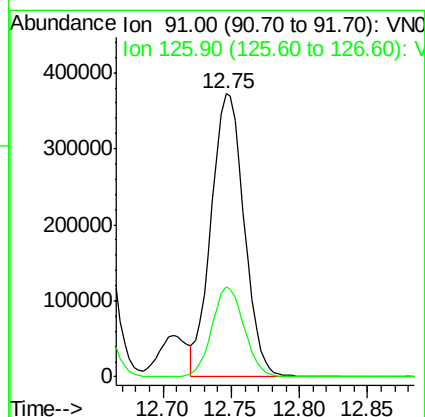
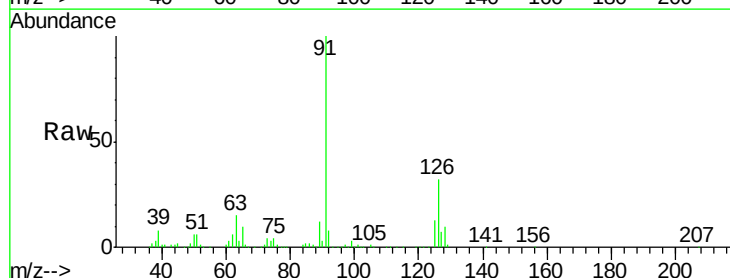
Acq: 28 Sep 2020 20:44

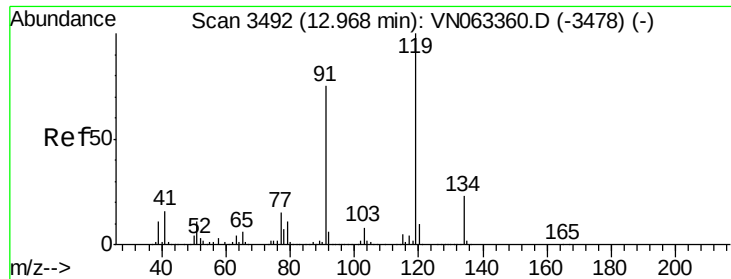
Tgt Ion: 91 Resp: 622427

Ion Ratio Lower Upper

91 100

126 31.4 15.5 46.5





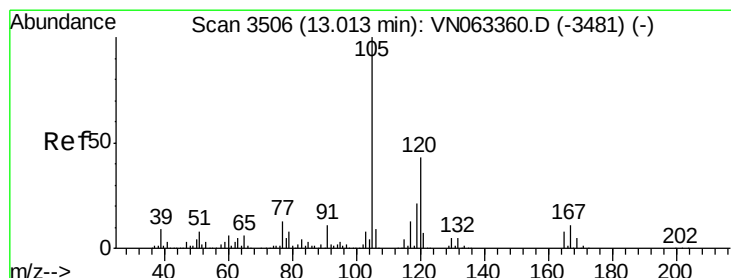
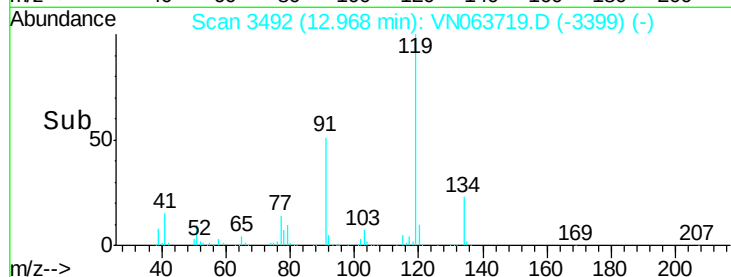
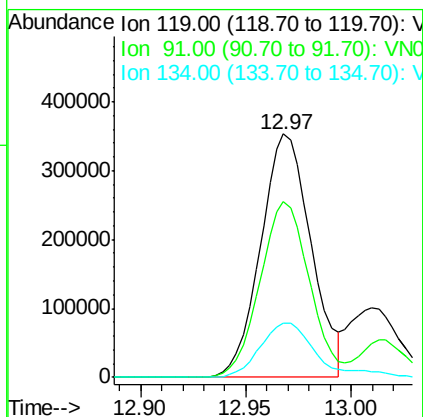
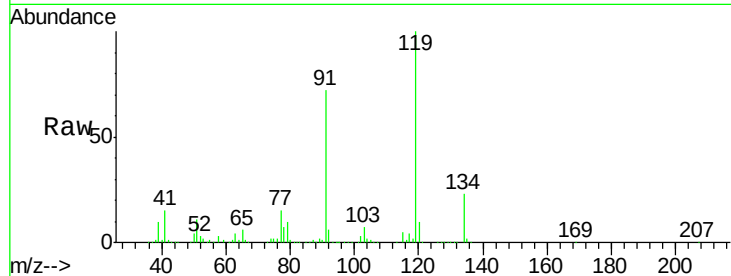
#83
 tert-Butylbenzene
 Concen: 45.868 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.6	36.3	108.9
134	24.9	12.3	36.8

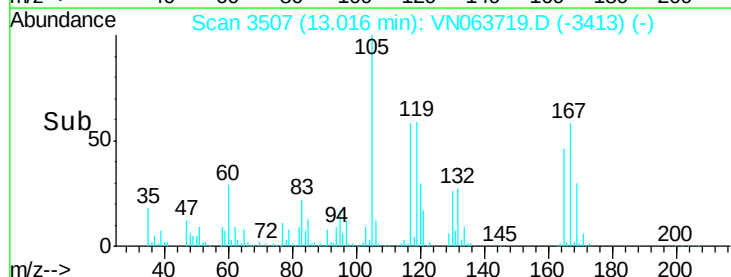
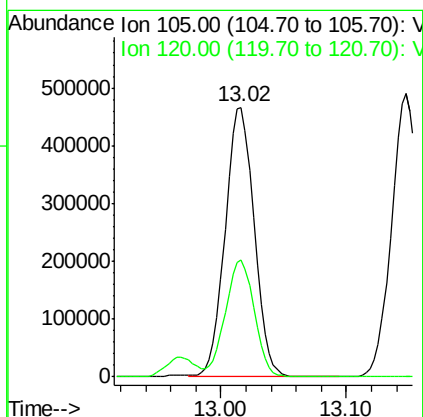
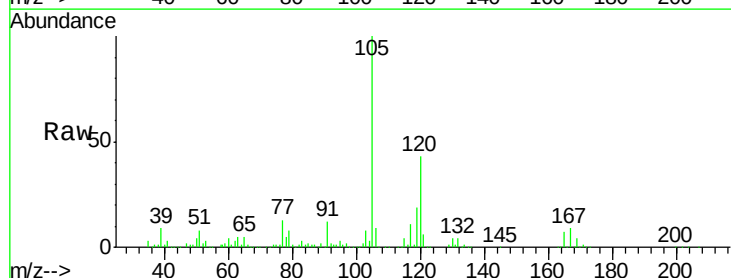
Manual Integrations
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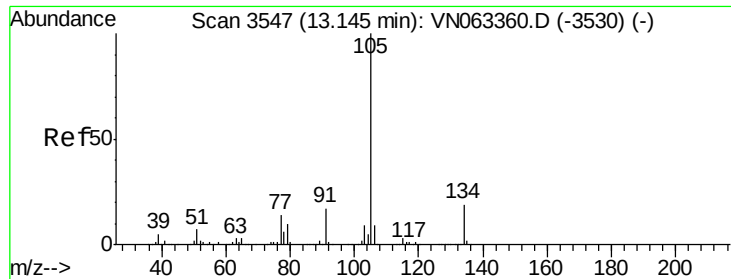
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.590 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.3	63.9





#85

sec-Butylbenzene

Concen: 44.518 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 763923

Ion Ratio Lower Upper

105 100

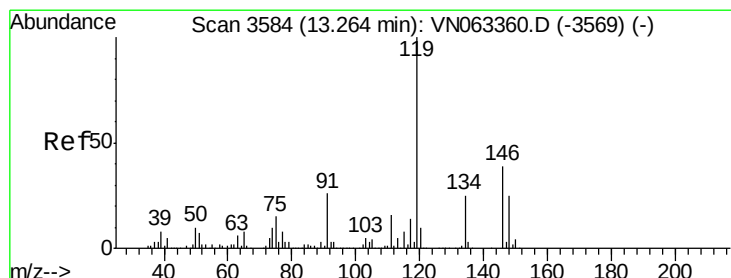
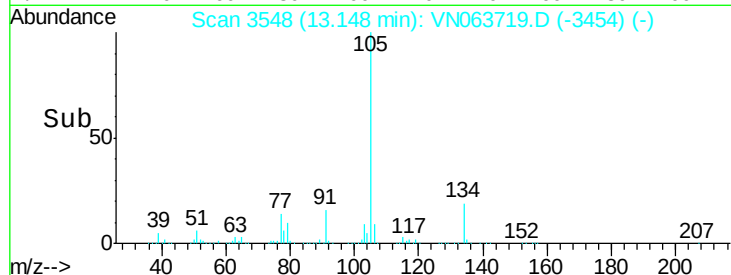
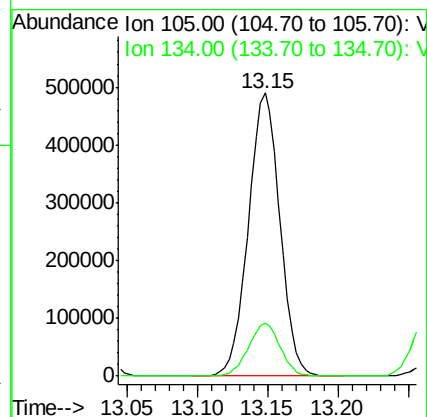
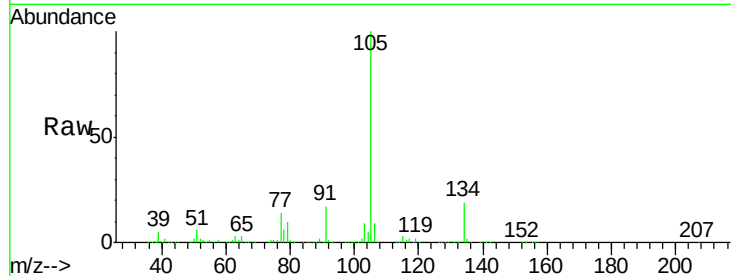
134 18.9 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.752 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063719.D

Acq: 28 Sep 2020 20:44

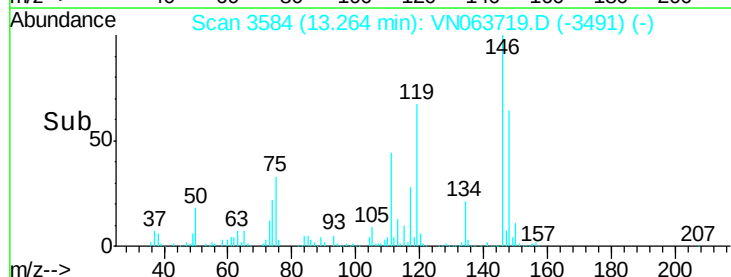
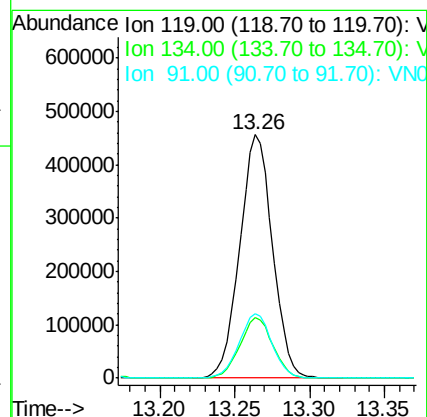
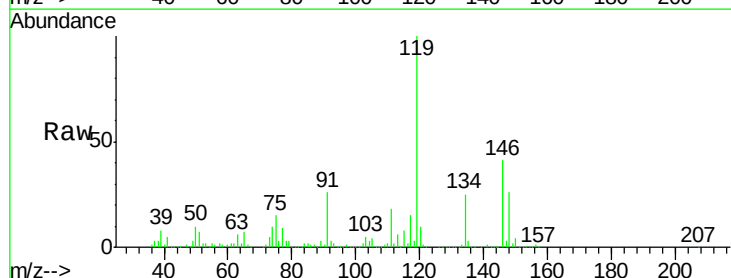
Tgt Ion:119 Resp: 692461

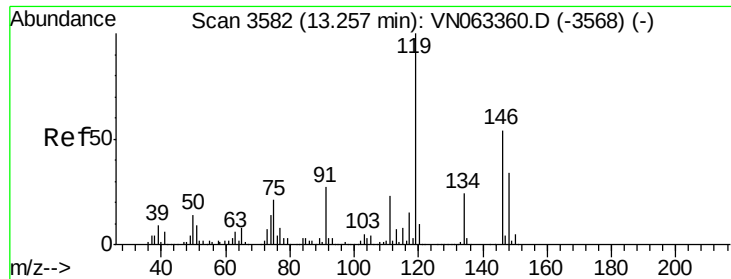
Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 26.5 13.4 40.1





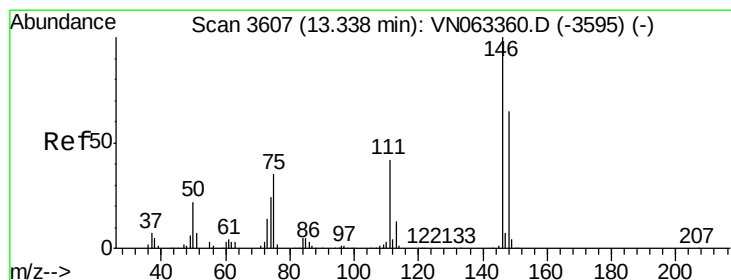
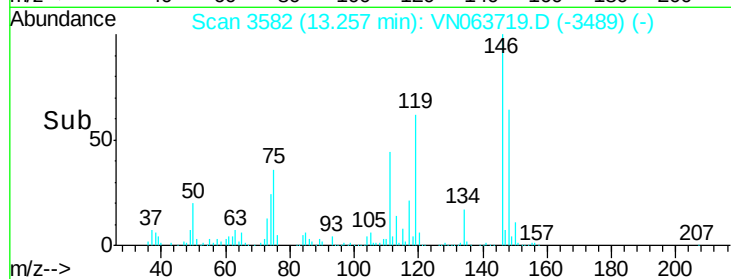
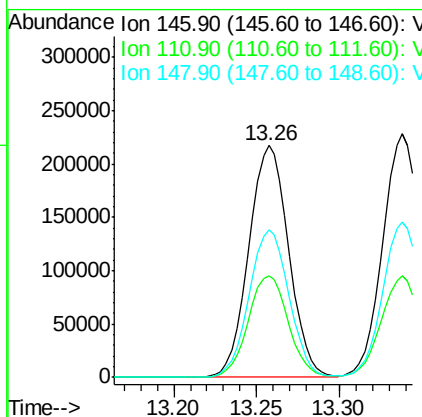
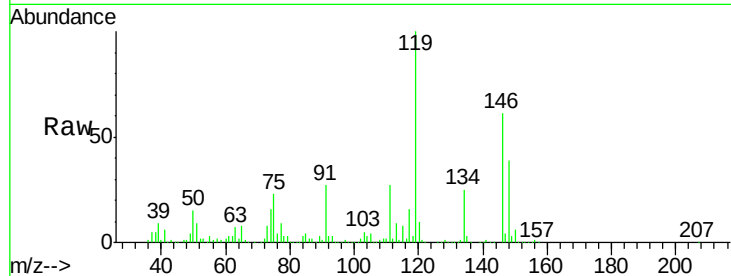
#87
 1,3-Dichlorobenzene
 Concen: 46.988 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.4	64.3
148	63.7	31.9	95.7

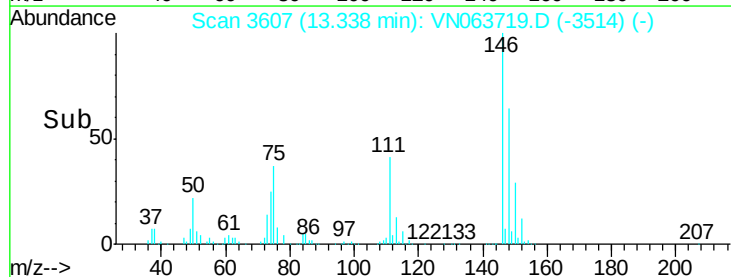
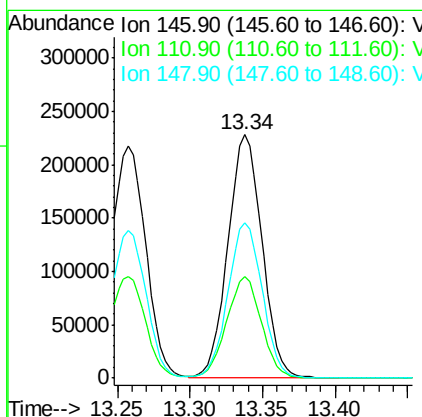
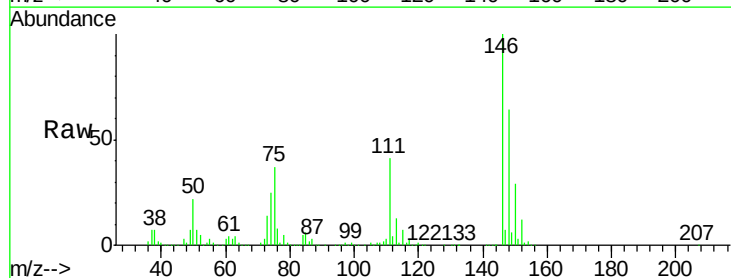
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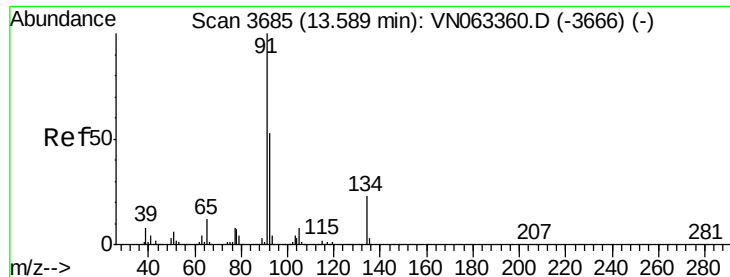
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#88
 1,4-Dichlorobenzene
 Concen: 46.980 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	64.4	31.9	95.9





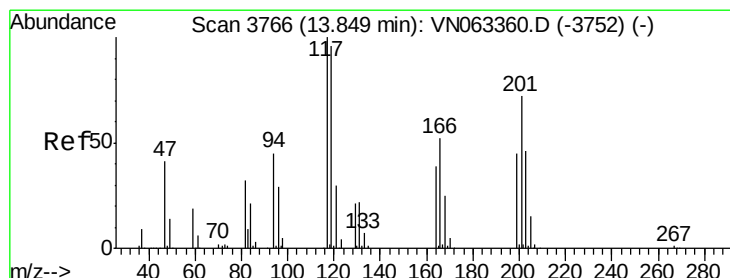
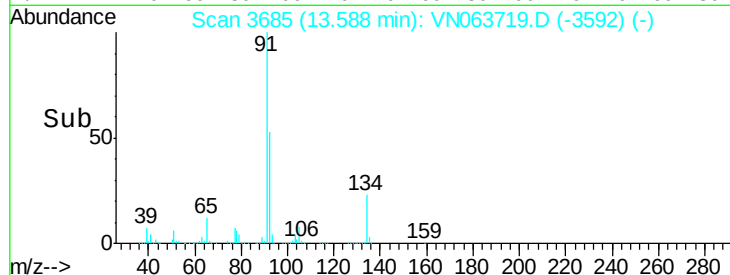
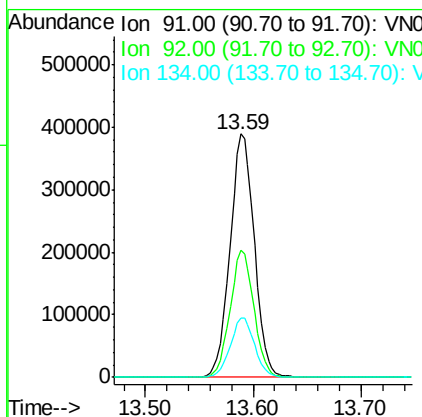
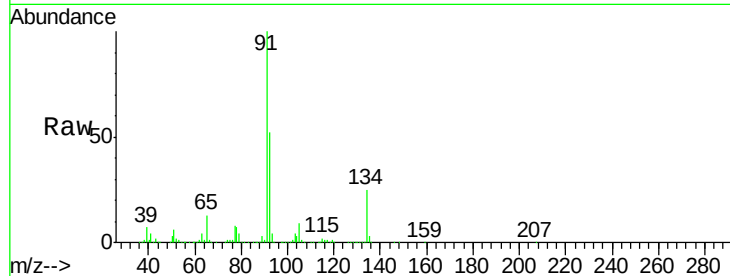
#89
n-Butylbenzene
Concen: 43.729 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		610056		
92	51.4	26.0		78.0	
134	24.5	11.7		35.0	

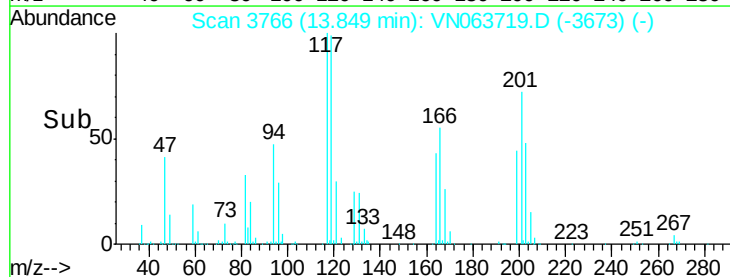
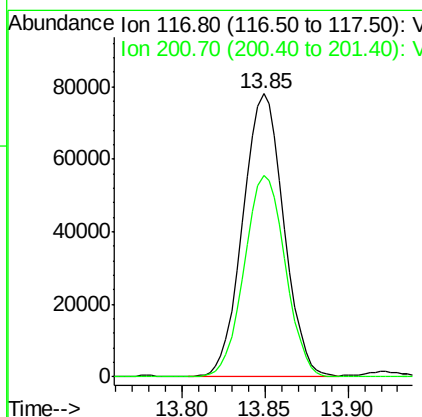
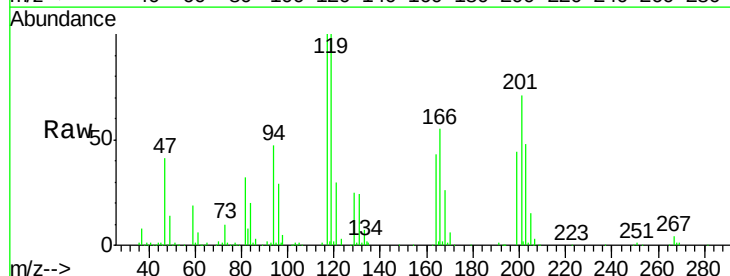
Manual Integrations
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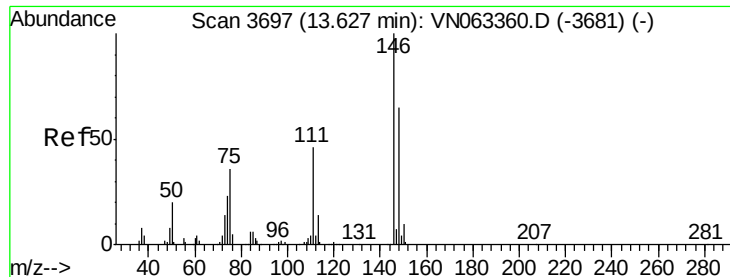
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#90
Hexachloroethane
Concen: 46.621 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		134362		
201	71.3	35.5		106.7	





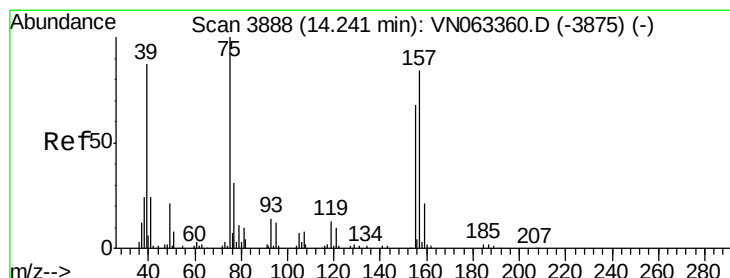
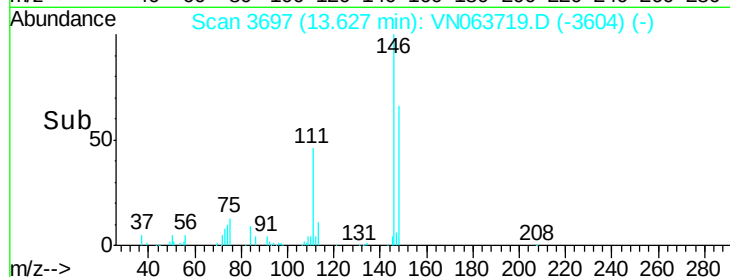
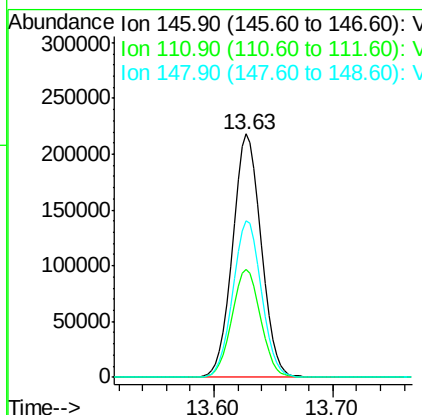
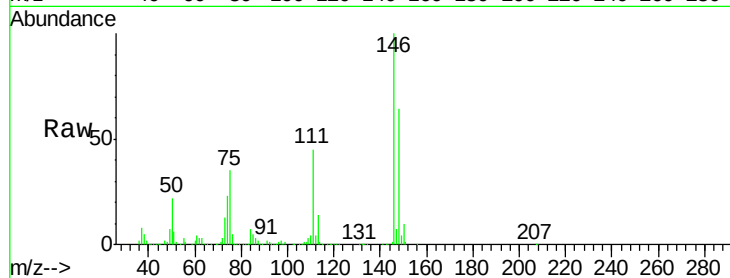
#91
 1,2-Dichlorobenzene
 Concen: 47.732 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	363931
Ion Ratio	Lower	Upper	
146	100		
111	44.8	22.4	67.2
148	64.3	32.0	96.0

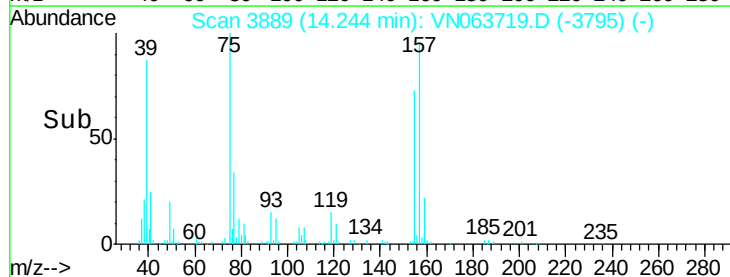
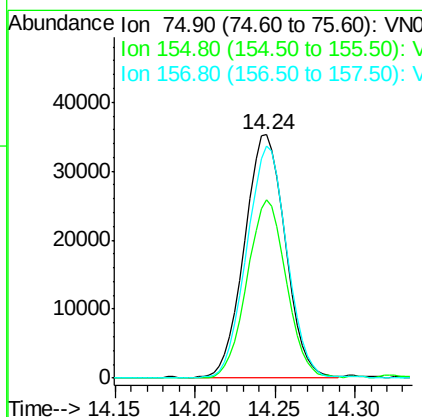
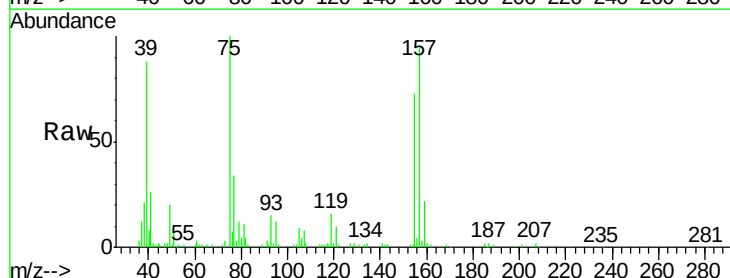
Manual Integrations
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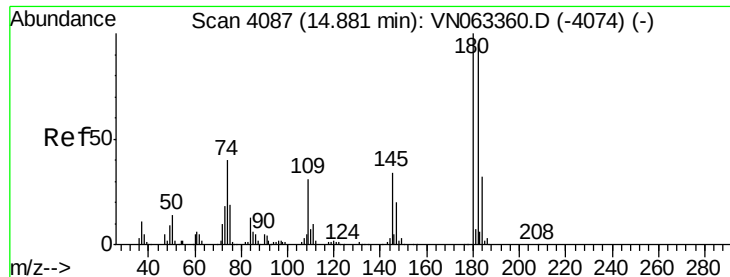
MMDadoda
 9/29/2020 4:38:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.033 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion:	75	Resp:	61848
Ion Ratio	Lower	Upper	
75	100		
155	70.1	34.6	103.9
157	93.4	43.7	131.1





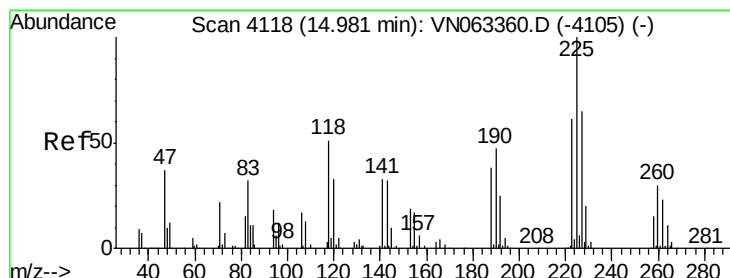
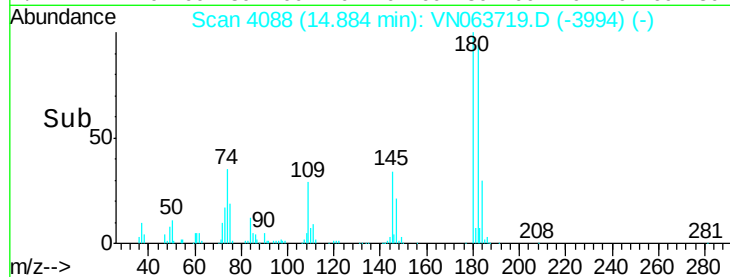
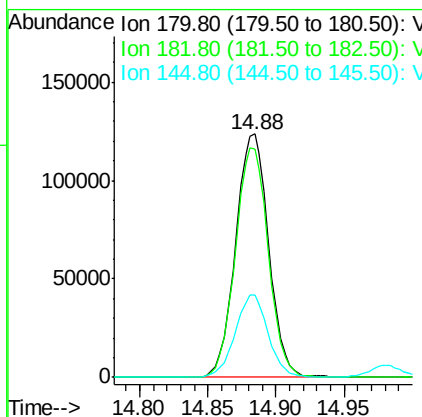
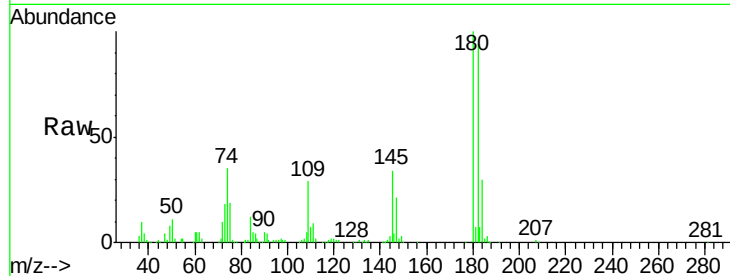
#93
 1,2,4-Trichlorobenzene
 Concen: 46.214 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	142.0
145	33.5	16.6	49.7

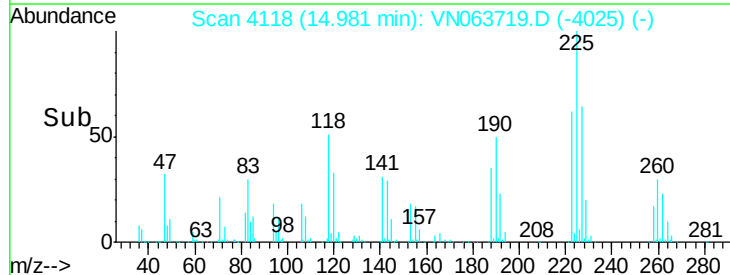
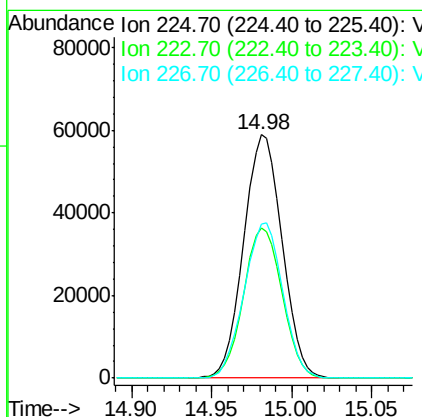
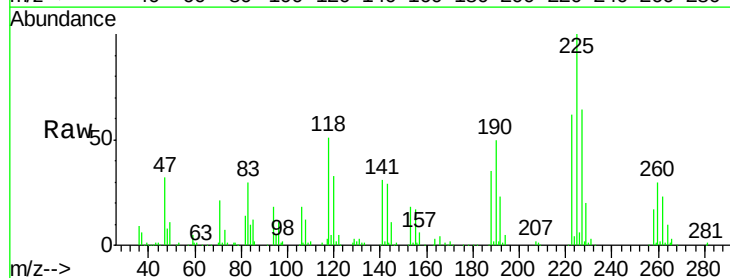
Manual Integrations
 APPROVED

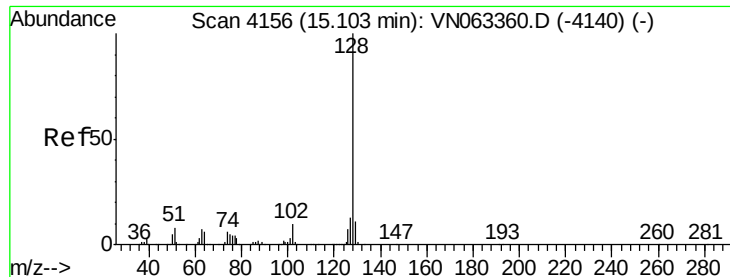
MMDadoda
 9/29/2020 4:38:16 PM



#94
 Hexachlorobutadiene
 Concen: 52.048 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063719.D
 Acq: 28 Sep 2020 20:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.6	91.6
227	64.1	31.2	93.6





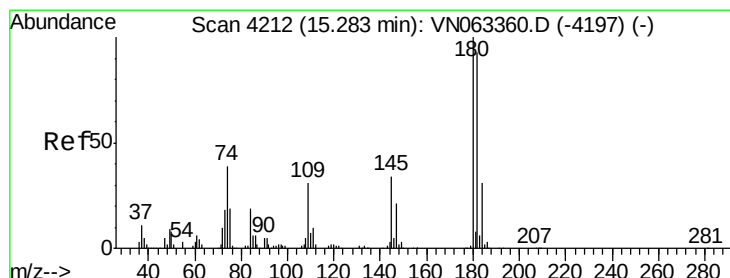
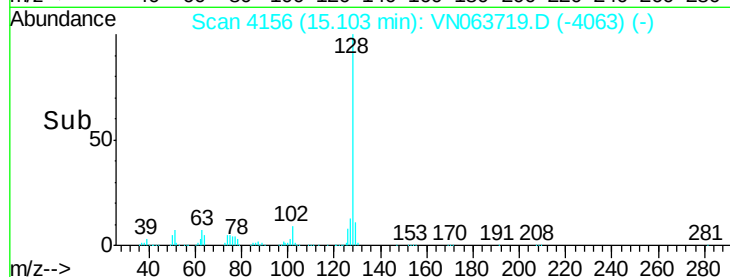
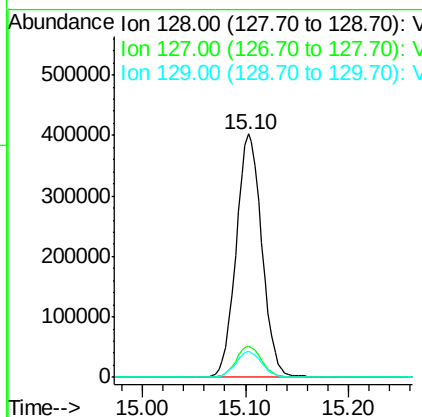
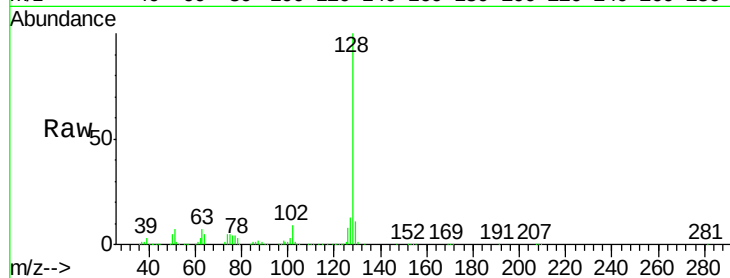
#95
Naphthalene
Concen: 47.022 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		698289		
127	13.0		10.6	15.8	
129	10.9		8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:38:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.918 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063719.D
Acq: 28 Sep 2020 20:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		199424		
182	94.0		46.7	140.1	
145	34.5		16.8	50.3	

