

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062672.D
 Acq On : 31 Jul 2020 9:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 9:31:52 AM

Quant Time: Aug 01 06:12:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	164262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	258184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	243465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	131603	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.54	113	86799	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.06	98	343934	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.38	95	133614	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	93978	47.964	ug/l	100
3) Chloromethane	2.03	50	102178	38.449	ug/l	98
4) Vinyl Chloride	2.16	62	95821	41.593	ug/l	99
5) Bromomethane	2.50	94	51984	50.946	ug/l	95
6) Chloroethane	2.65	64	54254	52.063	ug/l	98
7) Trichlorofluoromethane	2.97	101	151155	55.883	ug/l	100
8) Diethyl Ether	3.37	74	53030	41.925	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.71	101	81115	46.773	ug/l	98
10) Methyl Iodide	3.90	142	110371	49.781	ug/l	93
11) Tert butyl alcohol	4.73	59	85143	209.748	ug/l	100
12) 1,1-Dichloroethene	3.69	96	75521	42.938	ug/l	99
13) Acrolein	3.56	56	76348	182.702	ug/l	100
14) Allyl chloride	4.27	41	167064	43.912	ug/l	93
15) Acrylonitrile	4.92	53	250650	230.531	ug/l	99
16) Acetone	3.77	43	291060	303.113	ug/l	98
17) Carbon Disulfide	4.00	76	244611	42.328	ug/l	100
18) Methyl Acetate	4.27	43	119141	49.011	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	325859	50.337	ug/l	98
20) Methylene Chloride	4.49	84	103322	44.863	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	90549	46.386	ug/l	97
22) Diisopropyl ether	5.90	45	342658	45.311	ug/l	97
23) Vinyl Acetate	5.84	43	1422565	229.577	ug/l	98
24) 1,1-Dichloroethane	5.79	63	191764	47.090	ug/l	99
25) 2-Butanone	6.78	43	371787	254.229	ug/l	97
26) 2,2-Dichloropropane	6.77	77	178080	53.269	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	102181	45.872	ug/l	97
28) Bromochloromethane	7.15	49	93737	46.772	ug/l	93
29) Tetrahydrofuran	7.16	42	218257	220.562	ug/l	96
30) Chloroform	7.32	83	194128	50.137	ug/l	100
31) Cyclohexane	7.61	56	163214	43.409	ug/l	94
32) 1,1,1-Trichloroethane	7.52	97	172380	53.324	ug/l	98
36) 1,1-Dichloropropene	7.75	75	143034	51.975	ug/l	100
37) Ethyl Acetate	6.88	43	140142	47.242	ug/l	99
38) Carbon Tetrachloride	7.73	117	155623	58.831	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	156542	52.843	ug/l	98
40) Benzene	8.00	78	412495	49.510	ug/l	99
41) Methacrylonitrile	7.12	41	61828	48.631	ug/l	94
42) 1,2-Dichloroethane	8.08	62	165358	54.288	ug/l	98
43) Isopropyl Acetate	8.12	43	232202	48.556	ug/l	99
44) Trichloroethene	8.80	130	96905	51.577	ug/l	99
45) 1,2-Dichloropropane	9.08	63	114898	49.118	ug/l	99
46) Dibromomethane	9.17	93	71323	52.753	ug/l	98
47) Bromodichloromethane	9.37	83	157671	53.829	ug/l	100
48) Methyl methacrylate	9.17	41	115196	50.674	ug/l	97
49) 1,4-Dioxane	9.17	88	34170	978.663	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	718542	251.119	ug/l	99
52) Toluene	10.12	92	255116	52.734	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	179548	55.064	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	184308	52.677	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	99996	53.287	ug/l	96
56) Ethyl methacrylate	10.40	69	161559	48.020	ug/l	97
57) 1,3-Dichloropropane	10.68	76	179396	52.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	253062	249.260	ug/l	98
59) 2-Hexanone	10.72	43	557256	251.801	ug/l	99
60) Dibromochloromethane	10.87	129	119093	56.888	ug/l	99
61) 1,2-Dibromoethane	10.98	107	101171	51.775	ug/l	98
64) Tetrachloroethene	10.60	164	84714	53.553	ug/l	97
65) Chlorobenzene	11.40	112	264481	51.818	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	103420	53.861	ug/l	97
67) Ethyl Benzene	11.48	91	501376	53.575	ug/l	99
68) m/p-Xylenes	11.59	106	370724	110.214	ug/l	99
69) o-Xylene	11.92	106	177596	55.601	ug/l	99
70) Styrene	11.94	104	308923	57.254	ug/l	98
71) Bromoform	12.10	173	81940	56.836	ug/l #	100
73) Isopropylbenzene	12.22	105	488419	50.405	ug/l	100
74) N-amyl acetate	12.04	43	206693	47.764	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	149641	44.441	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	145567m	46.668	ug/l	
77) Bromobenzene	12.50	156	113588	48.779	ug/l	97
78) n-propylbenzene	12.56	91	584220	51.472	ug/l	100
79) 2-Chlorotoluene	12.65	91	349484	49.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	439566	54.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	54858	48.958	ug/l	94
82) 4-Chlorotoluene	12.75	91	370345	50.865	ug/l	100
83) tert-Butylbenzene	12.97	119	350283	52.483	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	433828	55.020	ug/l	97
85) sec-Butylbenzene	13.15	105	488733	54.697	ug/l	100
86) p-Isopropyltoluene	13.26	119	449390	58.475	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	211856	51.844	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	207789	51.654	ug/l	99
89) n-Butylbenzene	13.59	91	379473	57.467	ug/l	99
90) Hexachloroethane	13.85	117	83681	51.150	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	198248	50.736	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31947	52.256	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	99195	48.389	ug/l	99
94) Hexachlorobutadiene	14.98	225	68010	64.464	ug/l	97
95) Naphthalene	15.10	128	243486	45.079	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	99179	53.860	ug/l	99

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

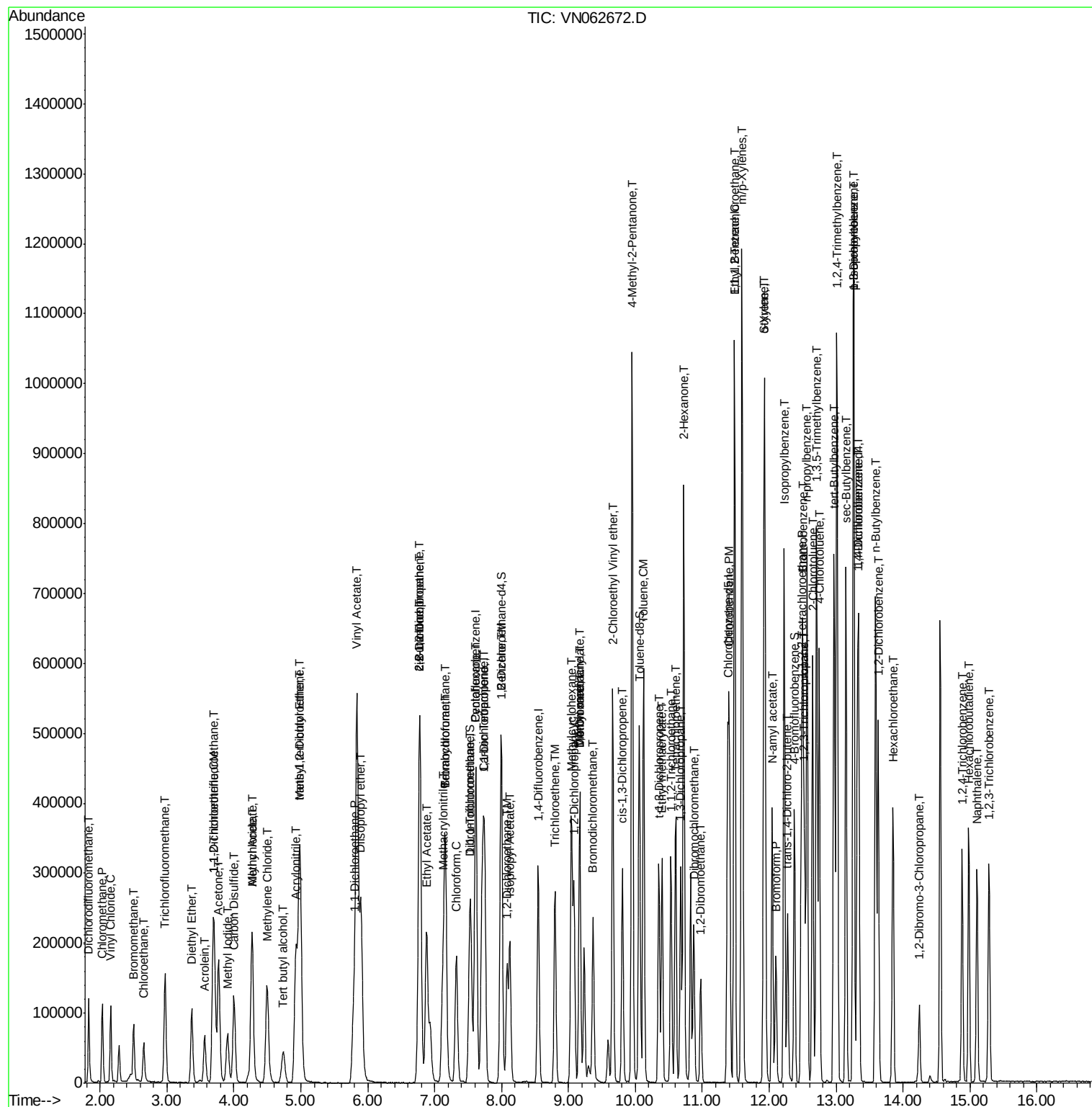
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Data File : VN062672.D
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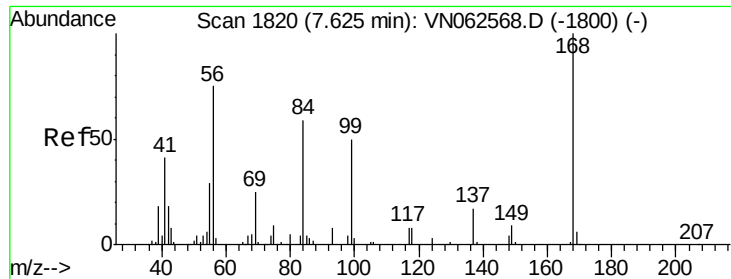
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 164262

Ion Ratio Lower Upper

168 100

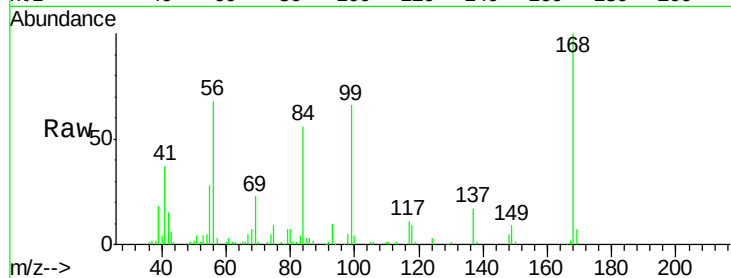
99 65.6 48.4 72.6

Manual Integrations

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8/3/2020 9:31:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

40000

20000

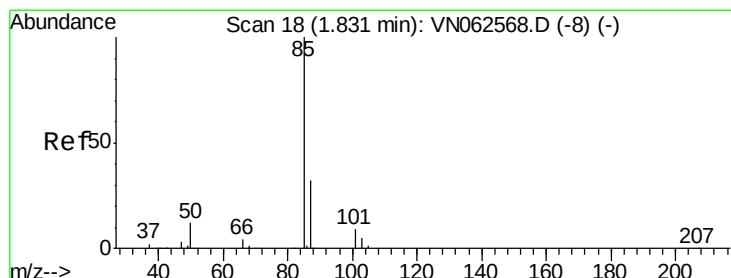
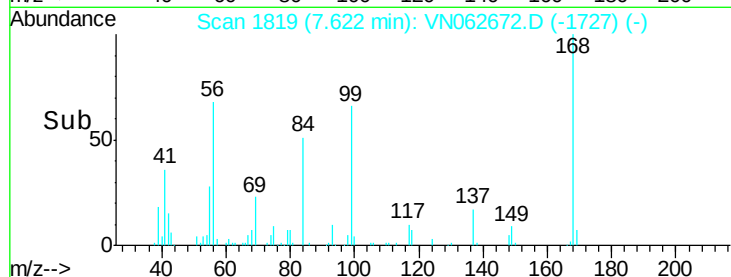
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.964 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062672.D

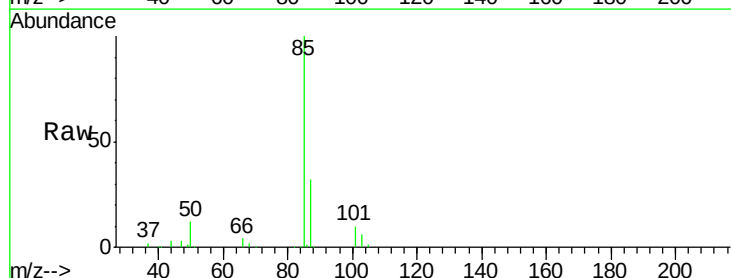
Acq: 31 Jul 2020 9:14

Tgt Ion: 85 Resp: 93978

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

0

1.75

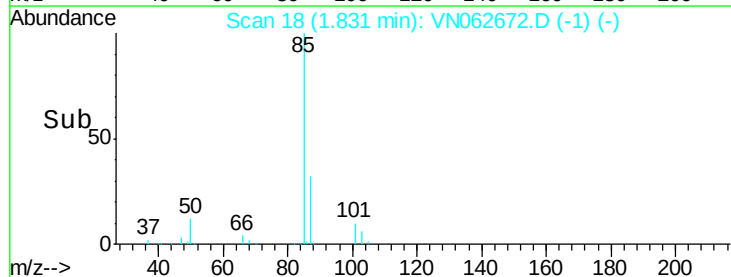
1.80

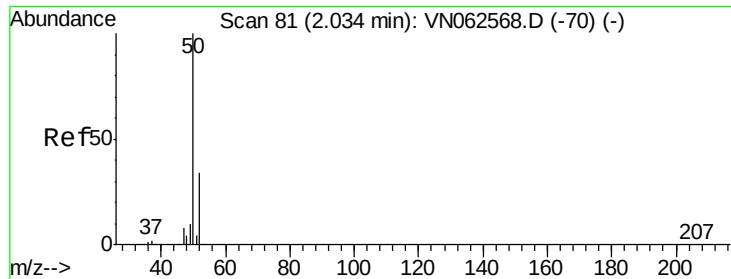
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 38.449 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Tot Ion: 50 Resp: 102178

Ion Ratio Lower Upper

50 100

52 32.3 27.0 40.4

Instrument :

MSVOA_N

ClientSampleId :

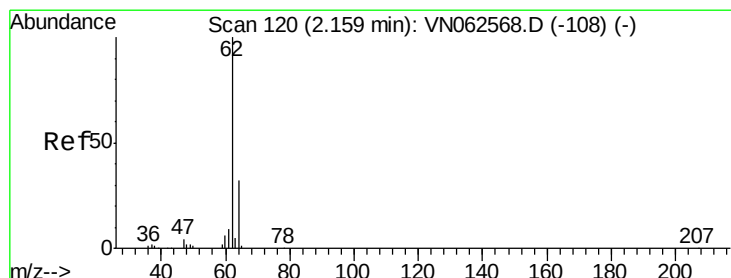
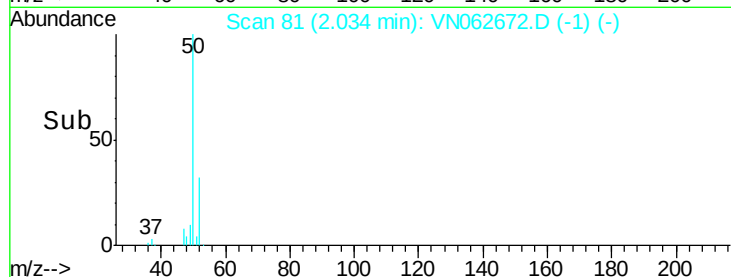
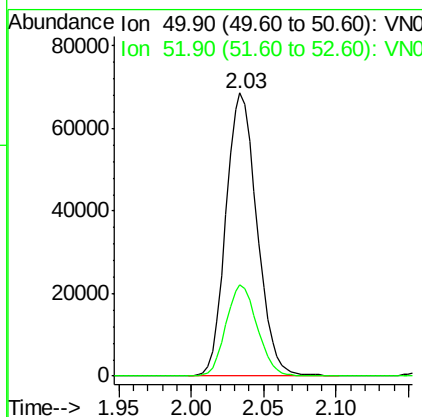
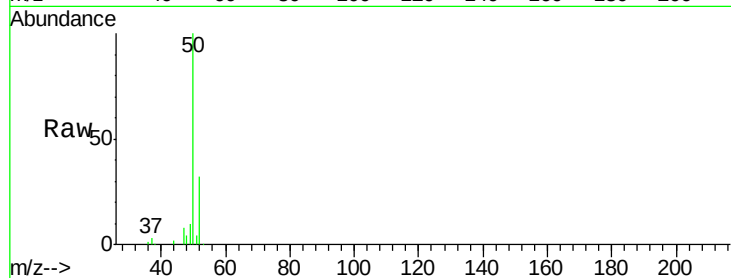
VSTDCCC050

Manual Integrations

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8/3/2020 9:31:52 AM



#4

Vinyl Chloride

Concen: 41.593 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062672.D

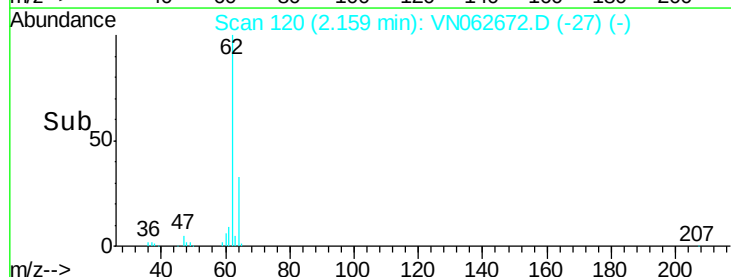
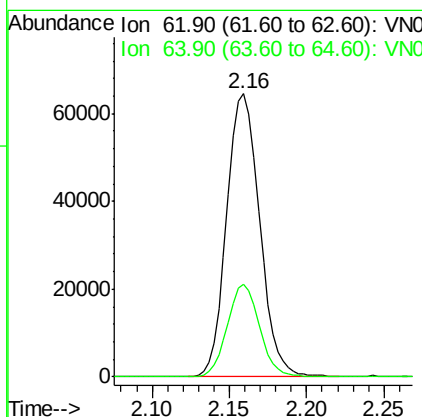
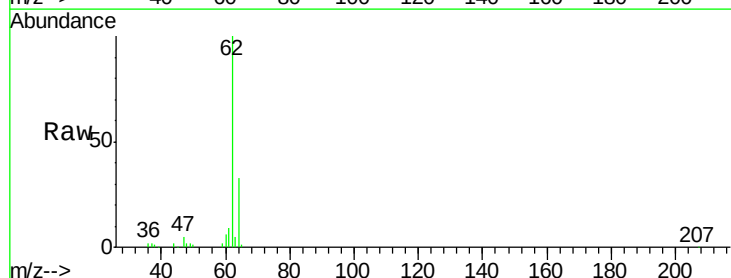
Acq: 31 Jul 2020 9:14

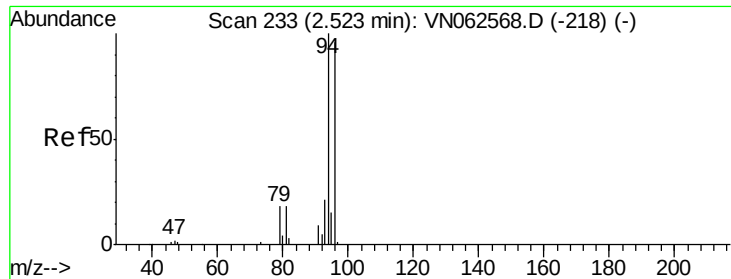
Tgt Ion: 62 Resp: 95821

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 50.946 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.02 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 51984

Ion Ratio Lower Upper

94 100

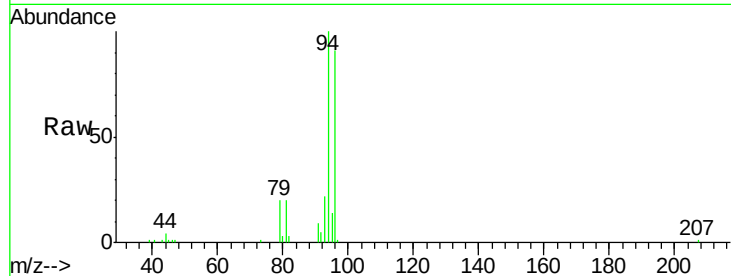
96 90.9 76.6 114.8

Manual Integrations

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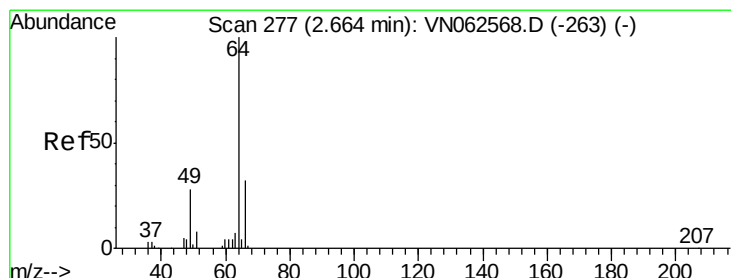
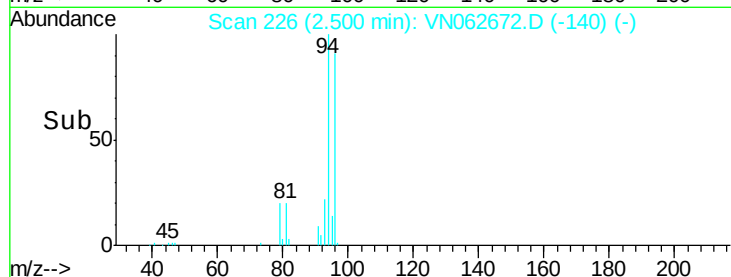
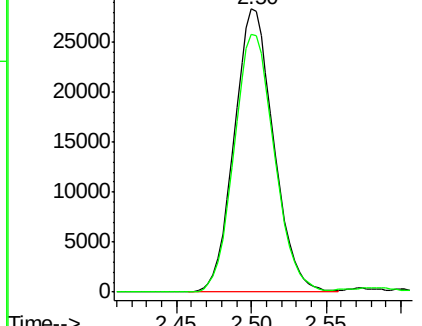
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Abundance Ion 93.90 (93.60 to 94.60): VN062568.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN062568.D (-218) (-)



#6

Chloroethane

Concen: 52.063 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.01 min

Lab File: VN062672.D

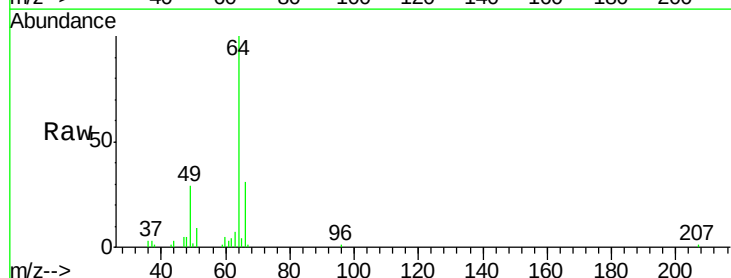
Acq: 31 Jul 2020 9:14

Tgt Ion: 64 Resp: 54254

Ion Ratio Lower Upper

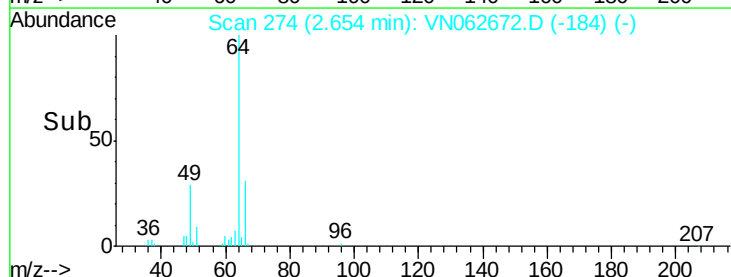
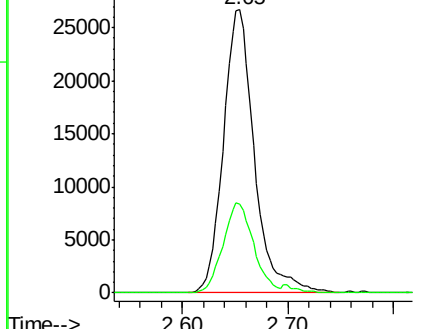
64 100

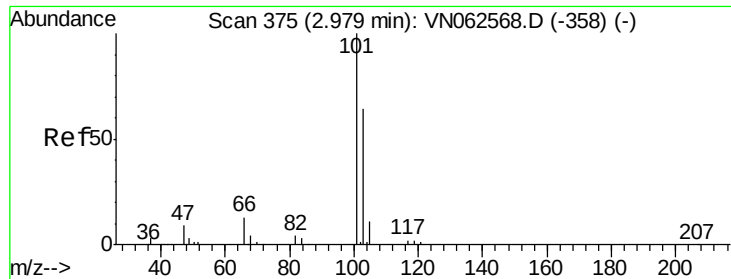
66 31.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN062568.D (-263) (-)

Ion 65.90 (65.60 to 66.60): VN062568.D (-263) (-)





#7

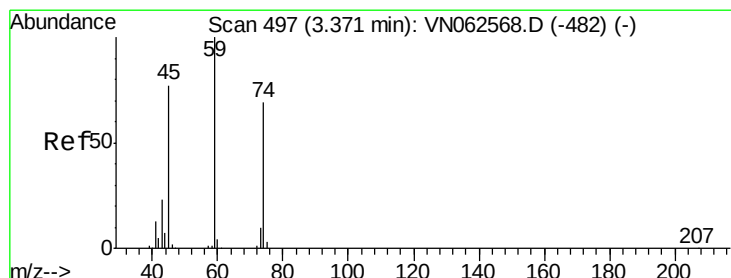
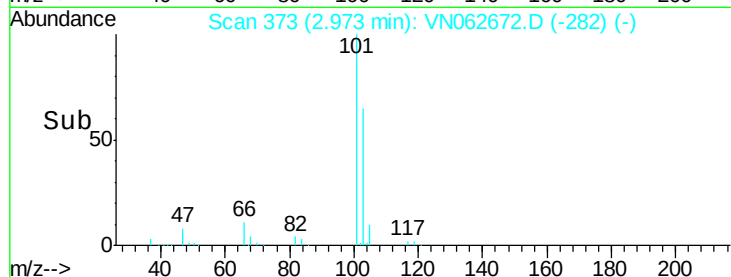
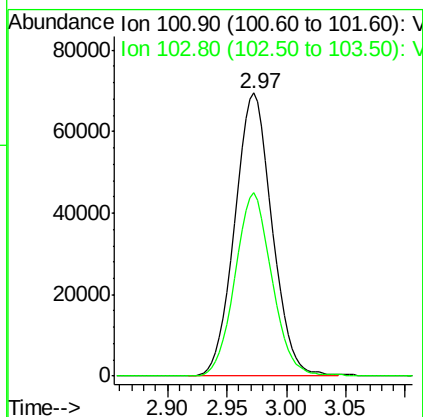
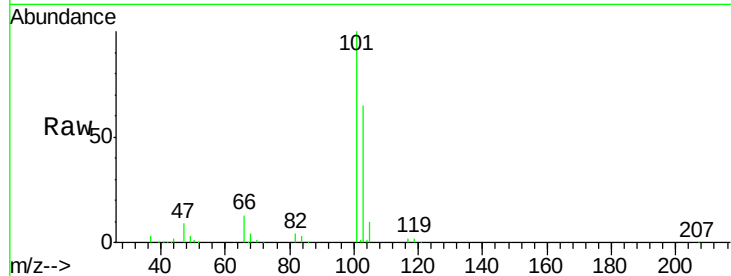
Trichlorofluoromethane
Concen: 55.883 ug/l
RT: 2.97 min Scan# 373
Delta R.T. -0.01 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	151155		
103	64.6	51.5	77.3	

Manual Integrations
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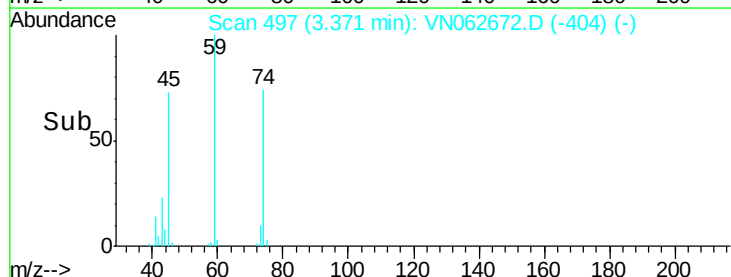
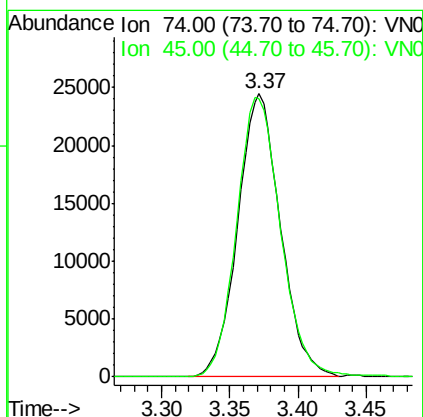
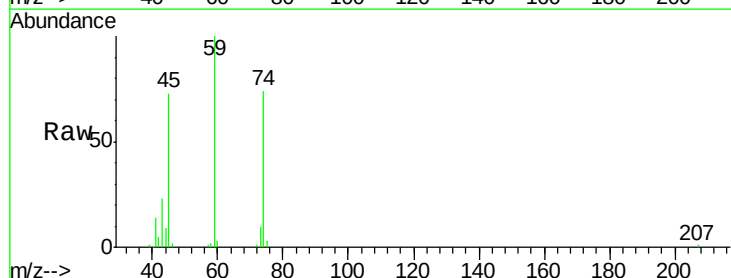
MMDadoda
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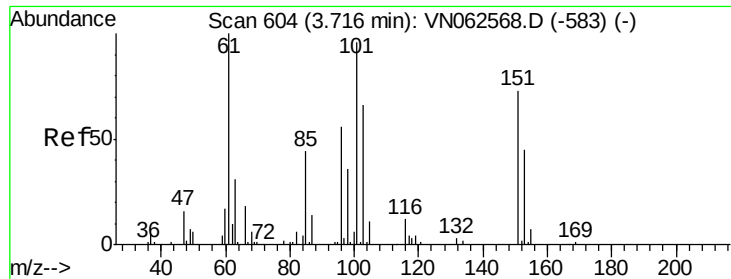


#8

Diethyl Ether
Concen: 41.925 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	53030		
45	102.0	55.3	165.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.773 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

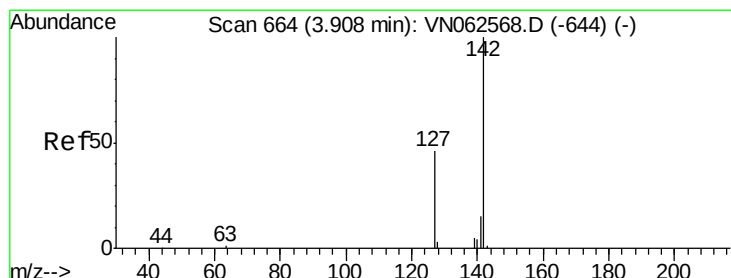
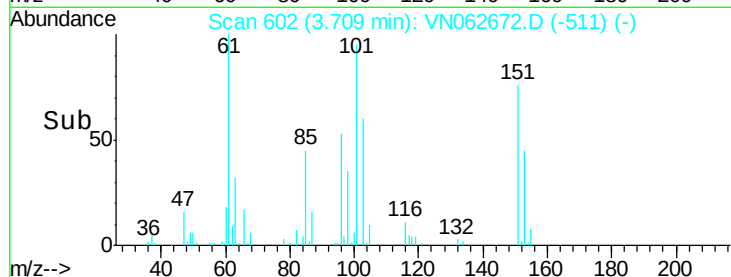
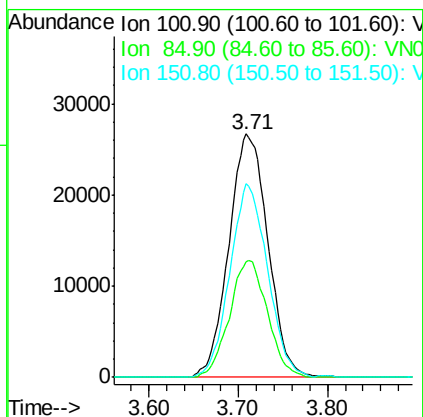
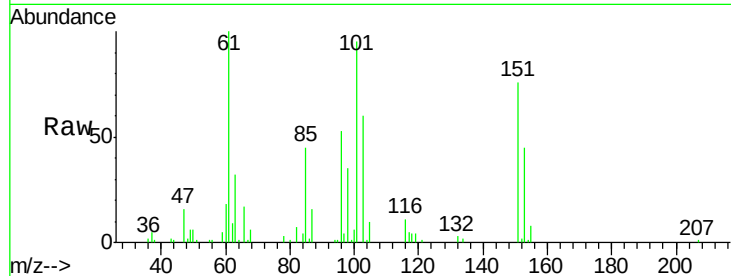
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	81115
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.0	54.0
151	76.7	60.0	90.0

Manual Integrations
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8/3/2020 9:31:52 AM



#10

Methyl Iodide

Concen: 49.781 ug/l

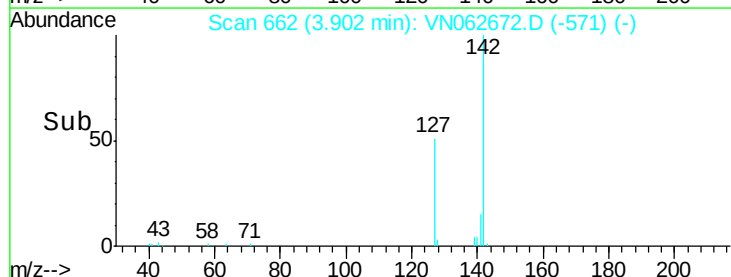
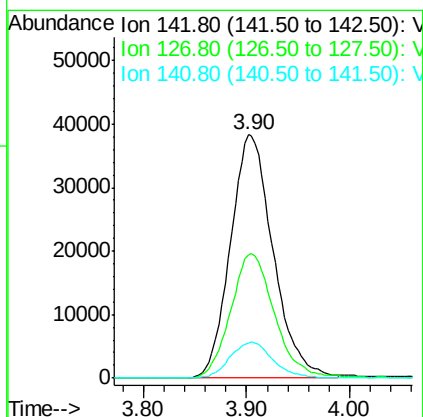
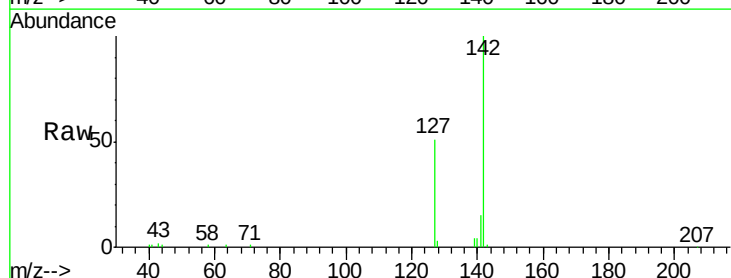
RT: 3.90 min Scan# 662

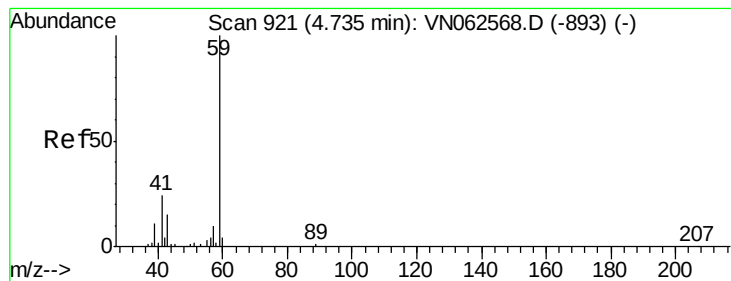
Delta R.T. -0.01 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Tgt Ion:	142	Resp:	110371
Ion Ratio	Lower	Upper	
142	100		
127	52.4	37.4	56.0
141	14.8	11.9	17.9





#11

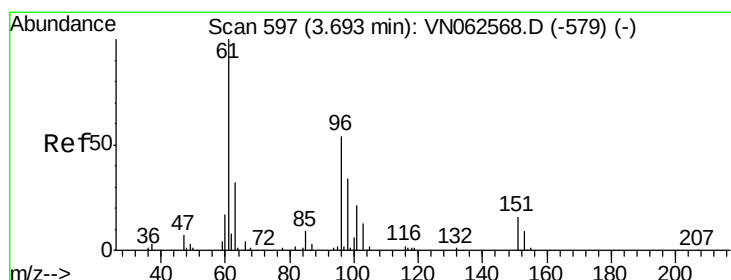
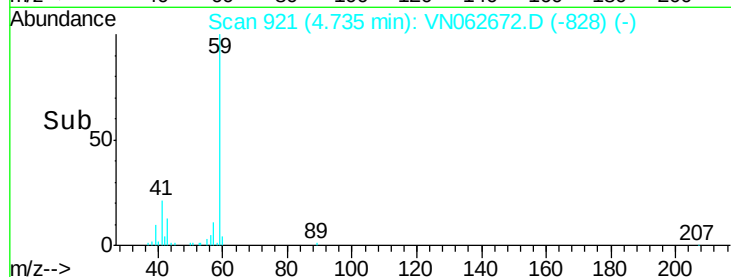
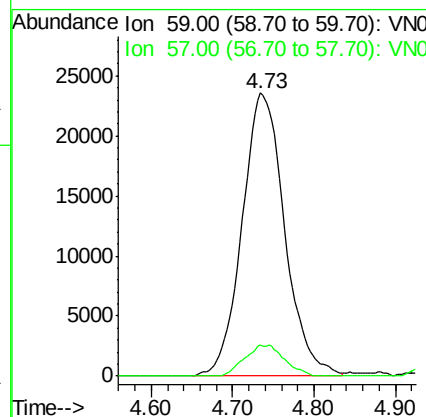
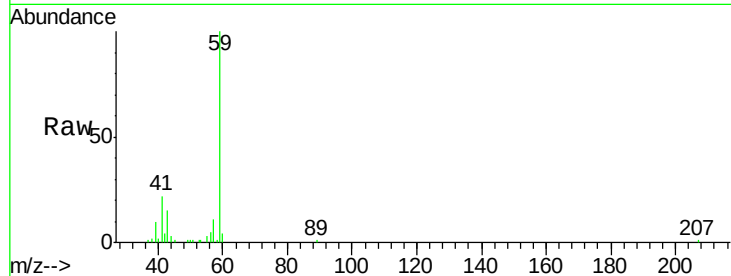
Tert butyl alcohol
Concen: 209.748 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

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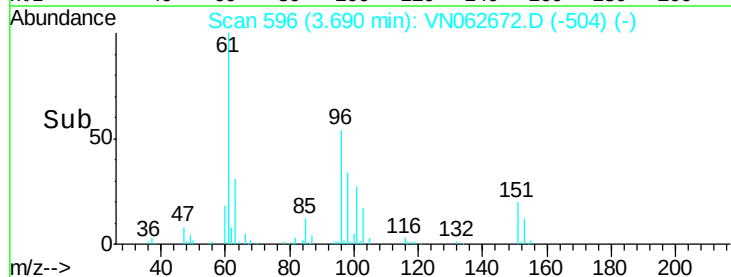
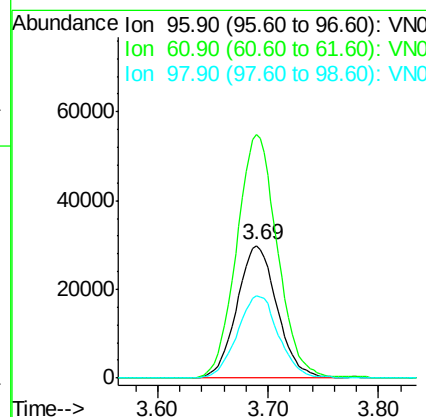
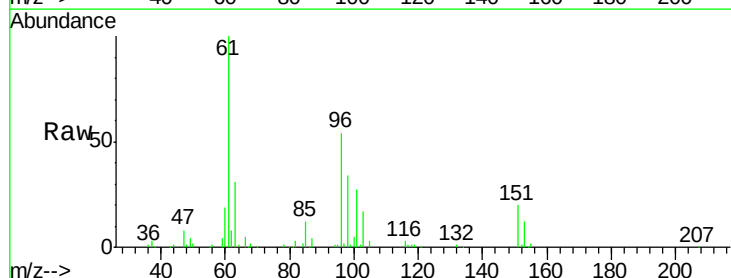
MMDadoda
8/3/2020 9:31:52 AM

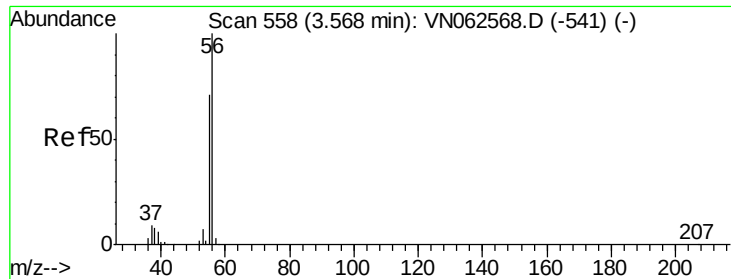


#12

1,1-Dichloroethene
Concen: 42.938 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.8	148.6	222.8
98	61.9	50.6	75.8





#13

Acrolein

Concen: 182.702 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76348

Ion Ratio Lower Upper

56 100

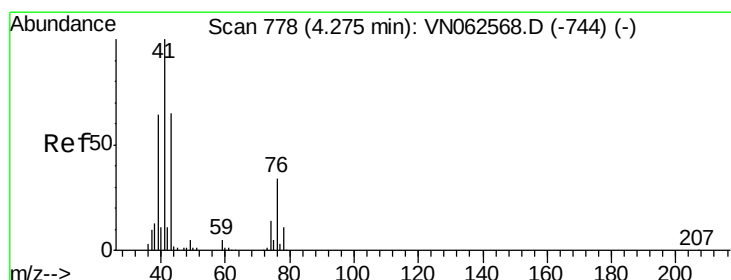
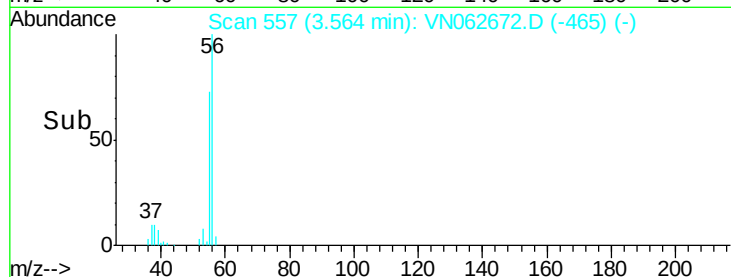
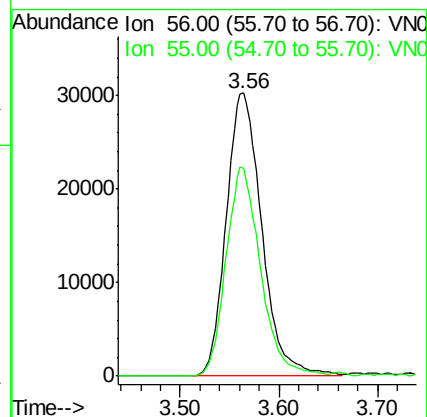
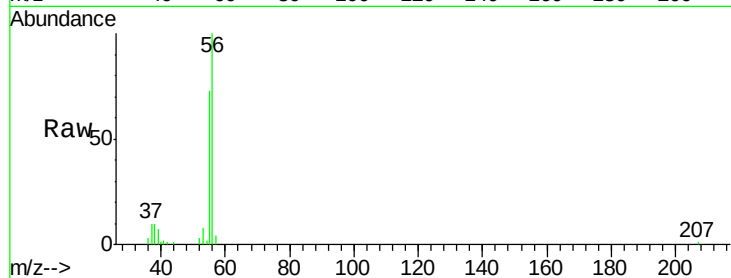
55 71.5 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 43.912 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

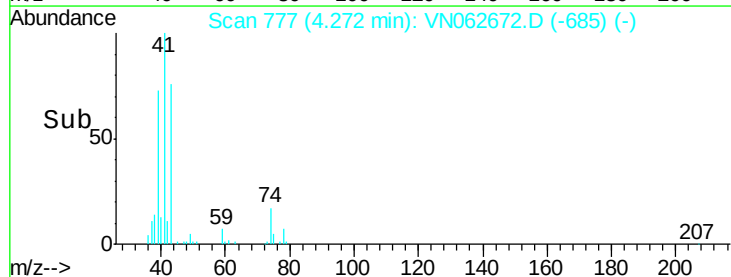
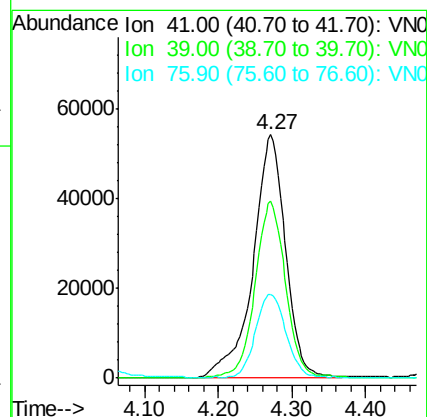
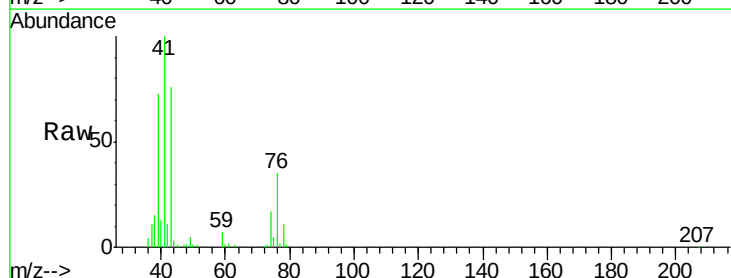
Tgt Ion: 41 Resp: 167064

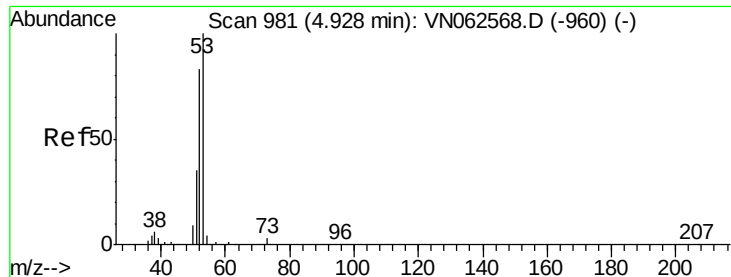
Ion Ratio Lower Upper

41 100

39 68.2 49.0 73.4

76 31.7 24.0 36.0





#15

Acrylonitrile

Concen: 230.531 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

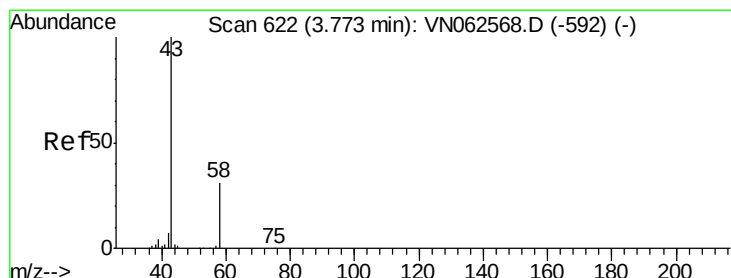
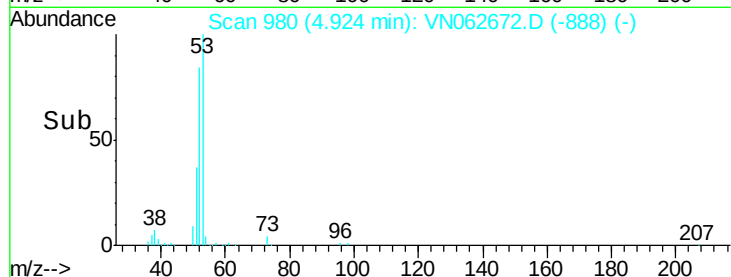
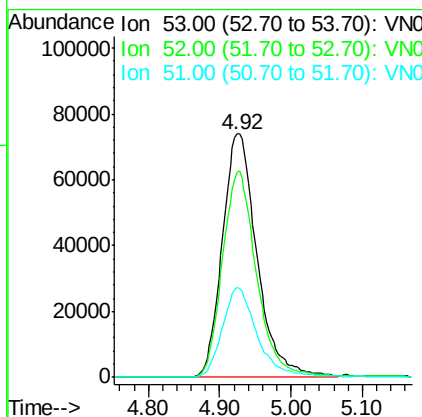
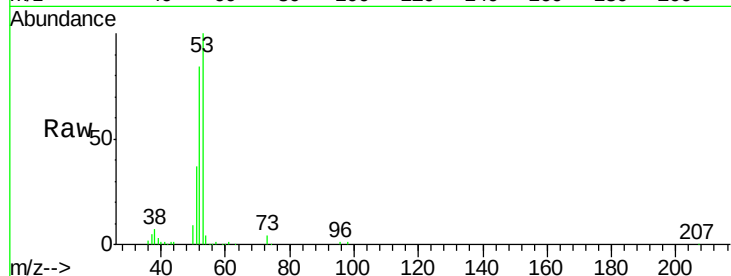
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	250650
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.3	99.5
51	36.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 303.113 ug/l

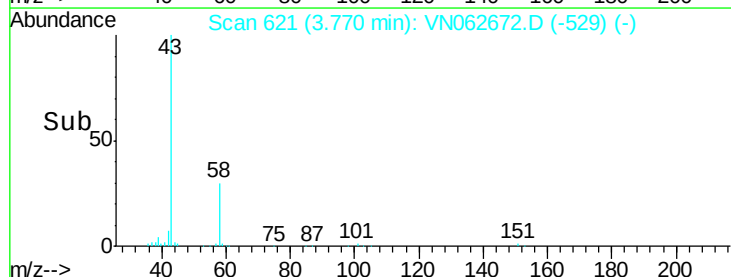
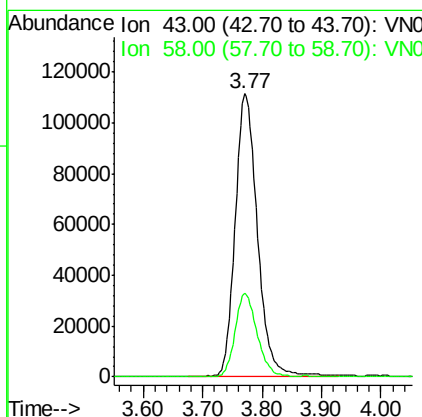
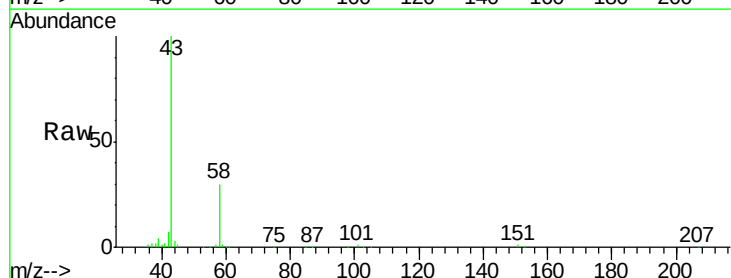
RT: 3.77 min Scan# 621

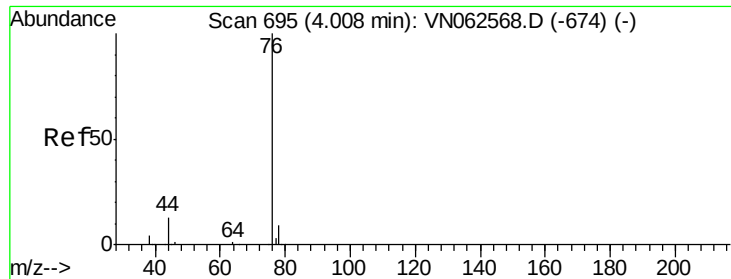
Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Tgt Ion:	43	Resp:	291060
Ion Ratio		Lower	Upper
43	100		
58	29.5	24.6	37.0





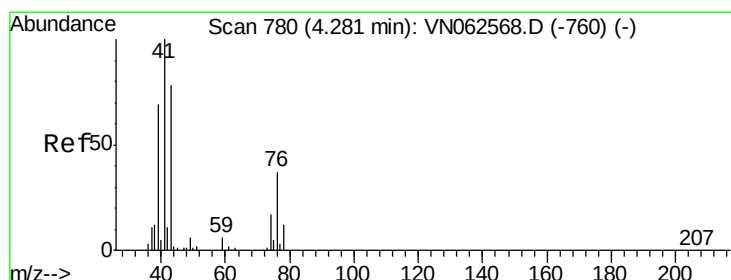
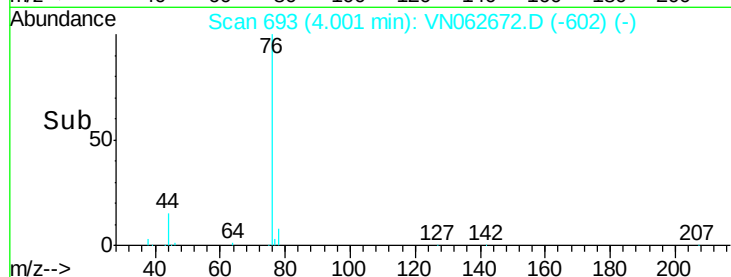
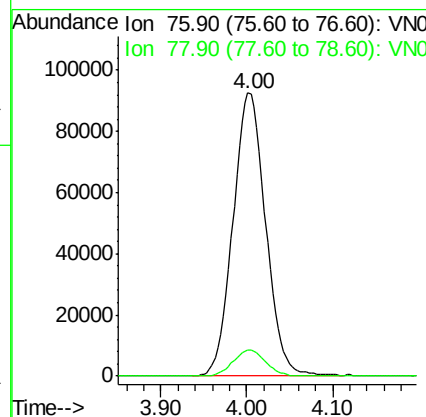
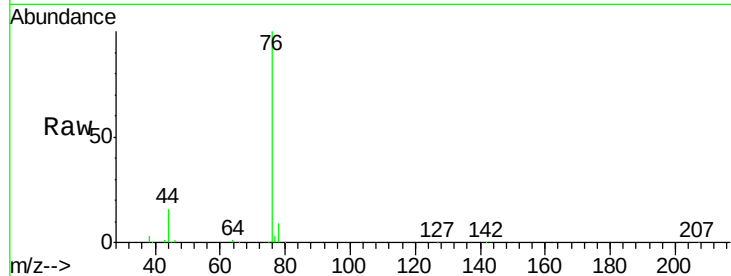
#17
Carbon Disulfide
Concen: 42.328 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.01 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

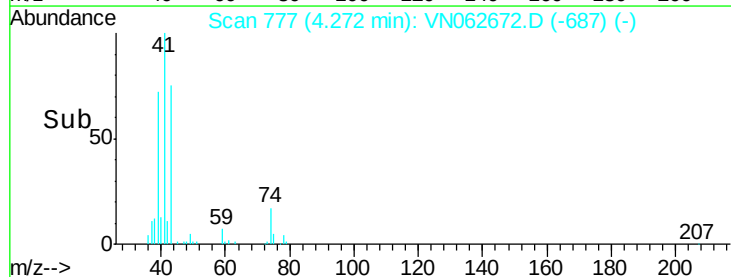
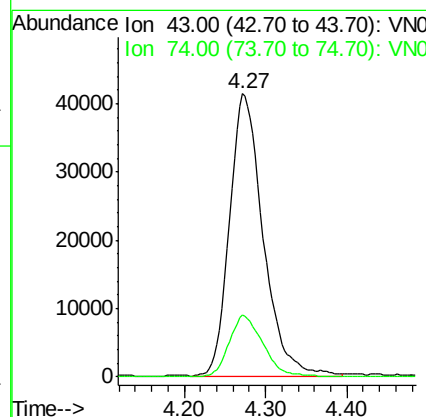
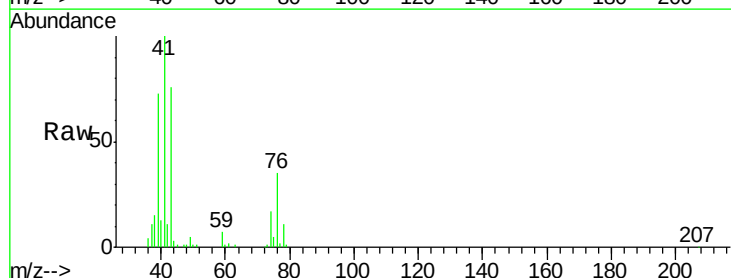
Manual Integrations
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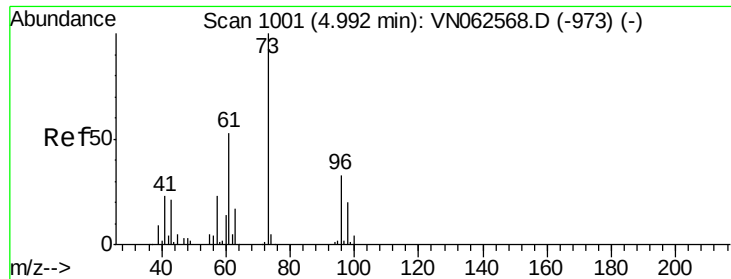
MMDadoda
8/3/2020 9:31:52 AM



#18
Methyl Acetate
Concen: 49.011 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.6	24.8





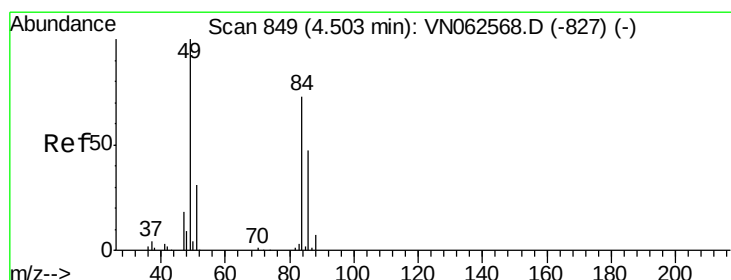
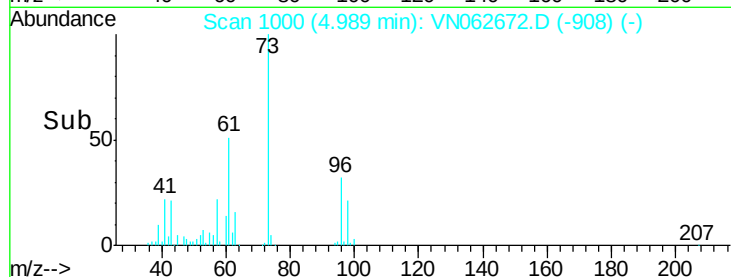
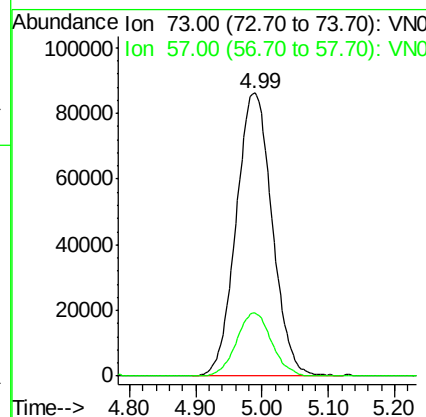
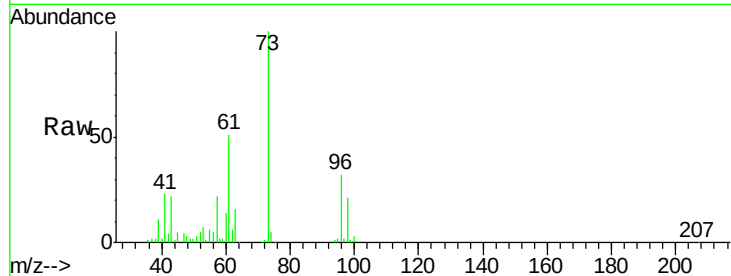
#19
Methvl tert-butyl Ether
Concen: 50.337 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 325859
Ion Ratio Lower Upper
73 100
57 22.3 18.6 27.8

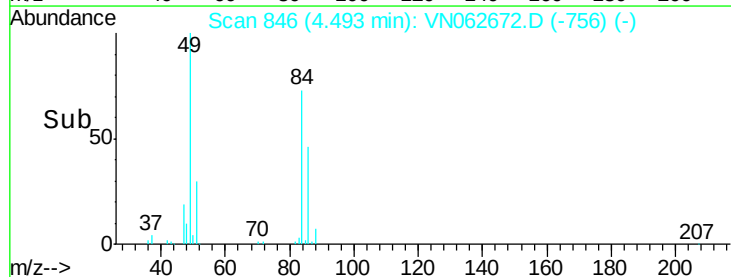
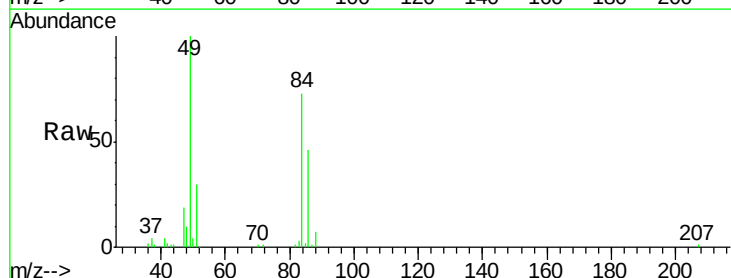
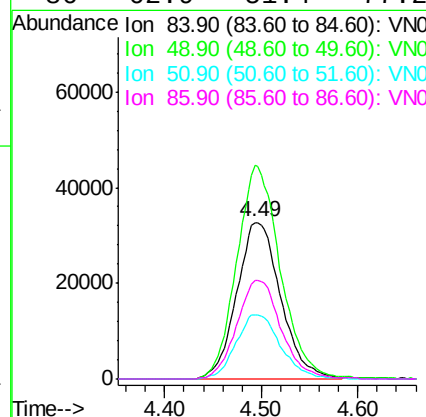
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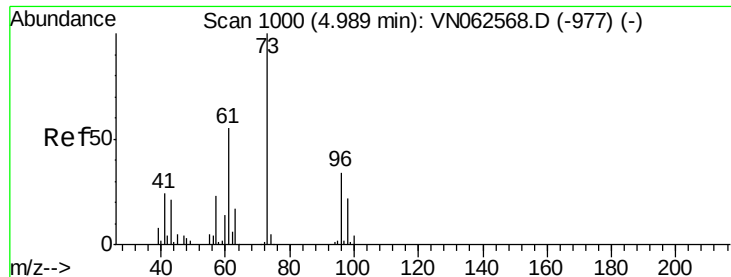
MMDadoda
8/3/2020 9:31:52 AM



#20
Methylene Chloride
Concen: 44.863 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion: 84 Resp: 103322
Ion Ratio Lower Upper
84 100
49 136.2 109.4 164.0
51 41.1 33.6 50.4
86 62.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.386 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

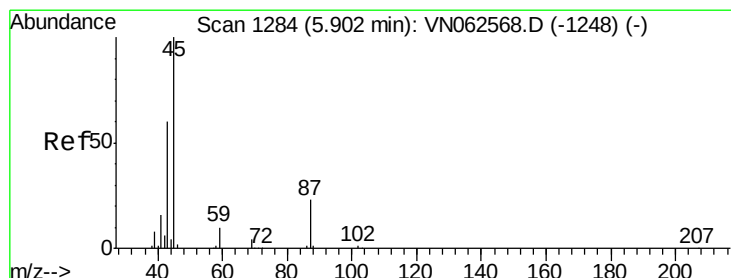
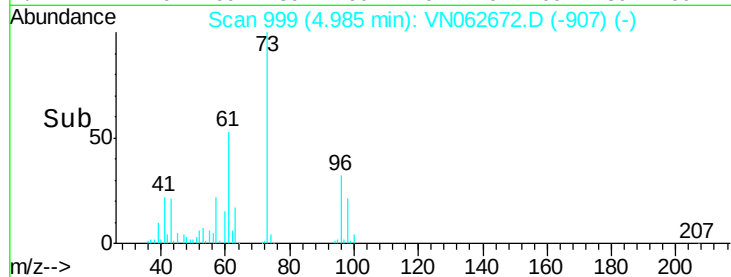
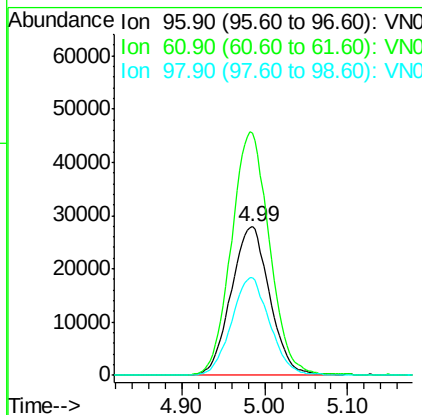
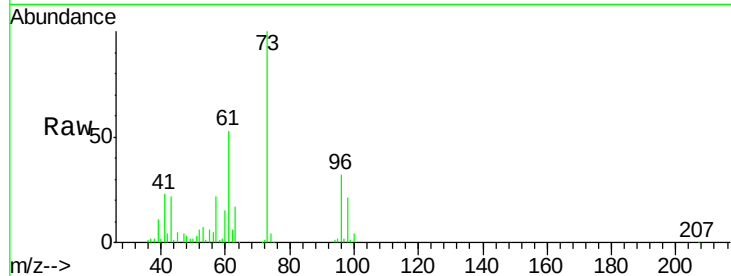
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	90549
Ion	Ratio	Lower	Upper
96	100		
61	163.5	128.6	192.8
98	66.1	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.311 ug/l

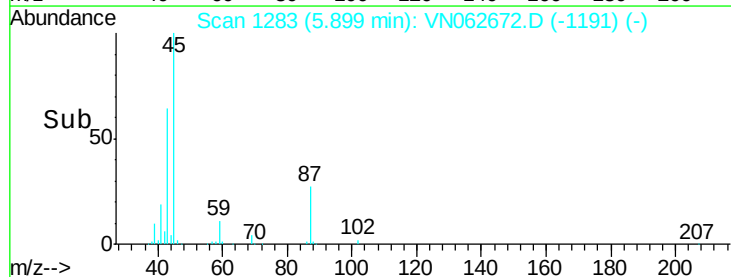
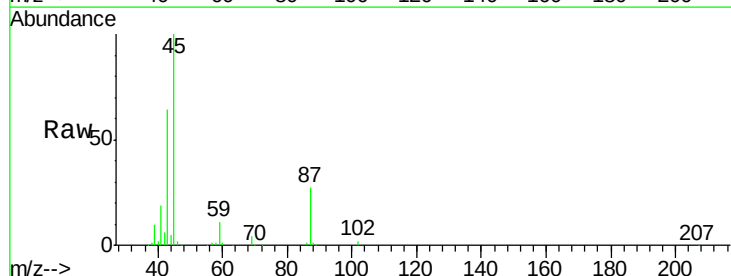
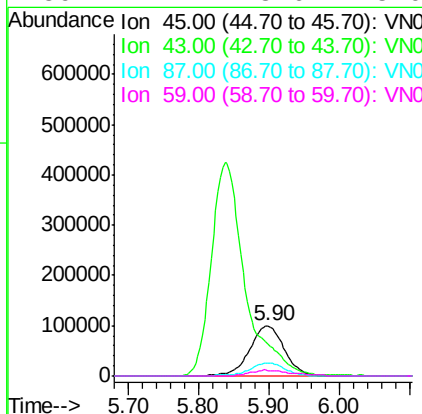
RT: 5.90 min Scan# 1283

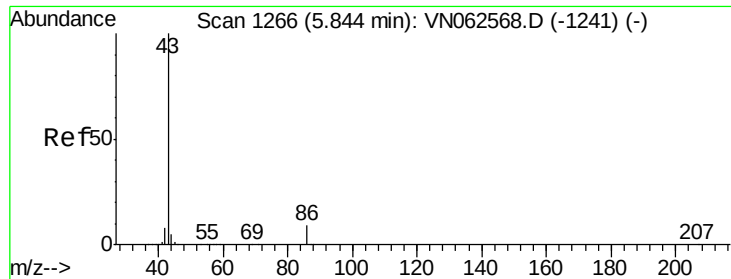
Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Tgt Ion:	45	Resp:	342658
Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.7	73.1
87	26.7	19.0	28.6
59	11.2	8.6	13.0





#23

Vinyl Acetate

Concen: 229.577 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1422565

Ion Ratio Lower Upper

43 100

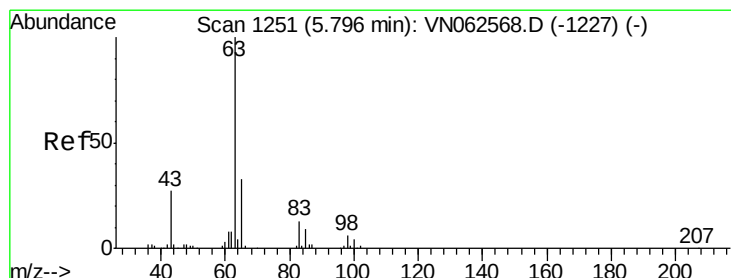
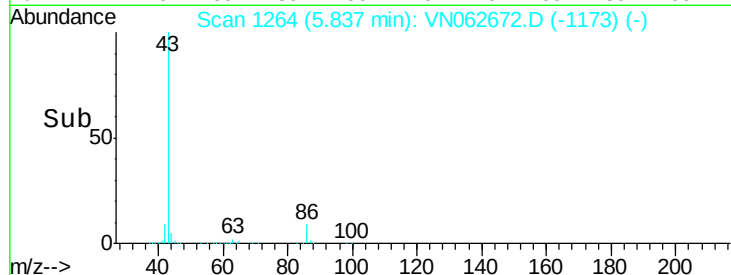
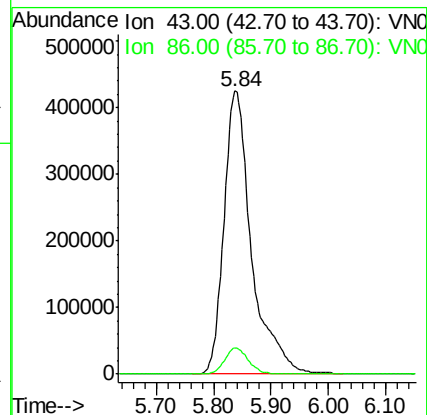
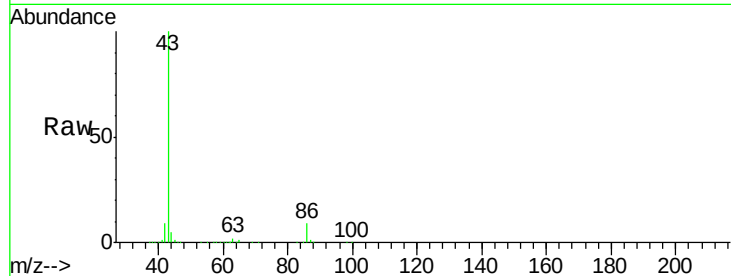
86 9.3 6.9 10.3

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 47.090 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

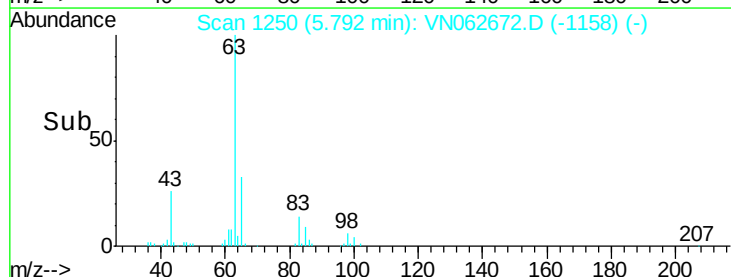
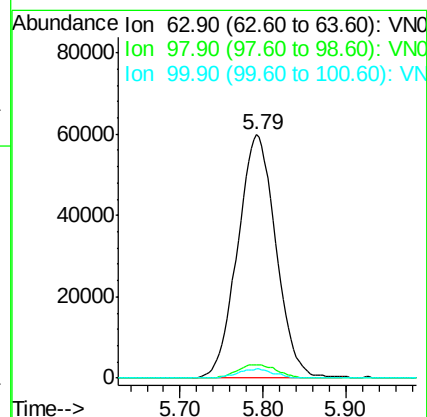
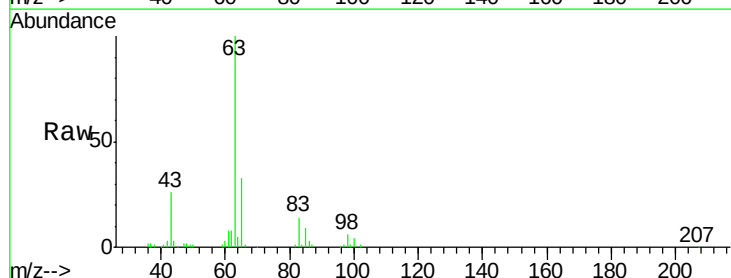
Tgt Ion: 63 Resp: 191764

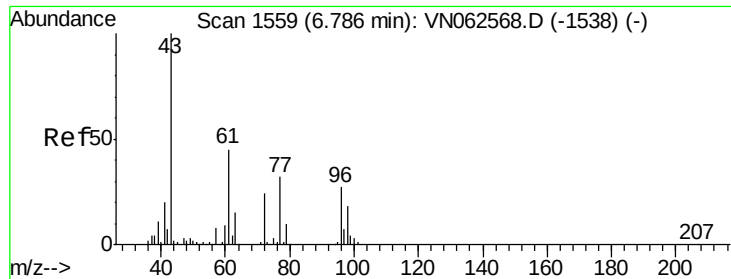
Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.8

100 3.7 1.8 5.4





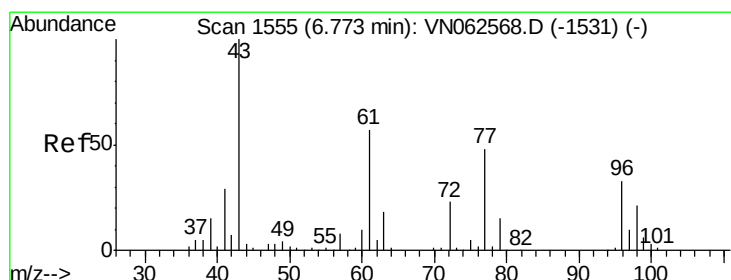
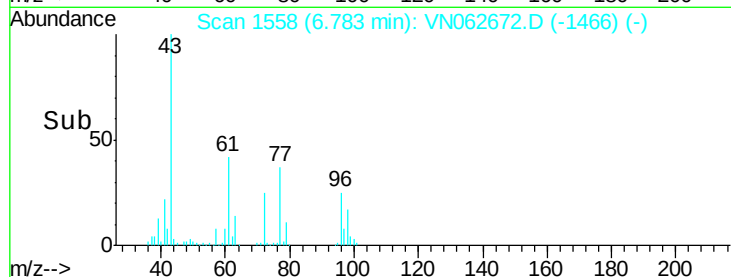
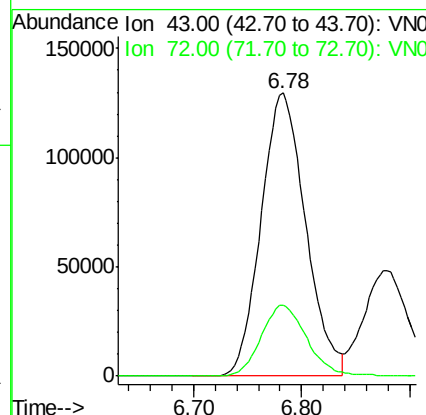
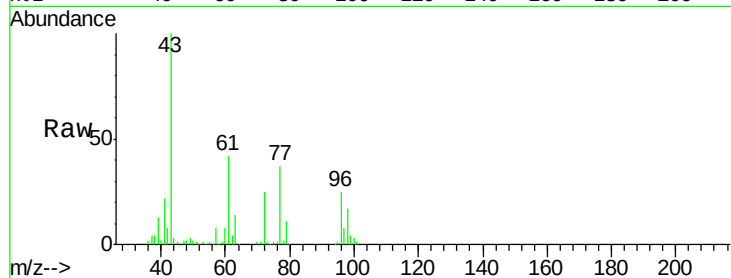
#25
2-Butanone
Concen: 254.229 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.0	28.6

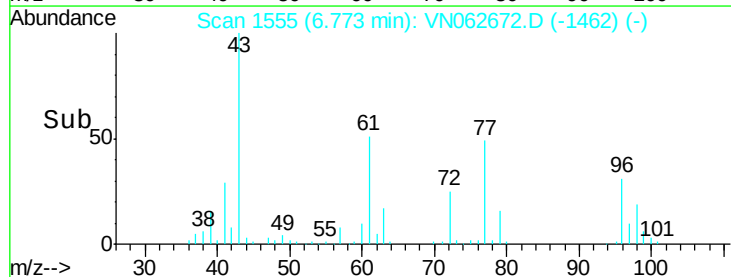
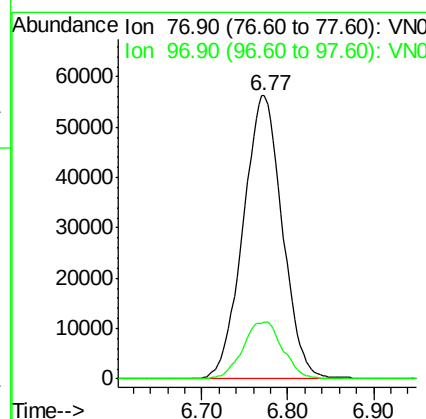
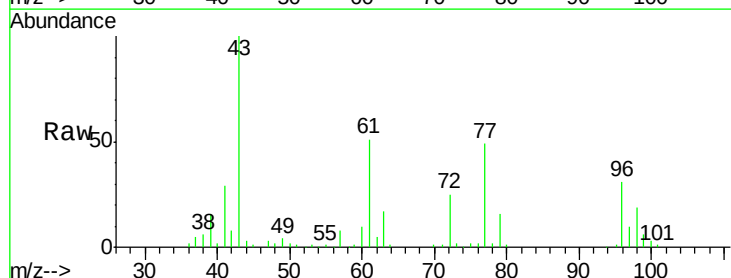
Manual Integrations
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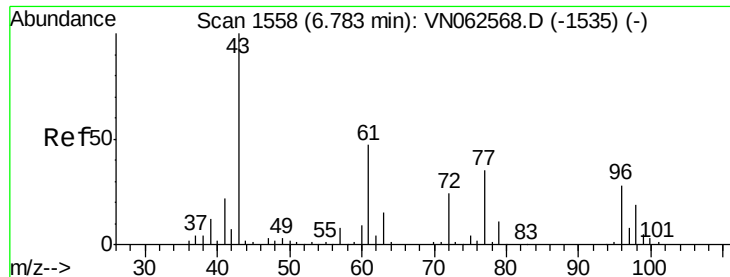
MMDadoda
8/3/2020 9:31:52 AM



#26
2,2-Dichloropropane
Concen: 53.269 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
77	100		
97	20.5	10.8	32.4





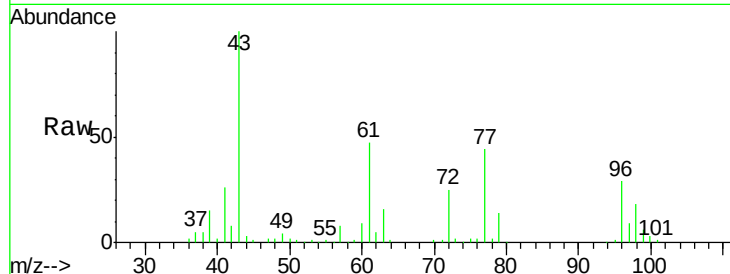
#27
 cis-1,2-Dichloroethene
 Concen: 45.872 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	102181		
61	170.3	0.0	332.4	
98	65.3	0.0	127.4	

Manual Integrations
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MMDadoda
 8/3/2020 9:31:52 AM

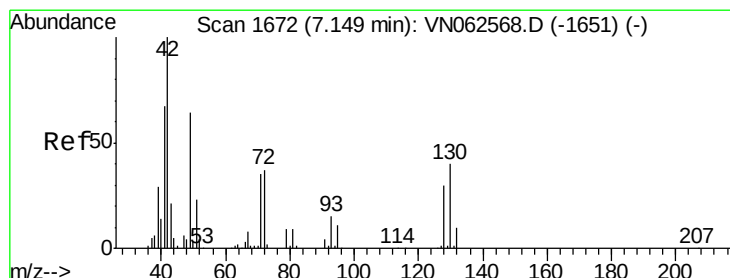
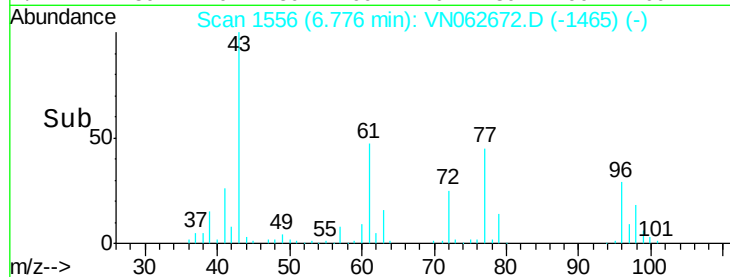
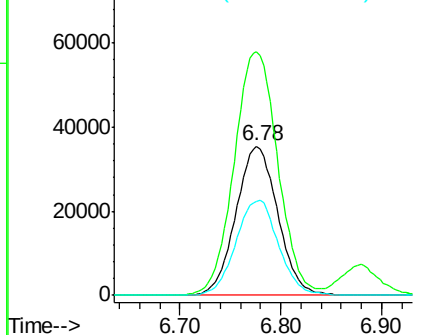


Abundance

Ion 95.90 (95.60 to 96.60): VN0

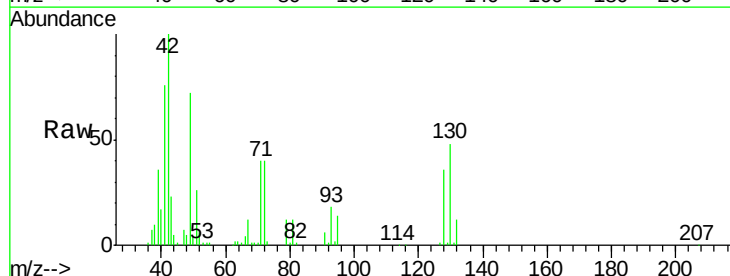
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28
 Bromochloromethane
 Concen: 46.772 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	93737		
129	1.7	0.0	3.4	
130	67.7	49.8	74.8	

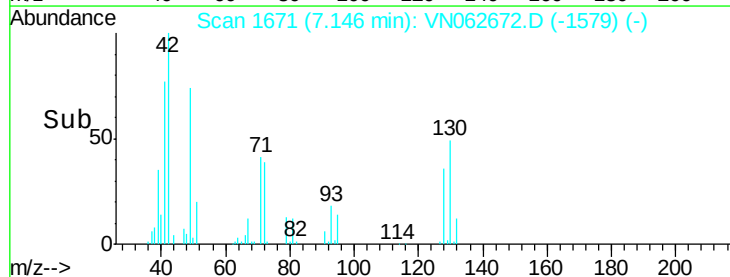
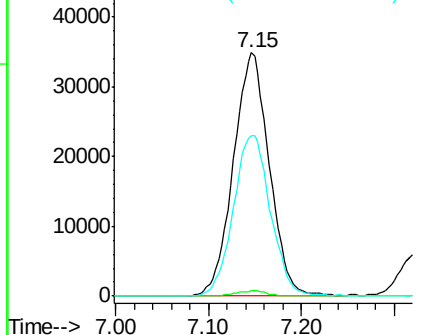


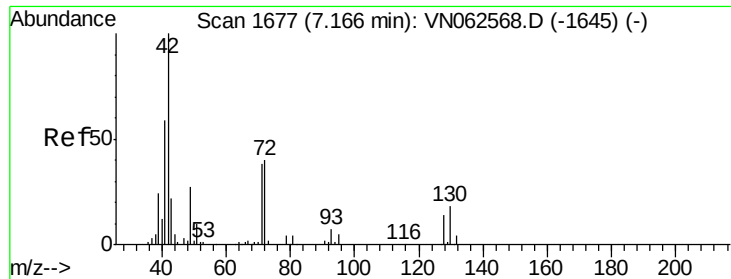
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0





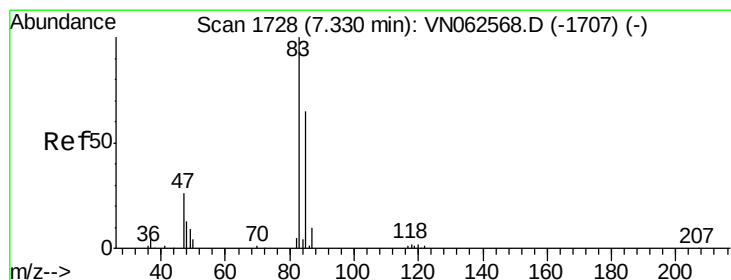
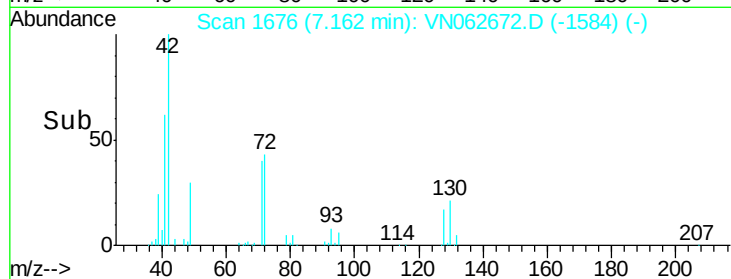
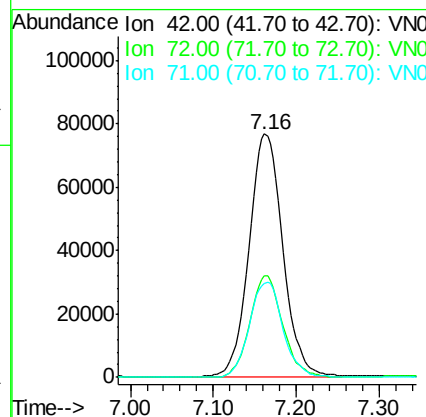
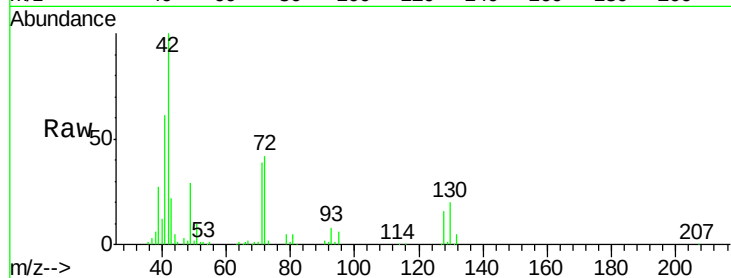
#29
Tetrahydrofuran
Concen: 220.562 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	30.7	46.1
71	38.7	29.1	43.7

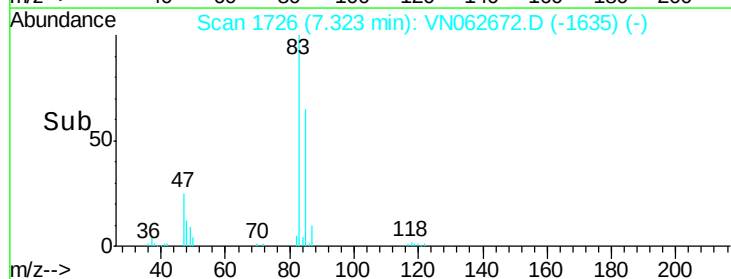
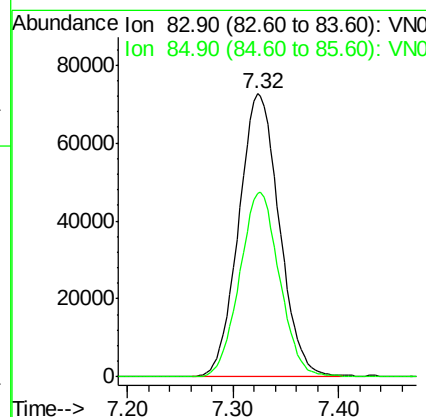
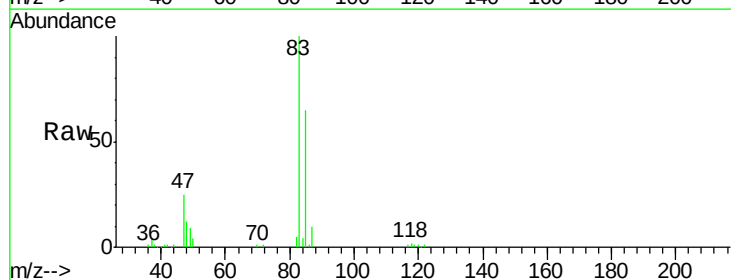
Manual Integrations
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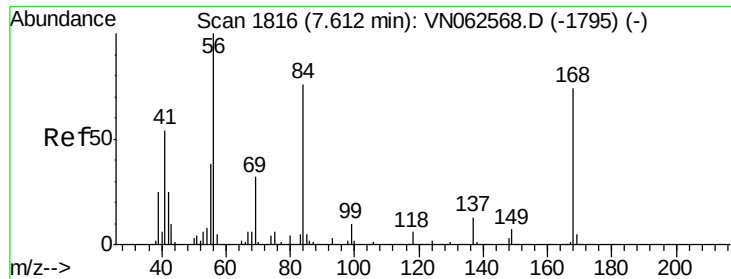
MMDadoda
8/3/2020 9:31:52 AM



#30
Chloroform
Concen: 50.137 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.0	78.0





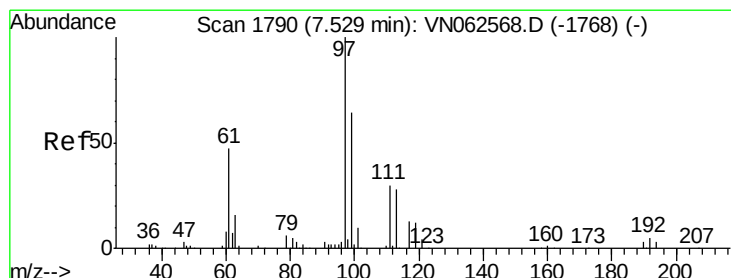
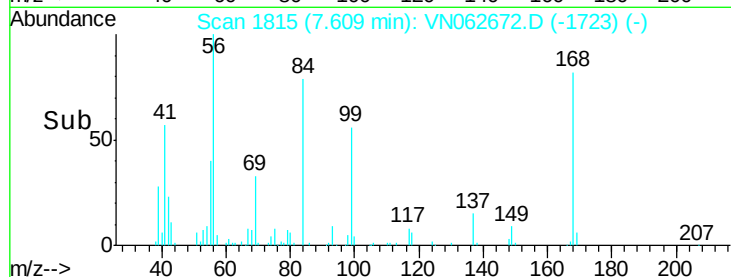
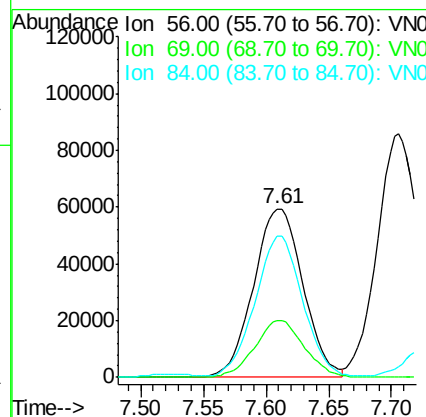
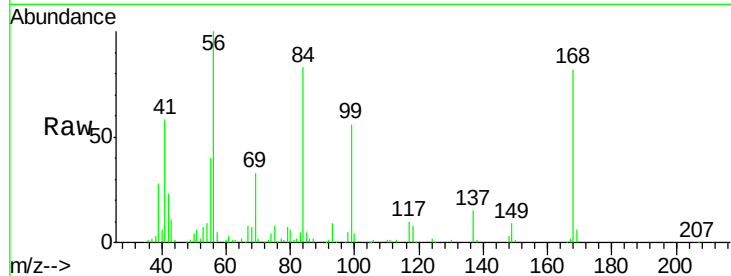
#31
Cyclohexane
Concen: 43.409 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.3	37.9
84	82.1	61.0	91.4

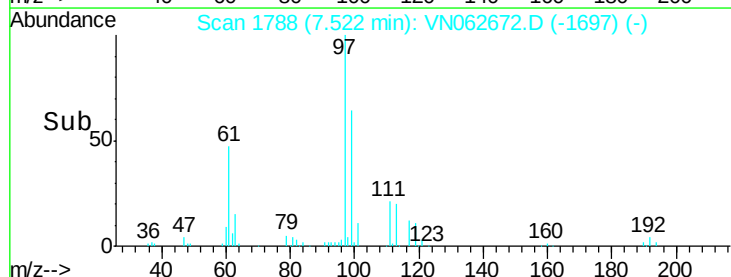
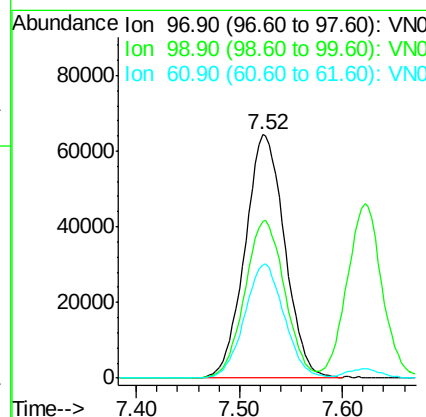
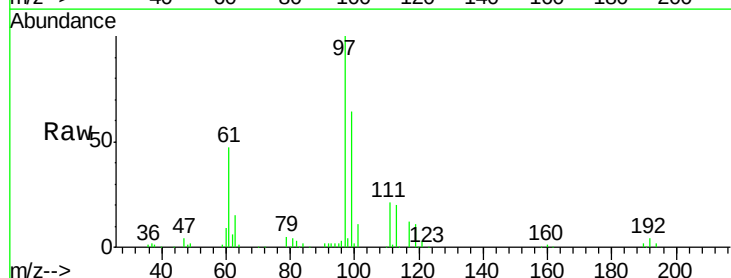
Manual Integrations
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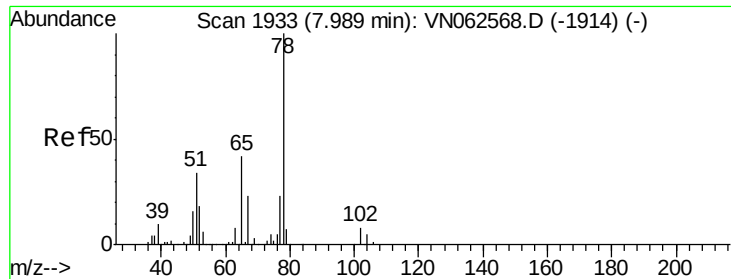
MMDadoda
8/3/2020 9:31:52 AM



#32
1,1,1-Trichloroethane
Concen: 53.324 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	46.6	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 51.574 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 131603

Ion Ratio Lower Upper

65 100

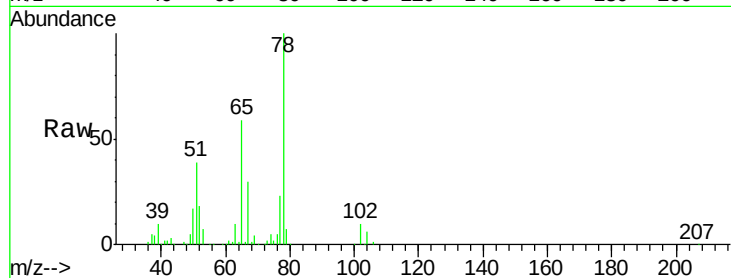
67 50.9 0.0 106.0

Manual Integrations

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MMDadoda

8/3/2020 9:31:52 AM



Abundance Ion 64.90 (64.60 to 65.60): VN062568.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062568.D (-1914) (-)

7.98

60000

50000

40000

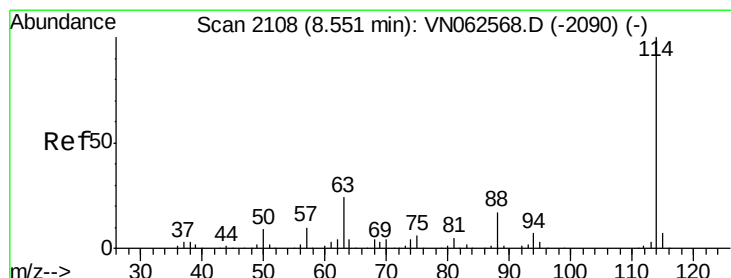
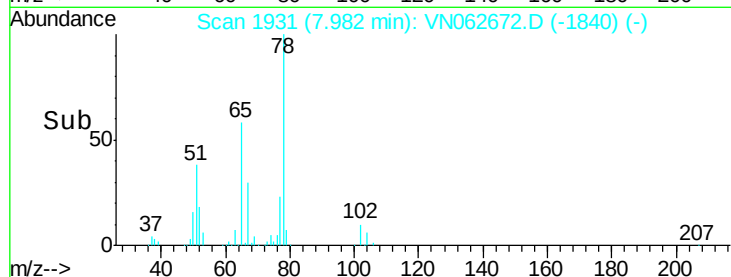
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

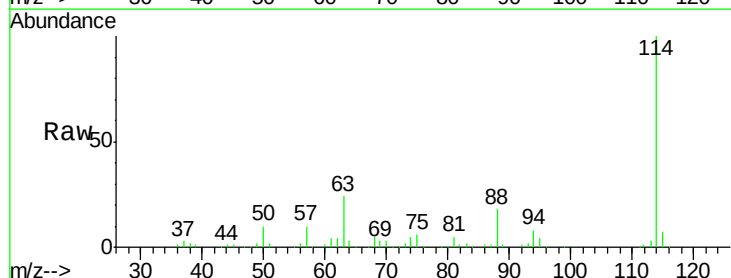
Tgt Ion: 114 Resp: 258184

Ion Ratio Lower Upper

114 100

63 23.7 0.0 48.4

88 17.7 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062568.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062568.D (-2090) (-)

8.55

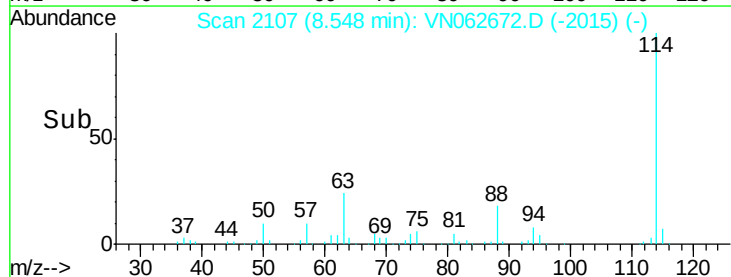
150000

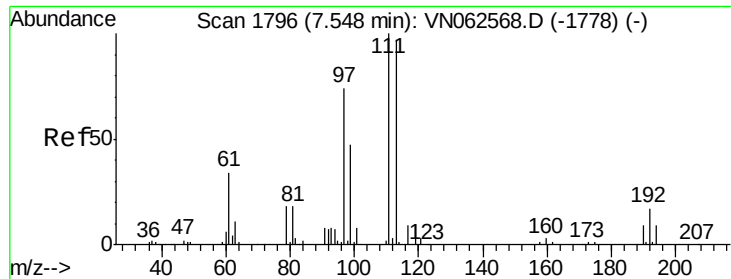
100000

50000

0

Time-->





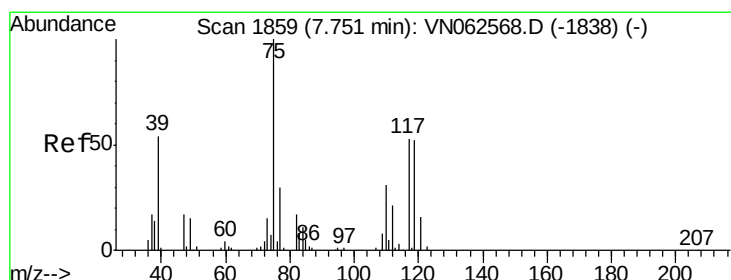
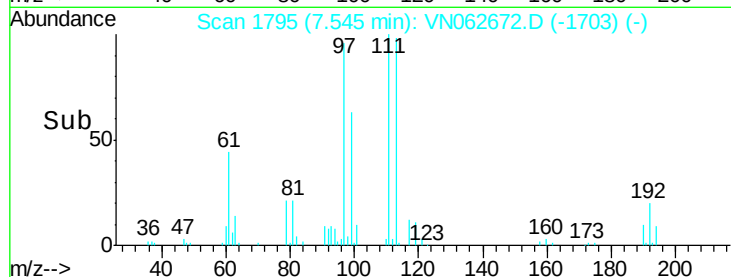
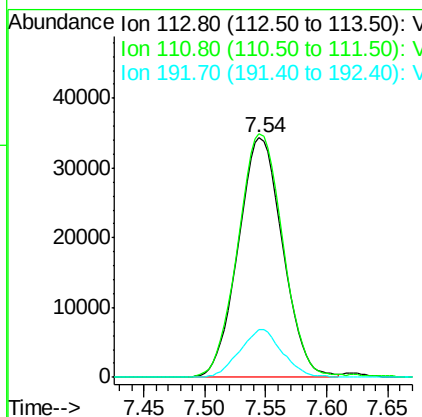
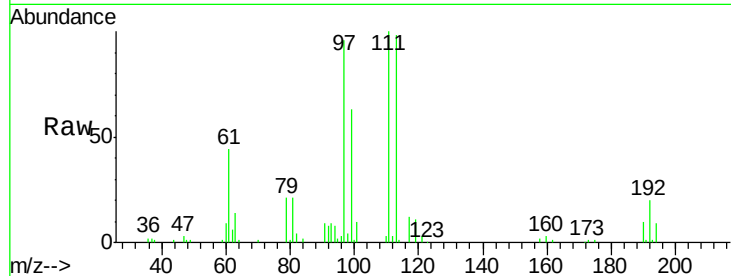
#35
 Dibromofluoromethane
 Concen: 51.182 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86799		
111	103.0	82.7	124.1	
192	19.0	14.8	22.2	

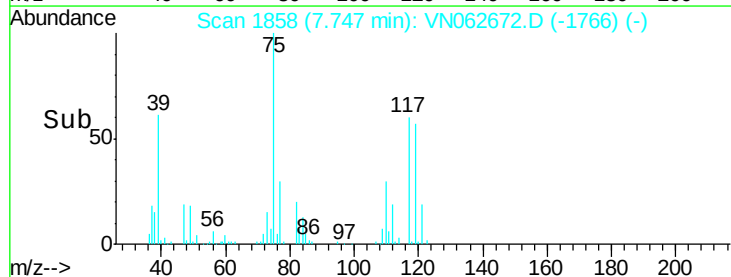
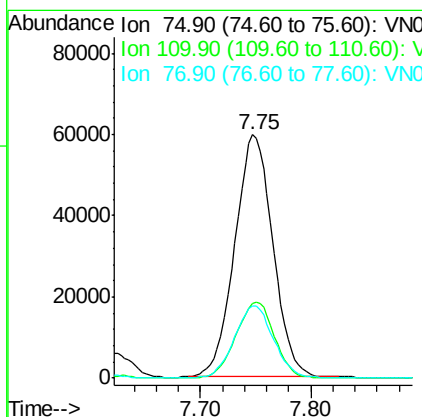
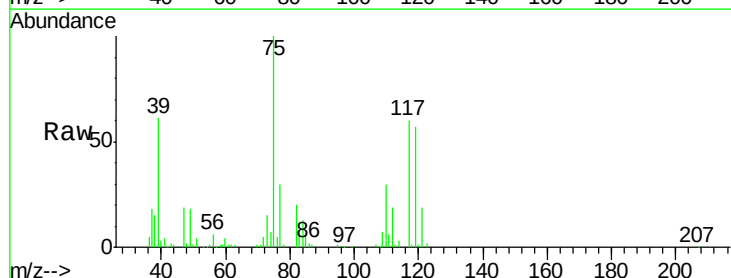
Manual Integrations
 APPROVED

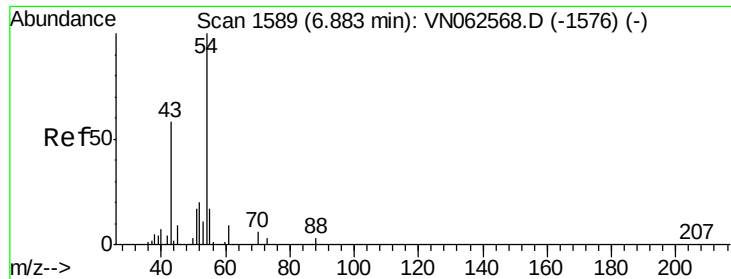
MMDadoda
 8/3/2020 9:31:52 AM



#36
 1,1-Dichloropropene
 Concen: 51.975 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143034		
110	31.8	16.0	48.0	
77	30.7	24.6	36.8	





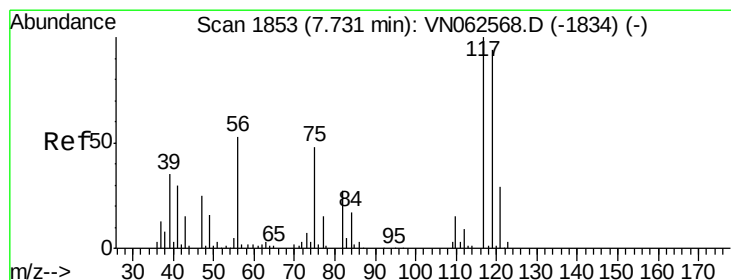
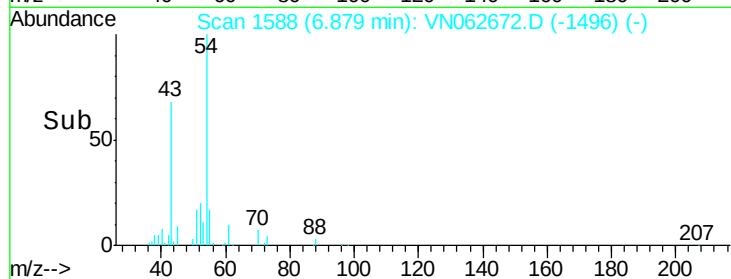
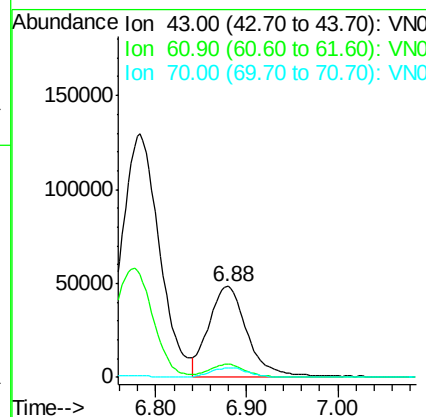
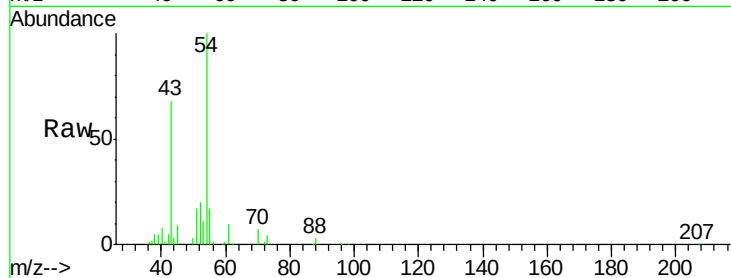
#37
Ethyl Acetate
Concen: 47.242 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	10.5	7.7	11.5

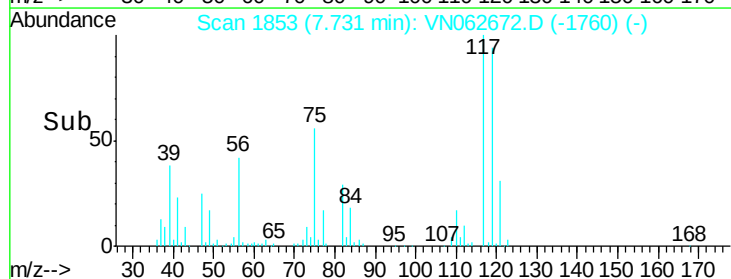
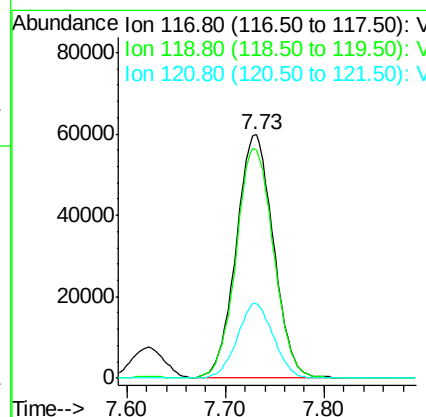
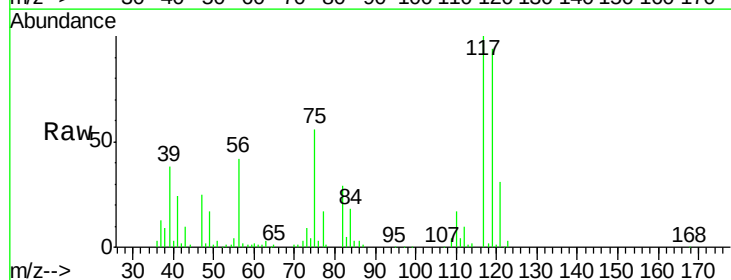
Manual Integrations
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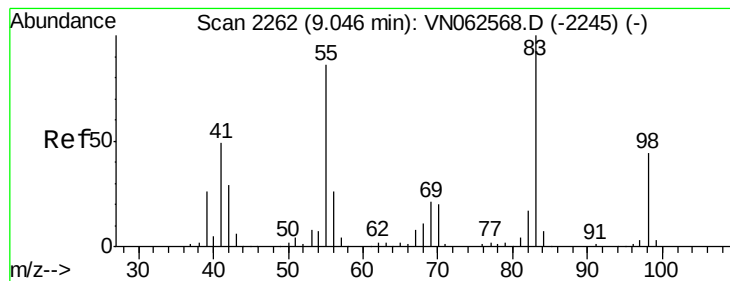
MMDadoda
8/3/2020 9:31:52 AM



#38
Carbon Tetrachloride
Concen: 58.831 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	74.8	112.2
121	31.0	23.0	34.6





#39

Methylvlcyclohexane

Concen: 52.843 ug/l

RT: 9.04 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 156542

Ion Ratio Lower Upper

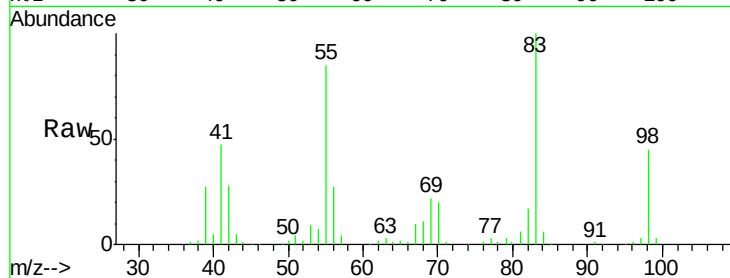
83 100

55 84.6 68.9 103.3

98 45.2 35.1 52.7

Manual Integrations
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MMDadoda
8/3/2020 9:31:52 AM

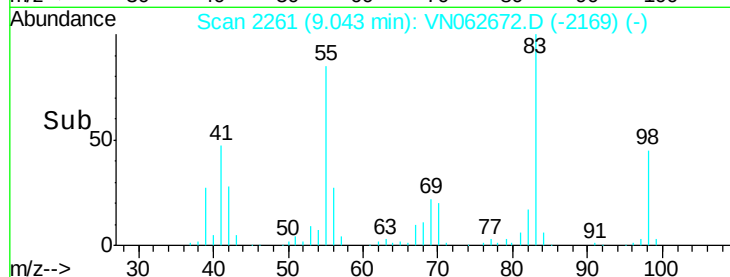


Abundance Ion 83.00 (82.70 to 83.70): VN062568.D (-2245) (-)

Ion 55.00 (54.70 to 55.70): VN062568.D (-2245) (-)

Ion 98.00 (97.70 to 98.70): VN062568.D (-2245) (-)

Time-->



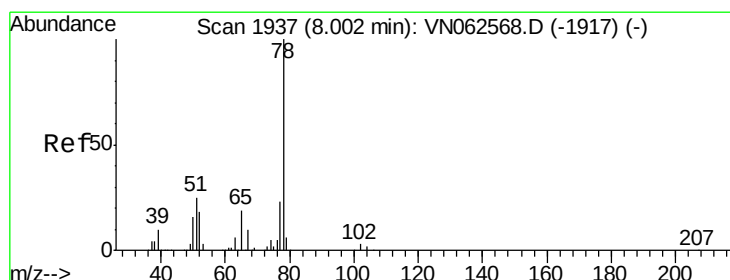
Abundance

Ion 83.00 (82.70 to 83.70): VN062568.D (-2245) (-)

Ion 55.00 (54.70 to 55.70): VN062568.D (-2245) (-)

Ion 98.00 (97.70 to 98.70): VN062568.D (-2245) (-)

Time-->



#40

Benzene

Concen: 49.510 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VN062672.D

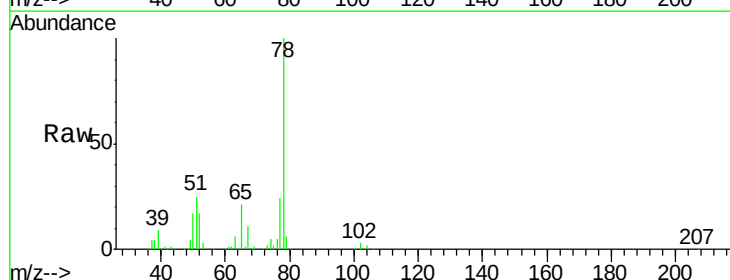
Acq: 31 Jul 2020 9:14

Tgt Ion: 78 Resp: 412495

Ion Ratio Lower Upper

78 100

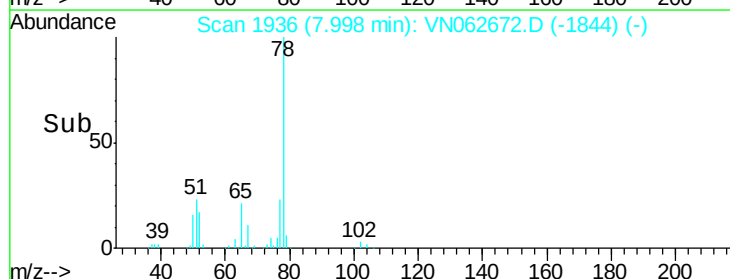
77 23.7 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN062568.D (-1917) (-)

Ion 77.00 (76.70 to 77.70): VN062568.D (-1917) (-)

Time-->

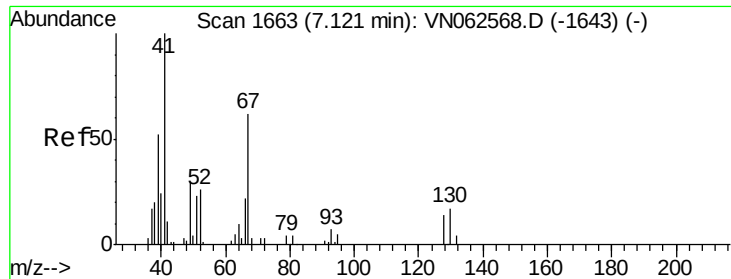


Abundance

Ion 78.00 (77.70 to 78.70): VN062568.D (-1917) (-)

Ion 77.00 (76.70 to 77.70): VN062568.D (-1917) (-)

Time-->



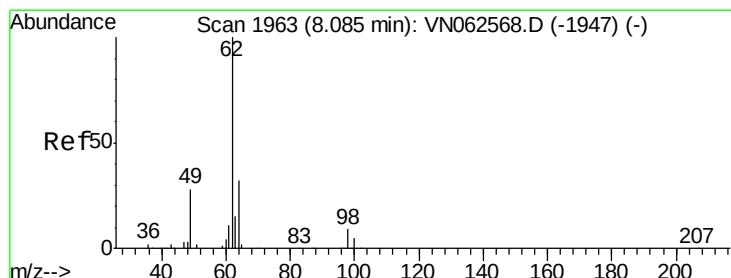
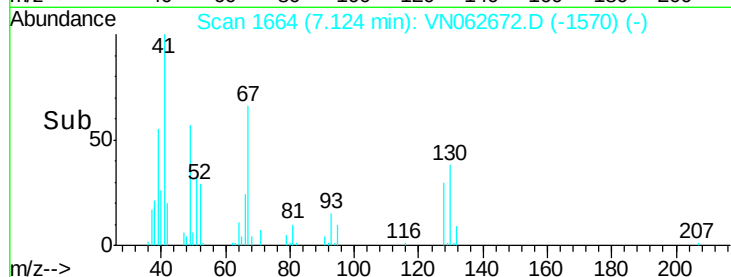
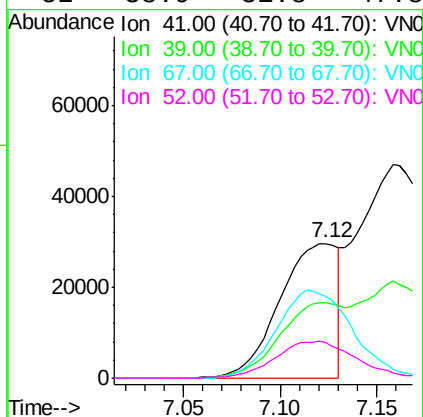
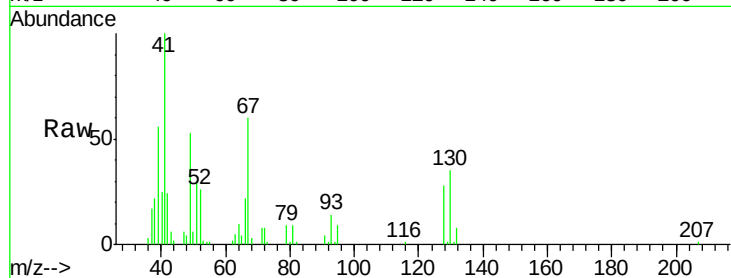
#41
Methacrylonitrile
Concen: 48.631 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	61828
Ion	Ratio	Lower	Upper
41	100		
39	60.8	55.8	83.6
67	87.1	72.5	108.7
52	38.9	31.8	47.8

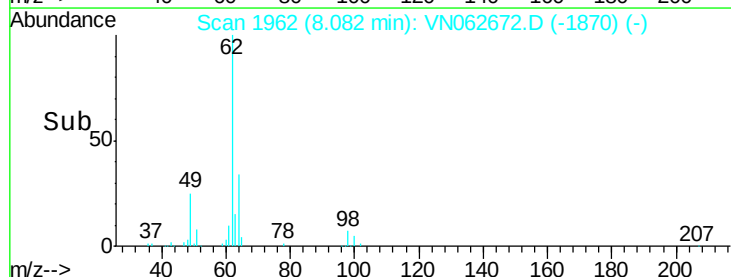
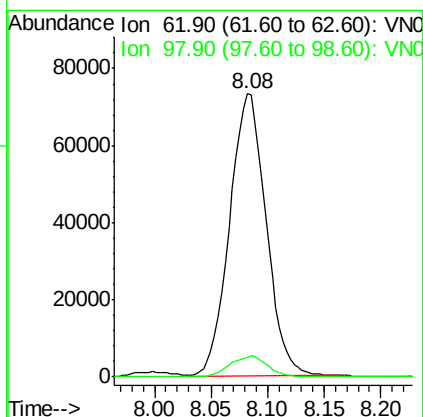
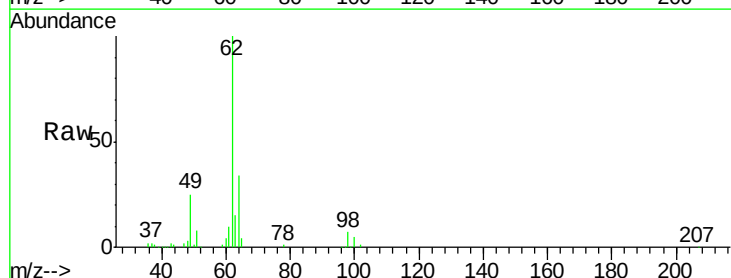
Manual Integrations
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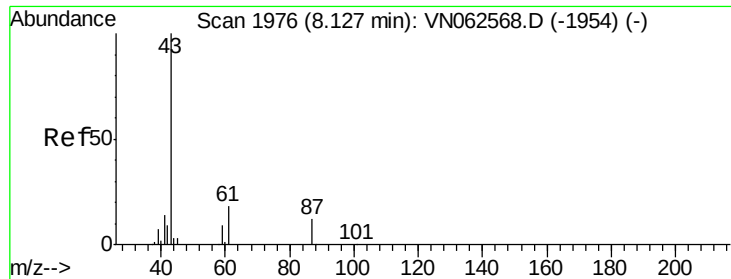
MMDadoda
8/3/2020 9:31:52 AM



#42
1,2-Dichloroethane
Concen: 54.288 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion:	62	Resp:	165358
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	16.2





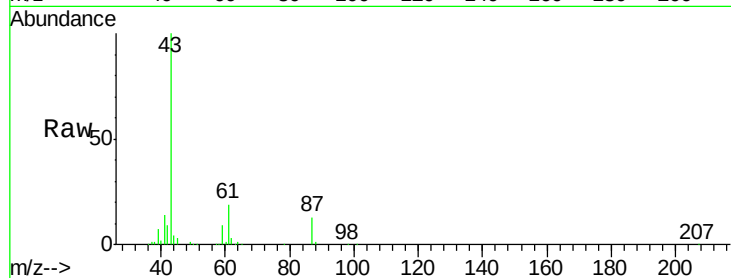
#43
Isopropyl Acetate
Concen: 48.556 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

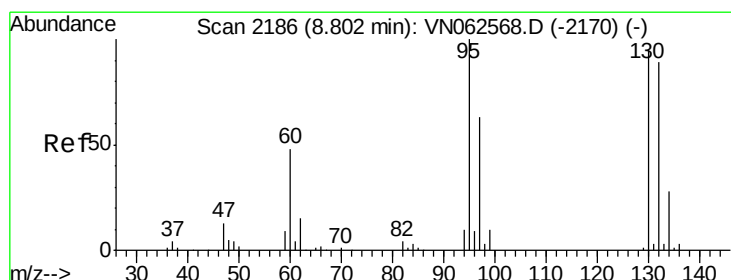
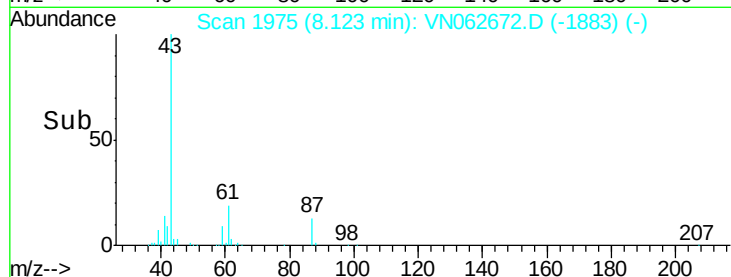
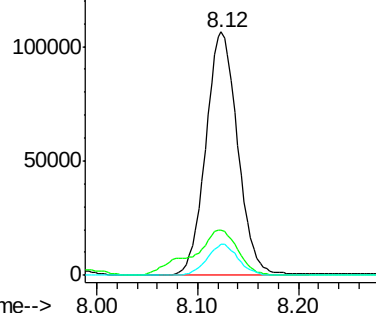
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.8	31.2
87	12.4	9.2	13.8

Manual Integrations
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MMDadoda
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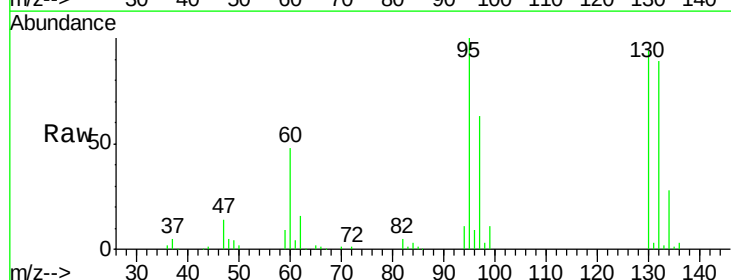


Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1954) (-)

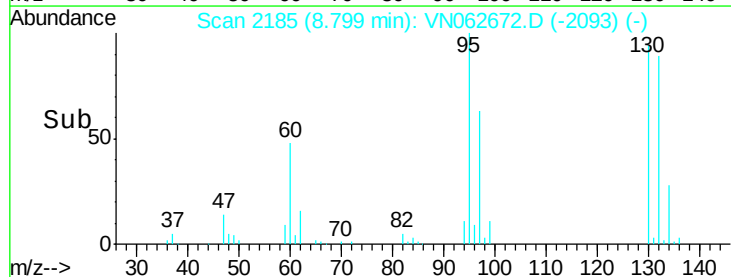
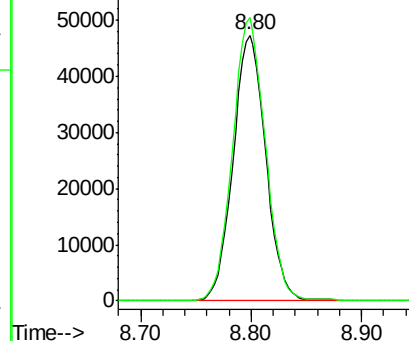


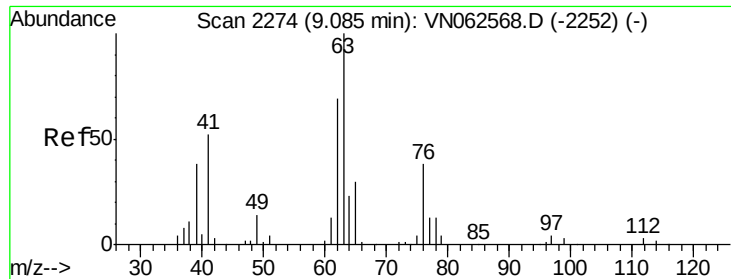
#44
Trichloroethene
Concen: 51.577 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	210.4



Abundance Ion 129.80 (129.50 to 130.50): VN062568.D (-2170) (-)





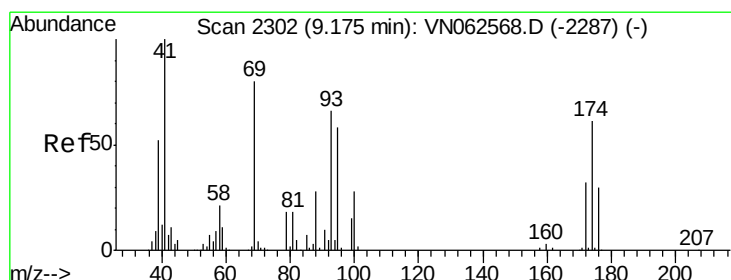
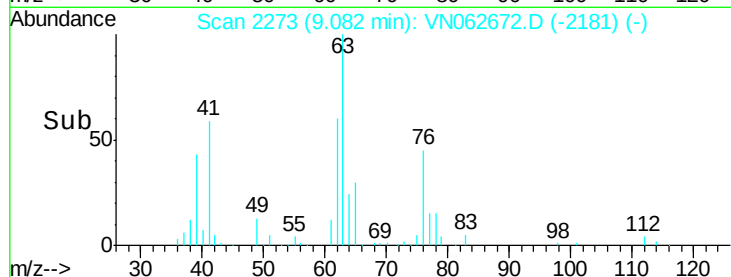
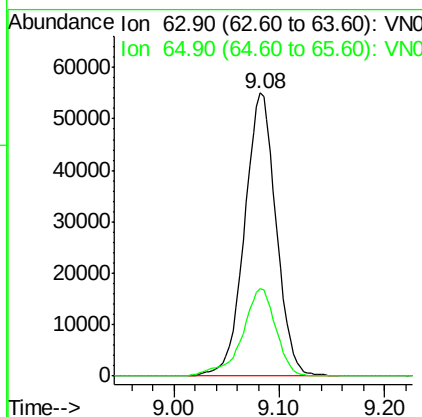
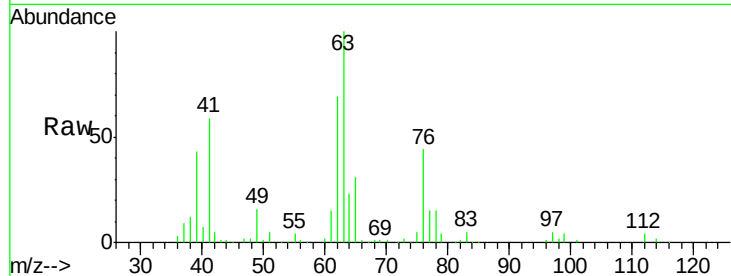
#45
 1,2-Dichloropropane
 Concen: 49.118 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 114898
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.4 36.6

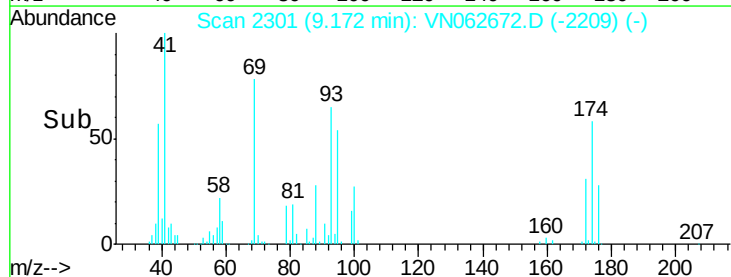
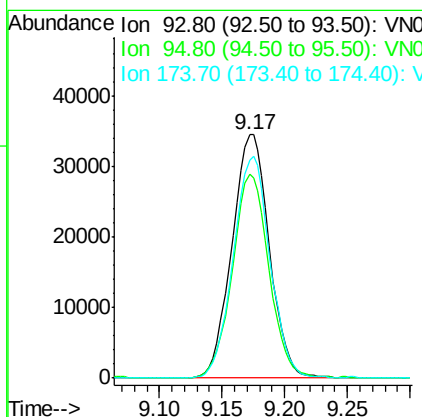
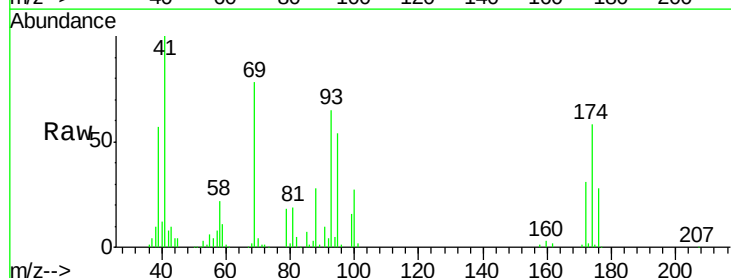
Manual Integrations
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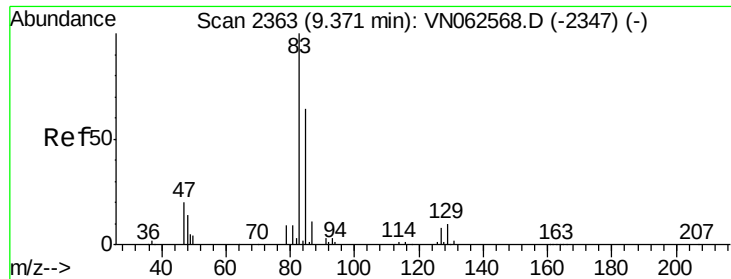
MMDadoda
 8/3/2020 9:31:52 AM



#46
 Dibromomethane
 Concen: 52.753 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion: 93 Resp: 71323
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.6 101.4
 174 89.7 72.5 108.7





#47

Bromodichloromethane

Concen: 53.829 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

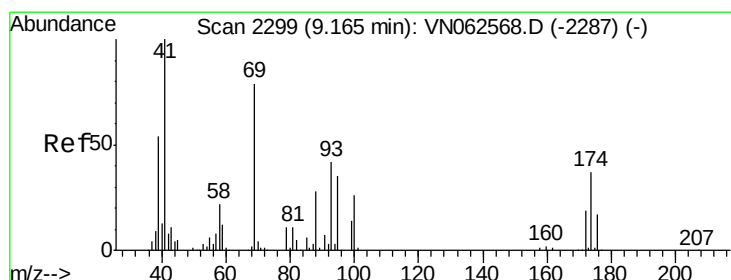
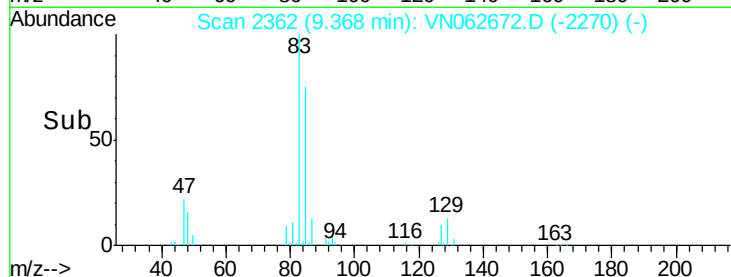
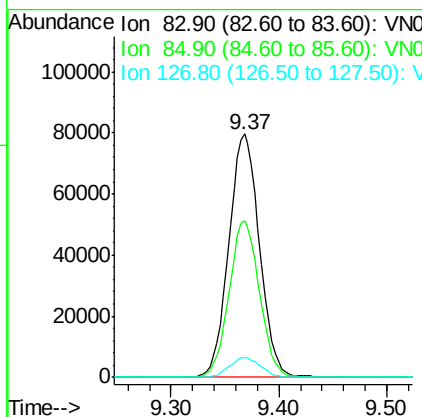
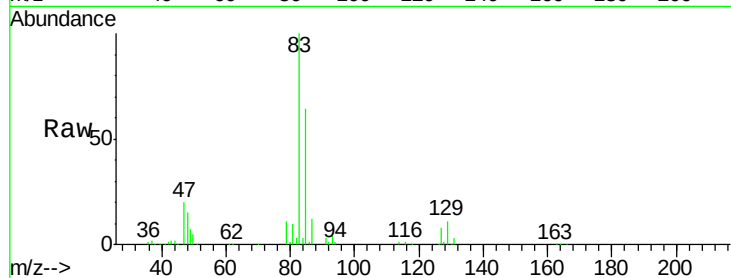
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	157671
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	8.3	6.2	9.2

Manual Integrations
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MMDadoda
8/3/2020 9:31:52 AM



#48

Methyl methacrylate

Concen: 50.674 ug/l

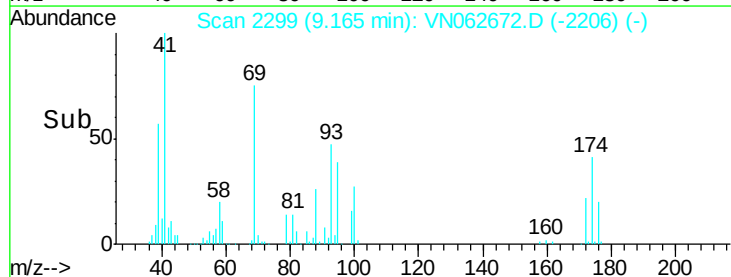
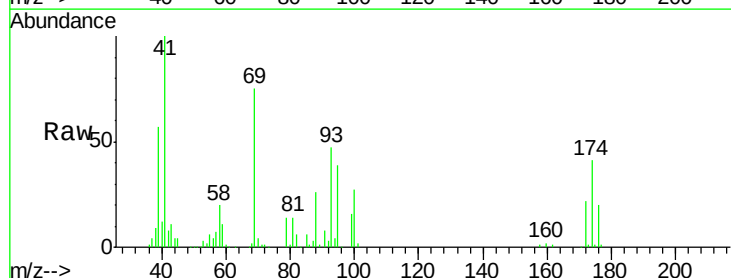
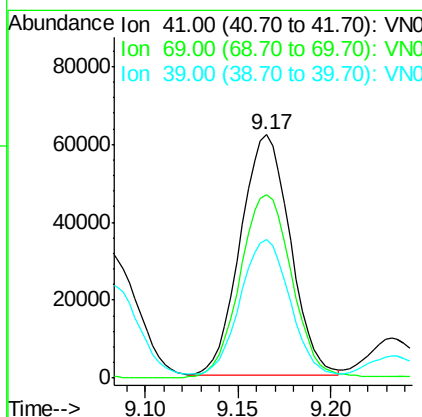
RT: 9.17 min Scan# 2299

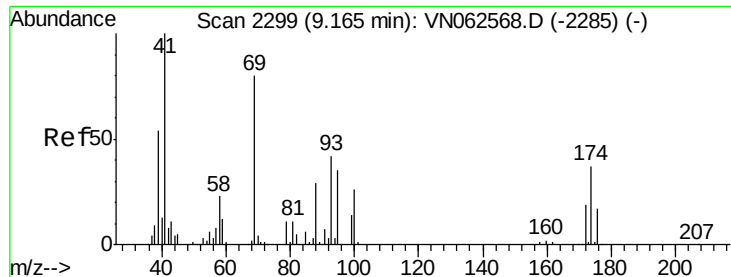
Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Tgt Ion:	41	Resp:	115196
Ion	Ratio	Lower	Upper
41	100		
69	79.9	64.4	96.6
39	58.6	43.5	65.3





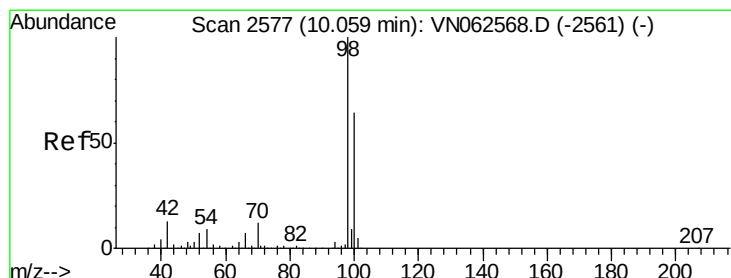
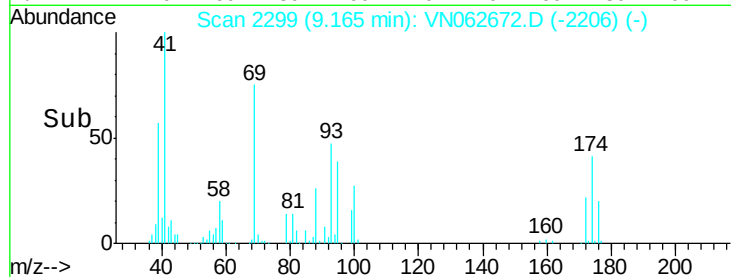
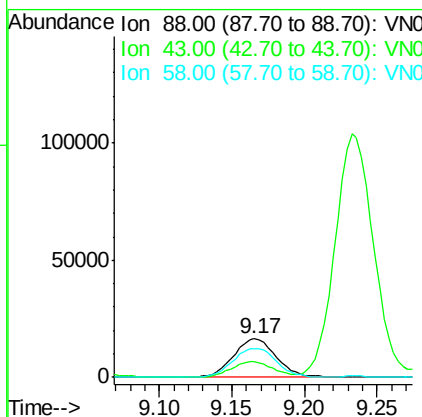
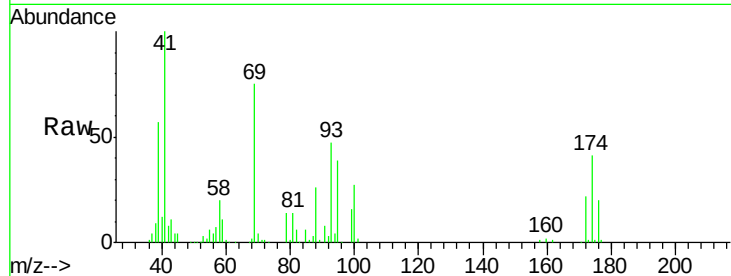
#49
1,4-Dioxane
Concen: 978.663 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	32.0	48.0
58	76.0	62.8	94.2

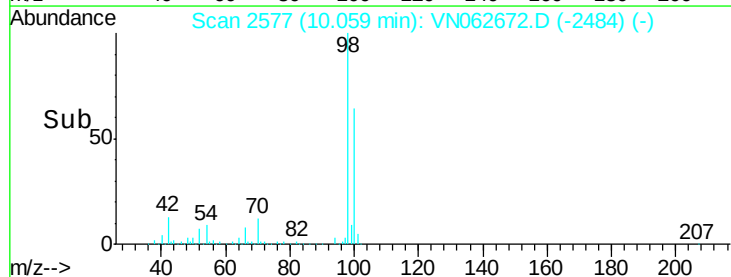
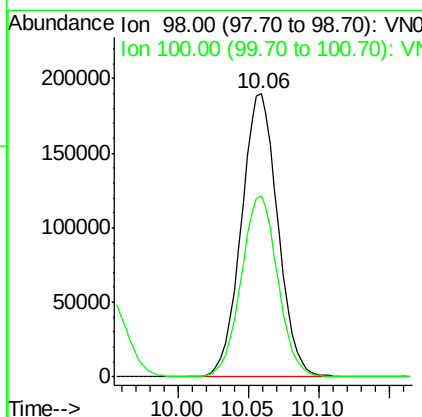
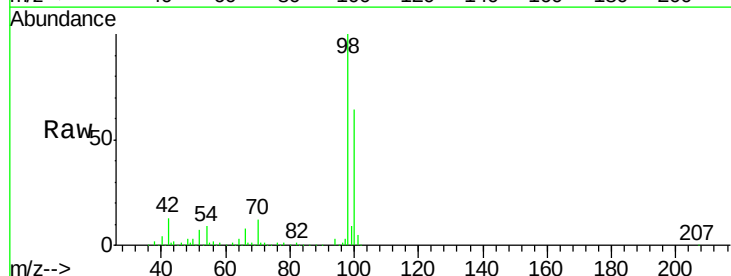
Manual Integrations
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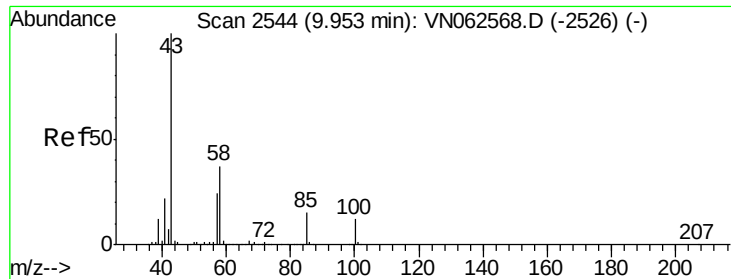
MMDadoda
8/3/2020 9:31:52 AM



#50
Toluene-d8
Concen: 50.829 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





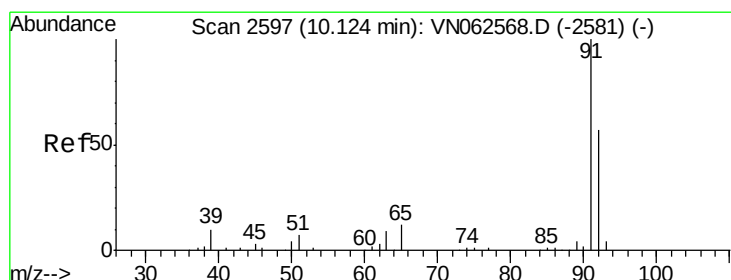
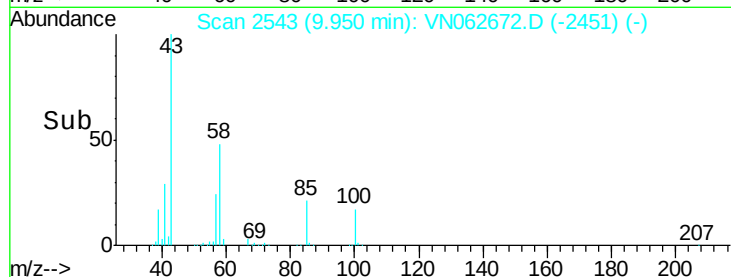
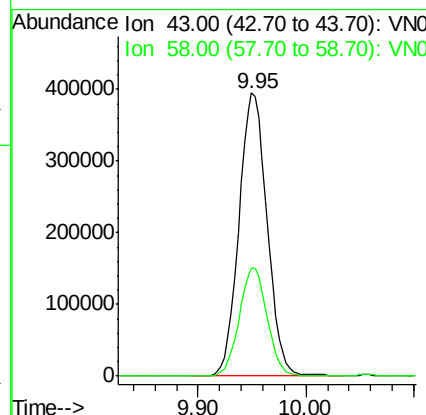
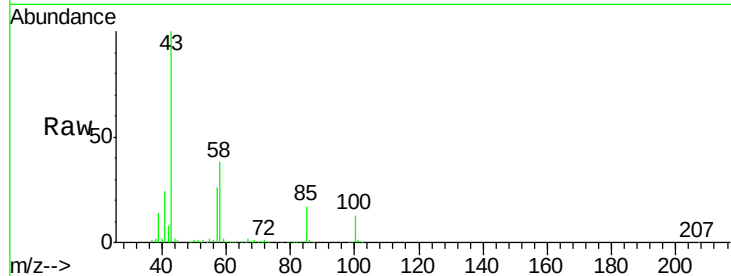
#51
4-Methyl-2-Pentanone
Concen: 251.119 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	718542
Ion Ratio	100	Lower	Upper
43	100		
58	38.0	29.8	44.6

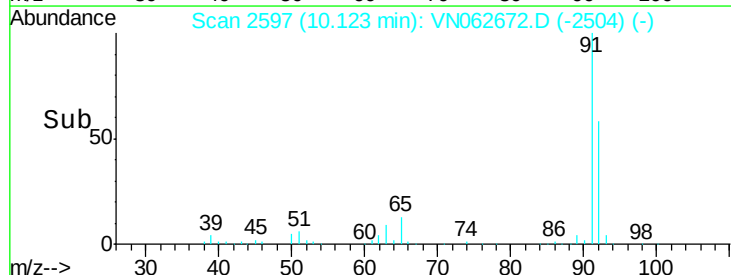
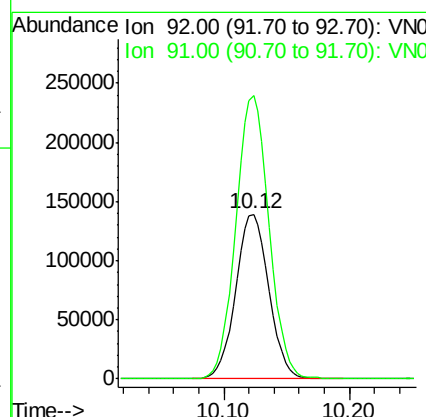
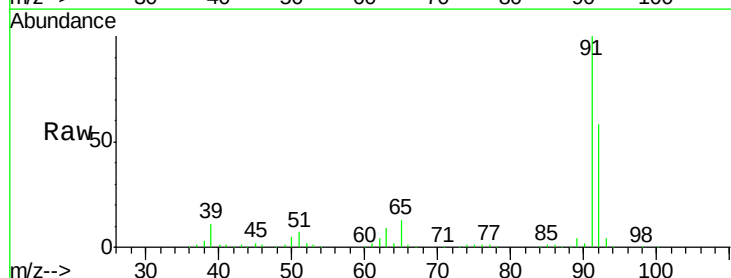
Manual Integrations
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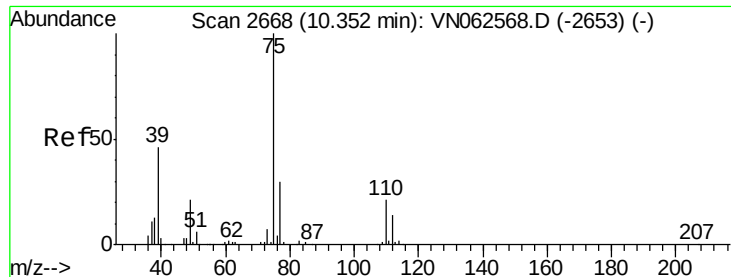
MMDadoda
8/3/2020 9:31:52 AM



#52
Toluene
Concen: 52.734 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	92	Resp	255116
Ion Ratio	100	Lower	Upper
92	100		
91	172.9	139.4	209.2





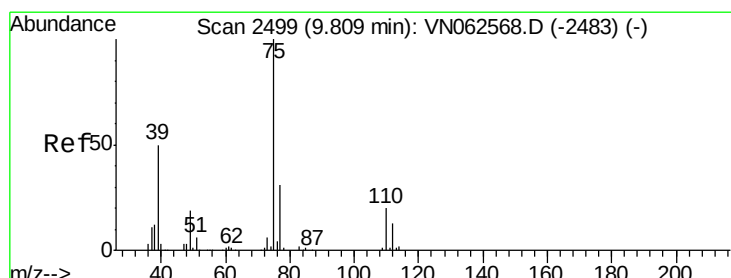
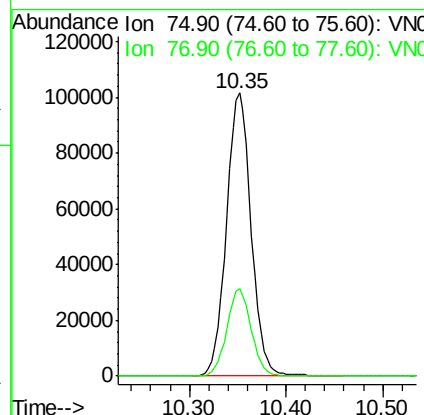
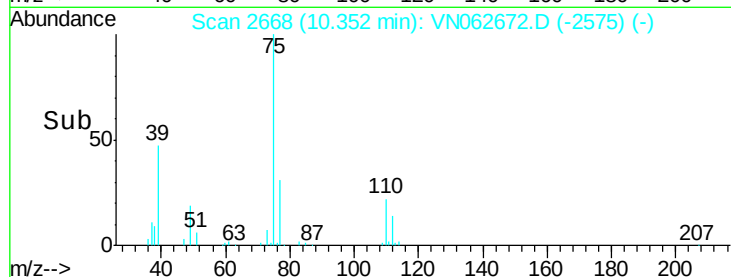
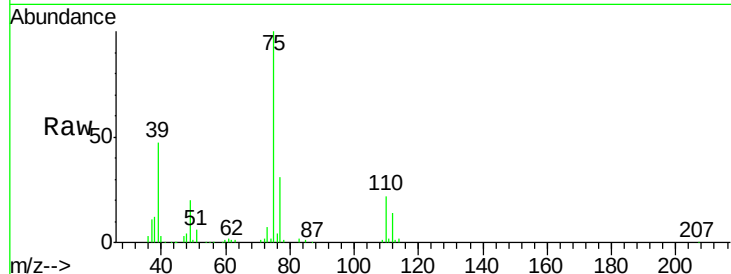
#53
t-1,3-Dichloropropene
Concen: 55.064 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.3	36.5

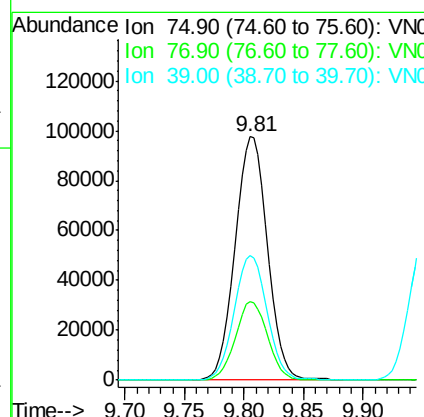
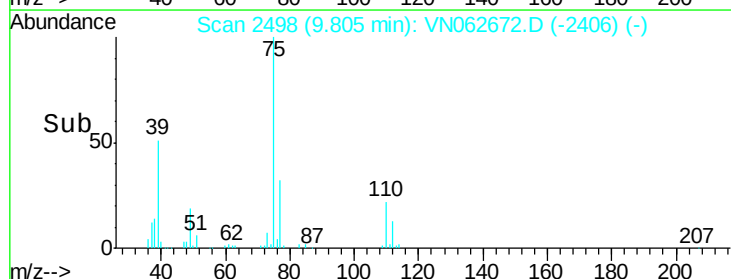
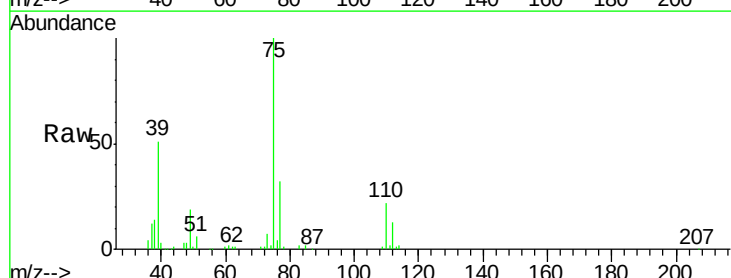
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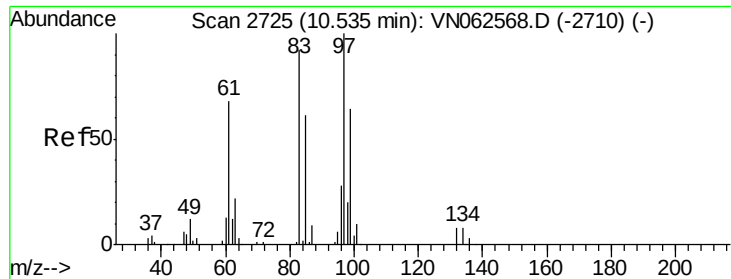
MMDadoda
8/3/2020 9:31:52 AM



#54
cis-1,3-Dichloropropene
Concen: 52.677 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6
39	51.0	39.8	59.8





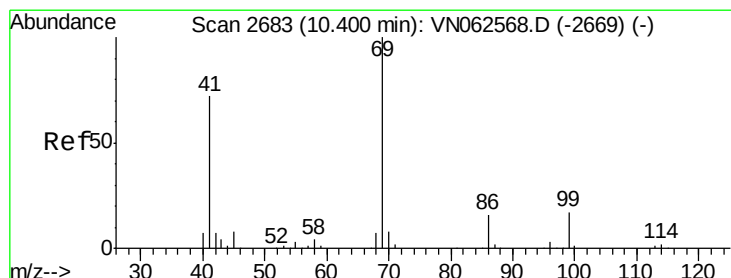
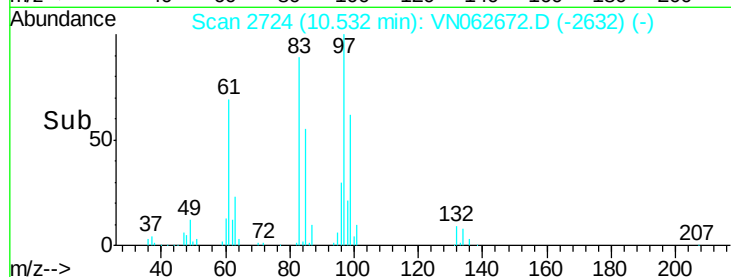
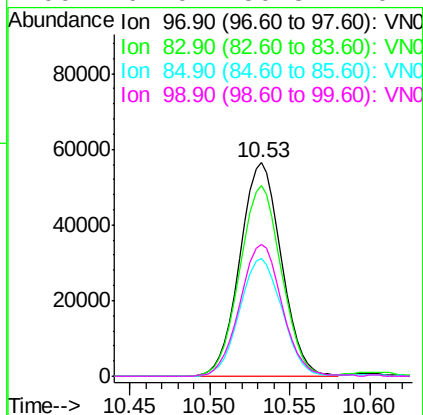
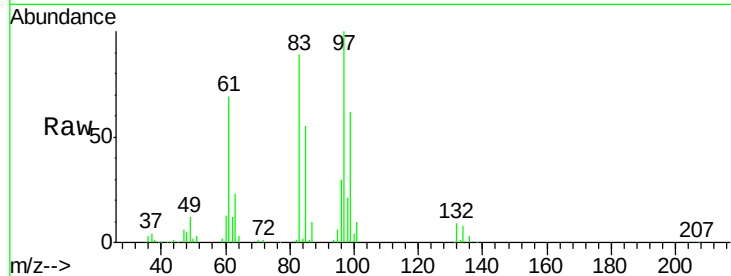
#55
 1,1,2-Trichloroethane
 Concen: 53.287 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.3	73.7	110.5
85	55.2	48.5	72.7
99	62.0	50.8	76.2

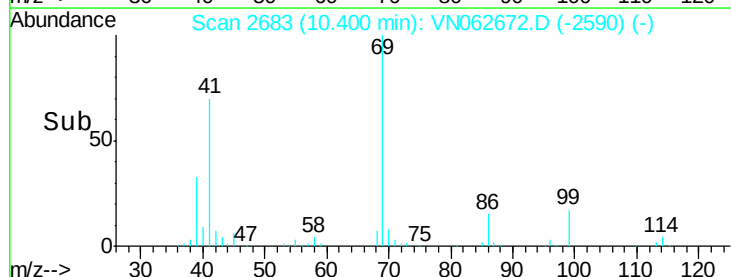
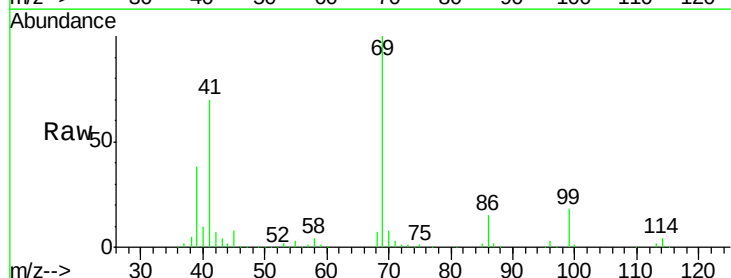
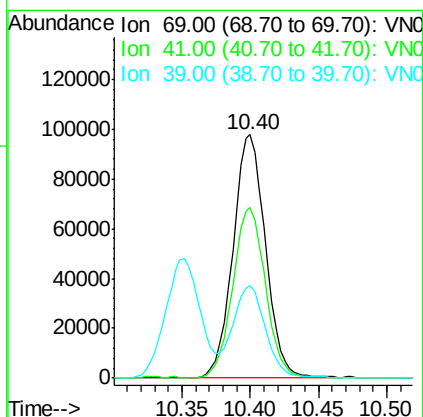
Manual Integrations
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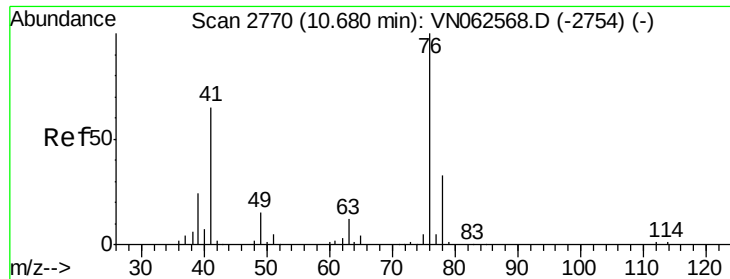
MMDadoda
 8/3/2020 9:31:52 AM



#56
 Ethyl methacrylate
 Concen: 48.020 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.0	57.2	85.8
39	38.5	28.6	43.0





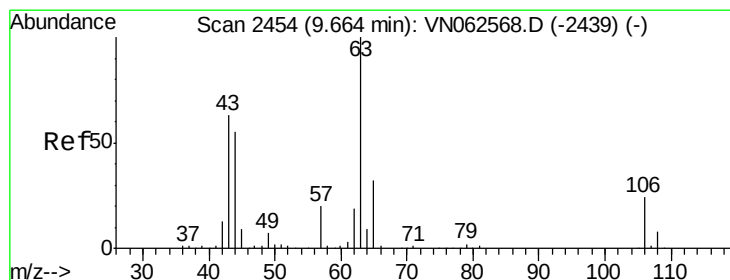
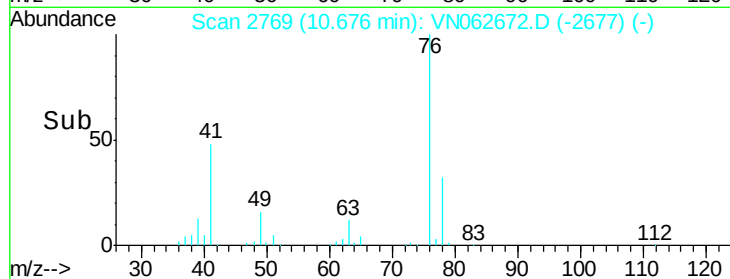
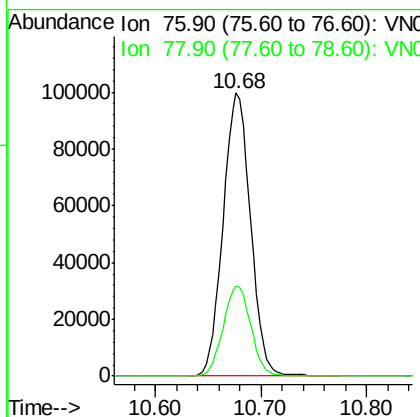
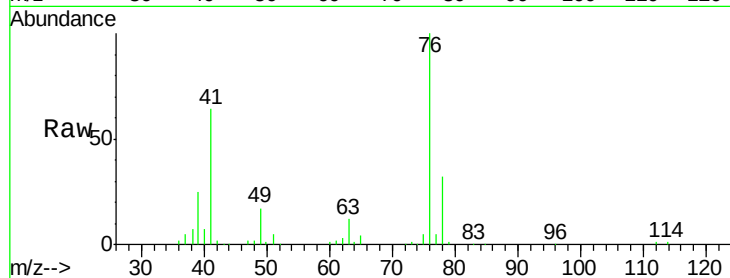
#57
 1,3-Dichloropropane
 Concen: 52.182 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

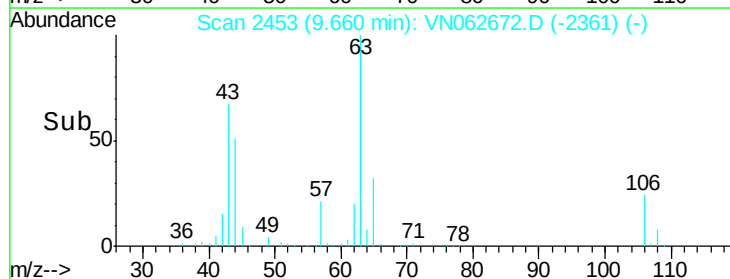
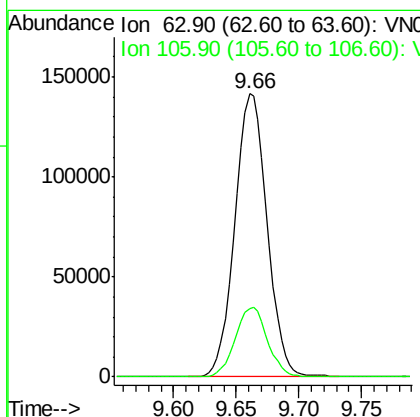
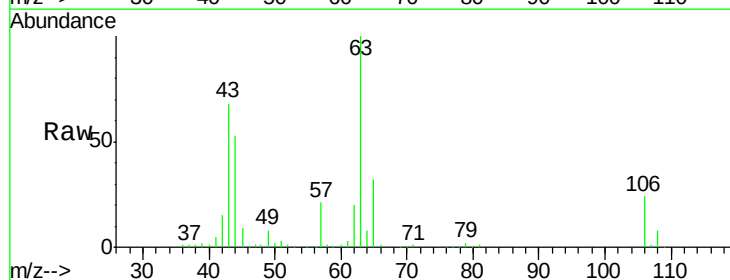
Manual Integrations
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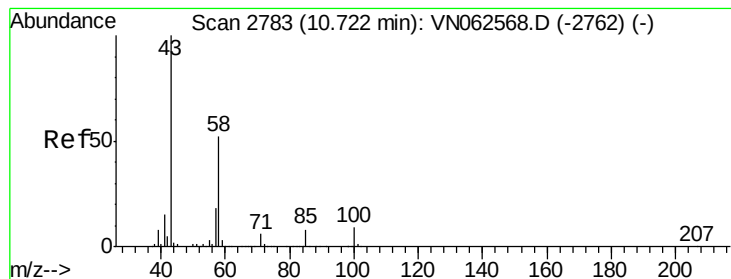
MMDadoda
 8/3/2020 9:31:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.260 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	18.9	28.3





#59

2-Hexanone

Concen: 251.801 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 557256

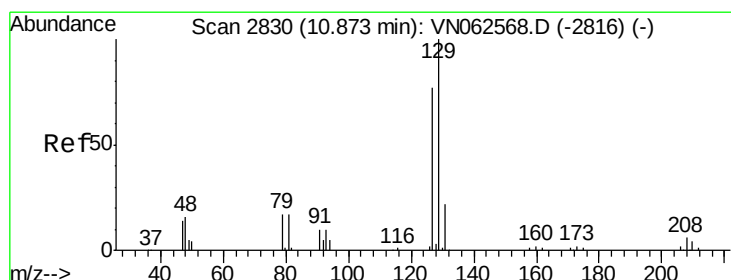
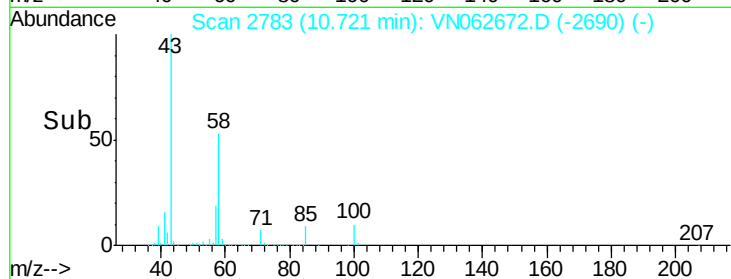
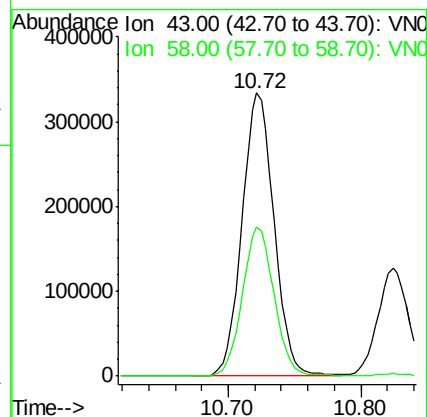
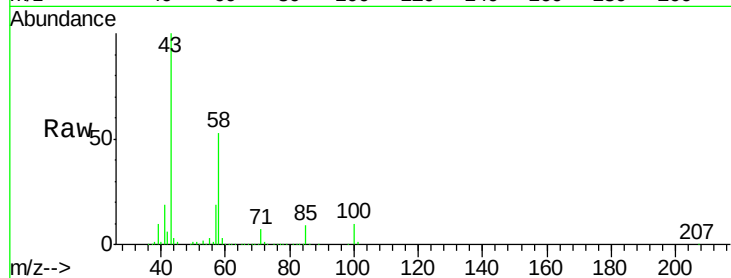
Ion Ratio Lower Upper

43 100

58 52.7 26.0 78.0

Manual Integrations
APPROVED

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#60

Dibromochloromethane

Concen: 56.888 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN062672.D

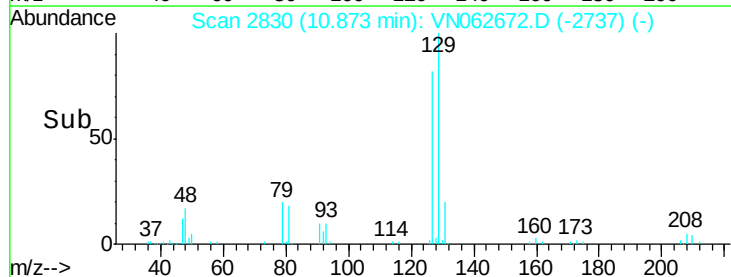
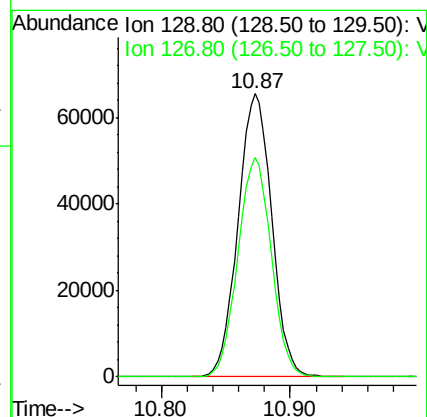
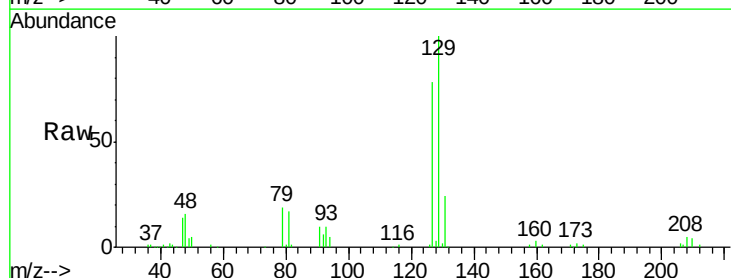
Acq: 31 Jul 2020 9:14

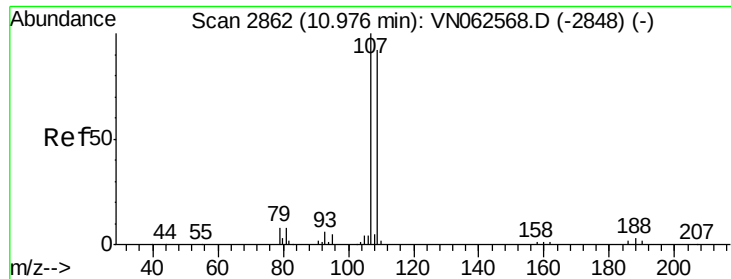
Tgt Ion: 129 Resp: 119093

Ion Ratio Lower Upper

129 100

127 76.7 38.0 113.9





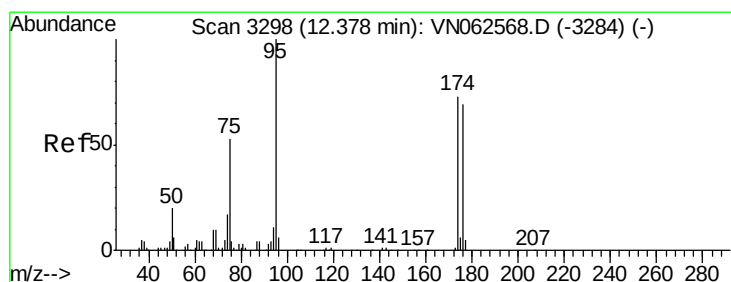
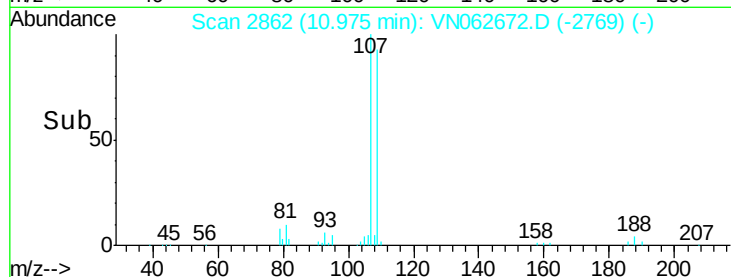
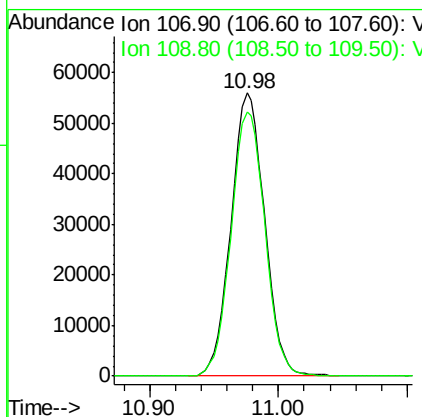
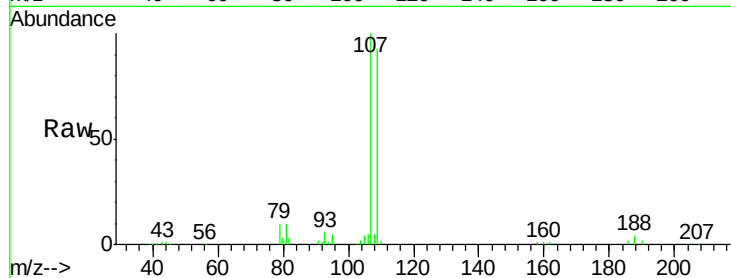
#61
 1,2-Dibromoethane
 Concen: 51.775 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.6

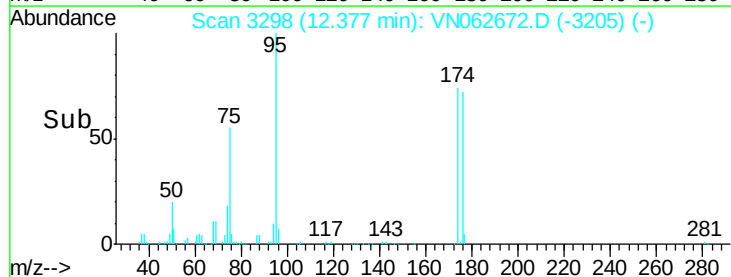
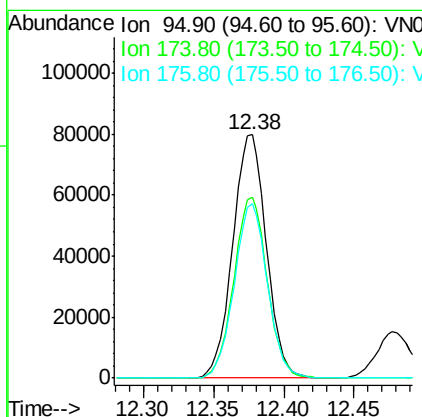
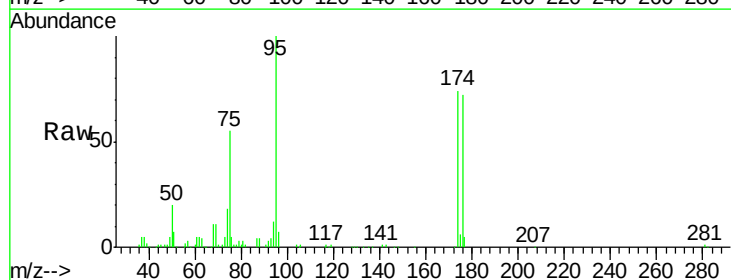
Manual Integrations
 APPROVED

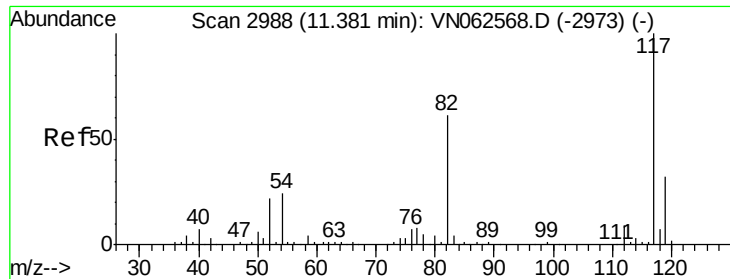
MMDadoda
 8/3/2020 9:31:52 AM



#62
 4-Bromofluorobenzene
 Concen: 54.004 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	144.6
176	70.6	0.0	139.4





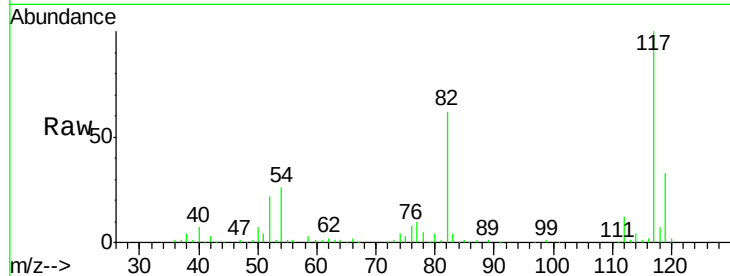
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.0	73.6
119	32.9	25.4	38.2

Manual Integrations
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MMDadoda
8/3/2020 9:31:52 AM

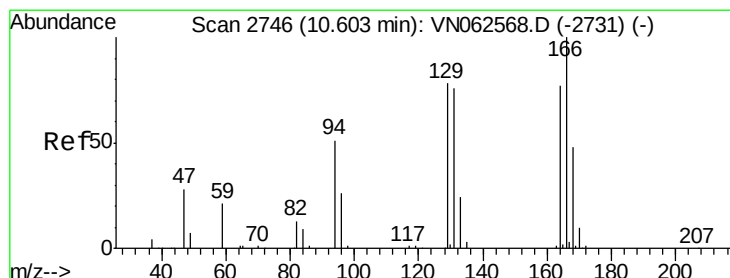
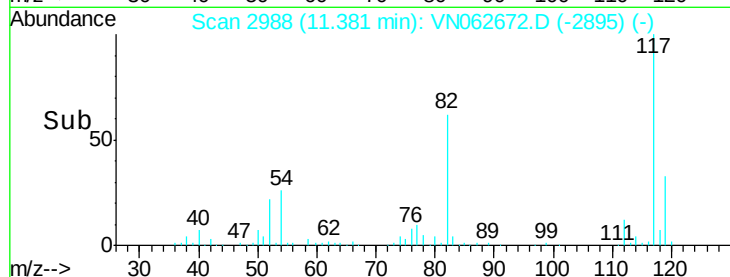
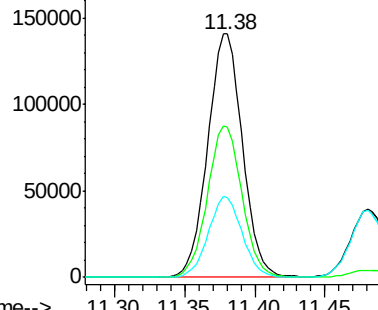


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 53.553 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	104.4	156.6
129	103.7	81.0	121.4
131	95.8	79.4	119.2

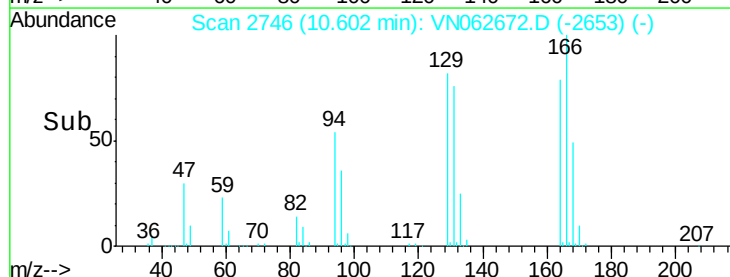
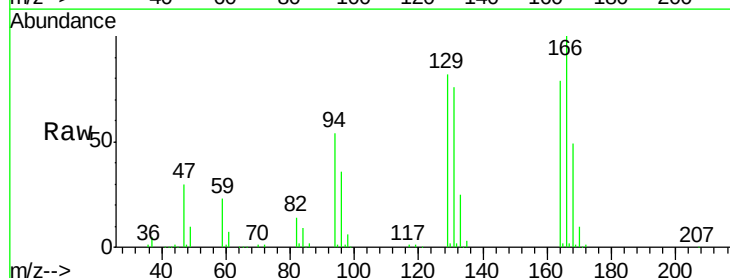
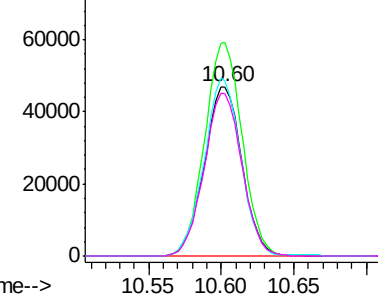
Abundance

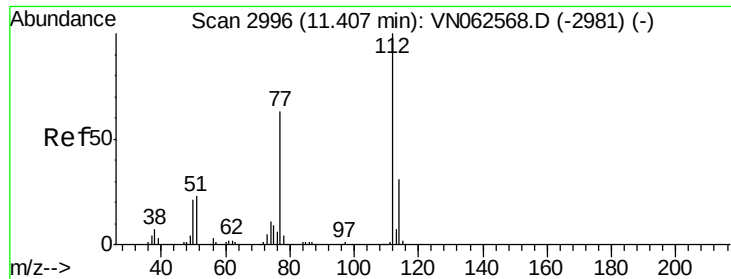
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





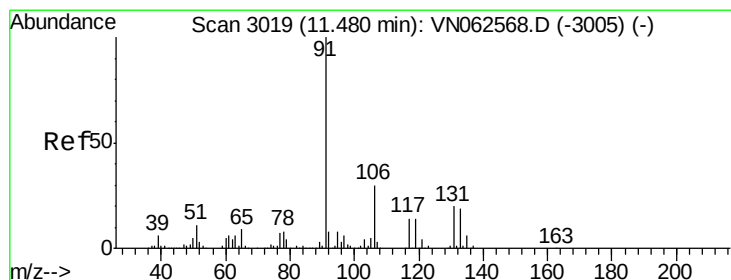
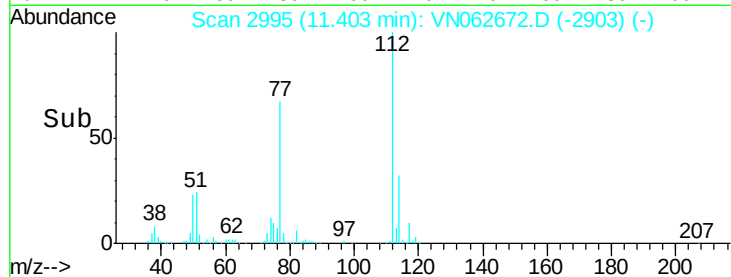
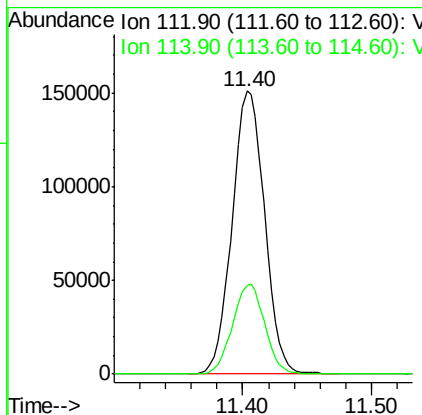
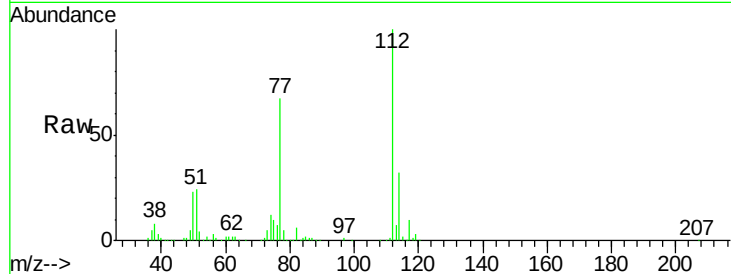
#65
Chlorobenzene
Concen: 51.818 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	264481		
114	31.6	25.1	37.7	

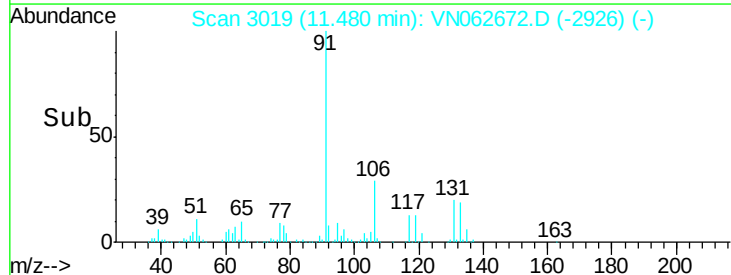
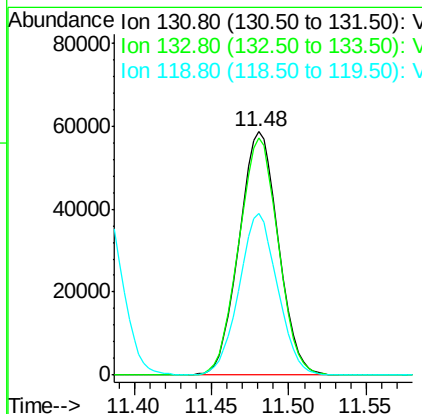
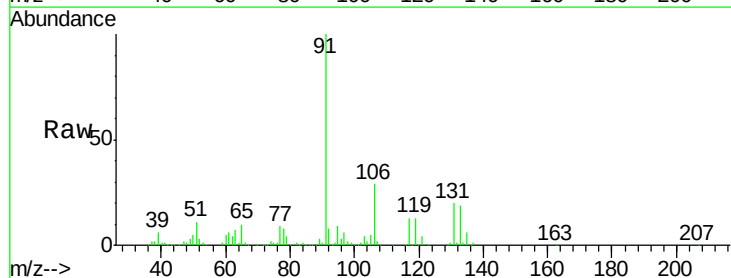
Manual Integrations
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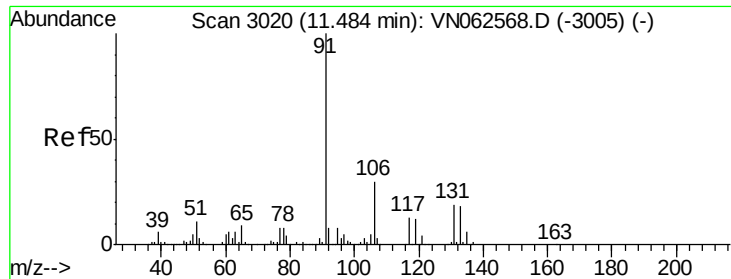
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.861 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	103420		
133	97.8	47.3	142.0	
119	65.3	33.7	101.0	





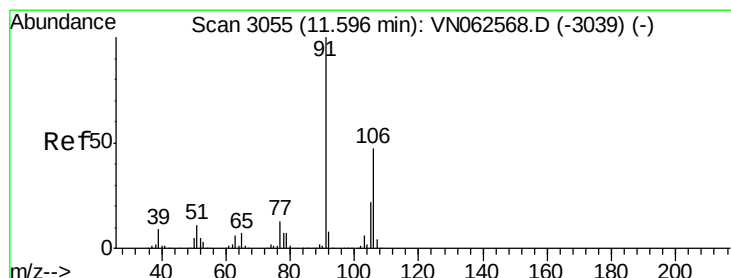
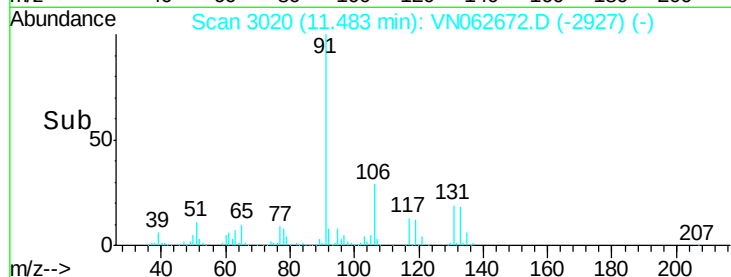
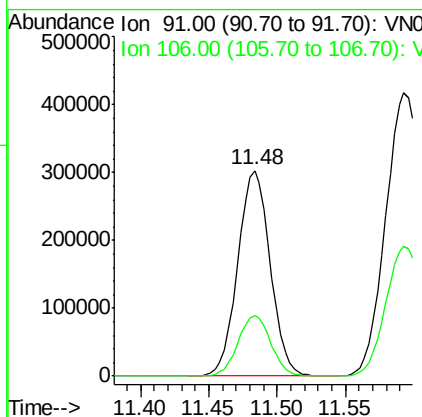
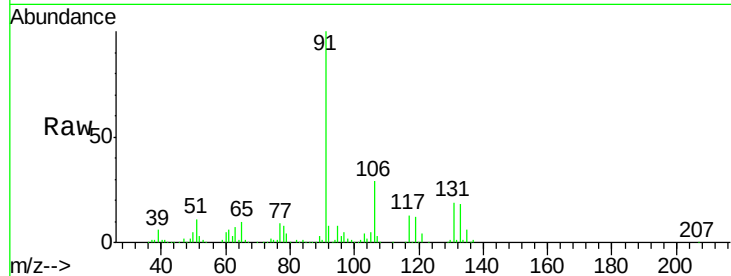
#67
Ethyl Benzene
Concen: 53.575 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.8

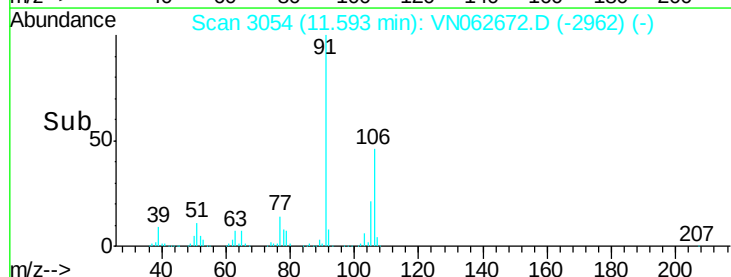
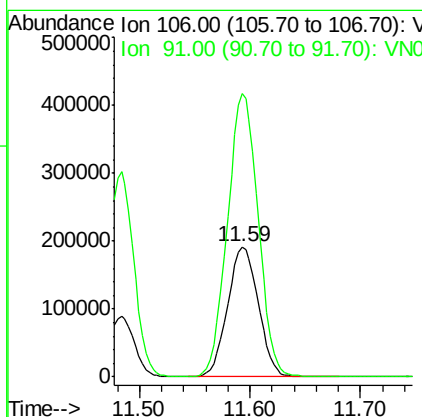
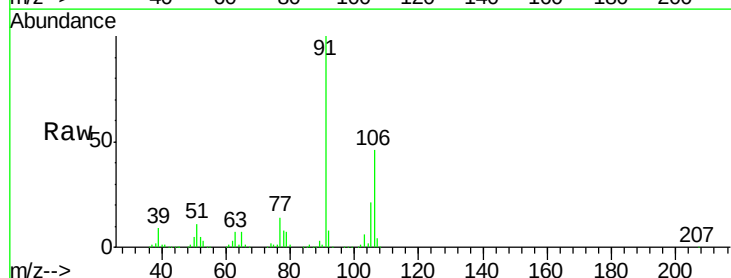
Manual Integrations
APPROVED

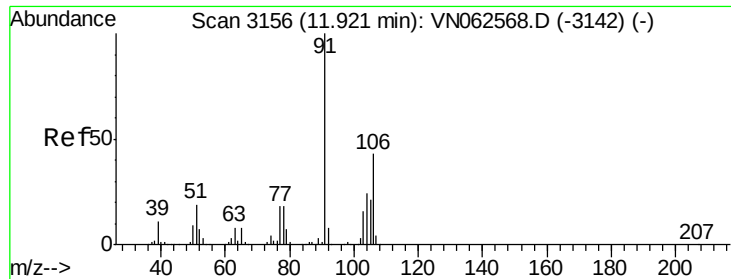
MMDadoda
8/3/2020 9:31:52 AM



#68
m/p-Xylenes
Concen: 110.214 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.6	171.4	257.2





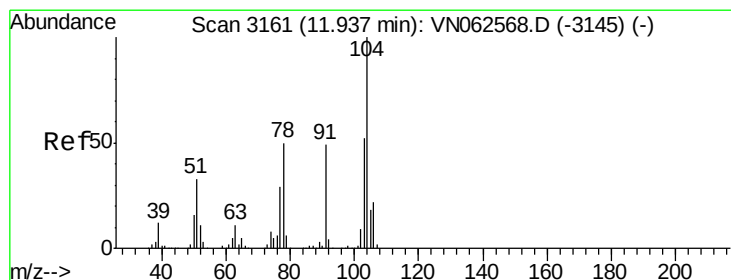
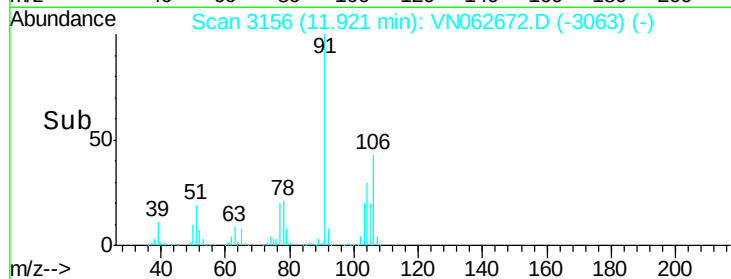
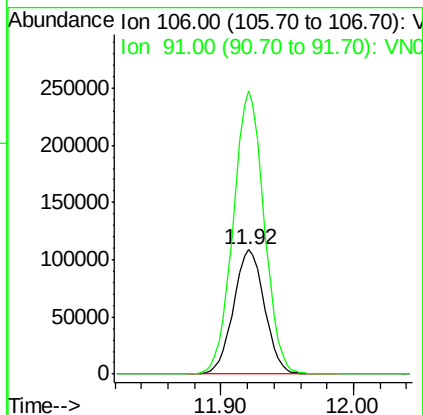
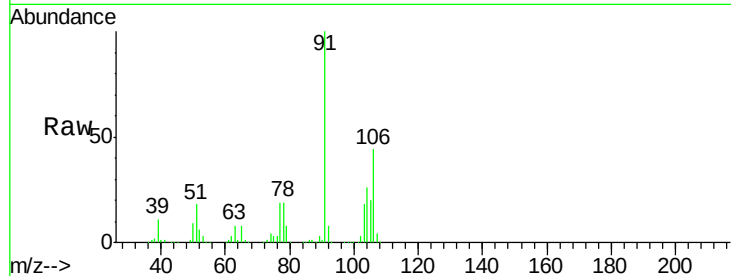
#69
o-Xylene
Concen: 55.601 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		177596		
91	225.7	113.8	341.2		

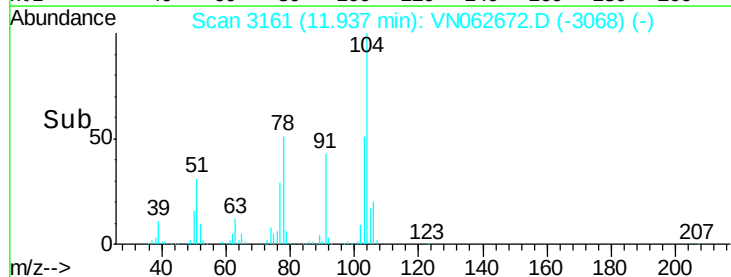
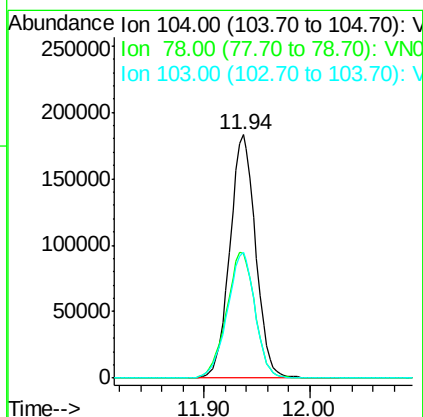
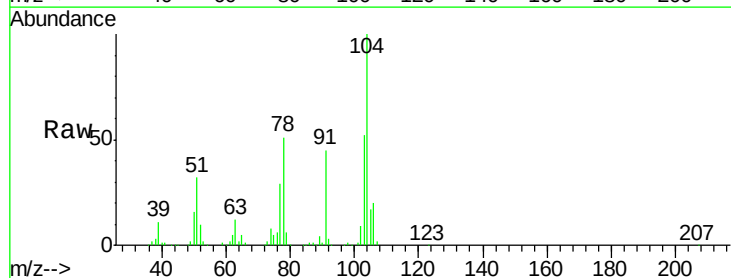
Manual Integrations
APPROVED

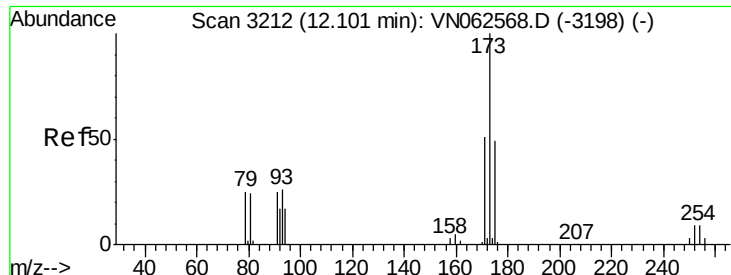
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#70
Styrene
Concen: 57.254 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		308923		
78	57.2	43.8	65.6		
103	55.6	44.0	66.0		





#71

Bromoform

Concen: 56.836 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 81940

Ion Ratio Lower Upper

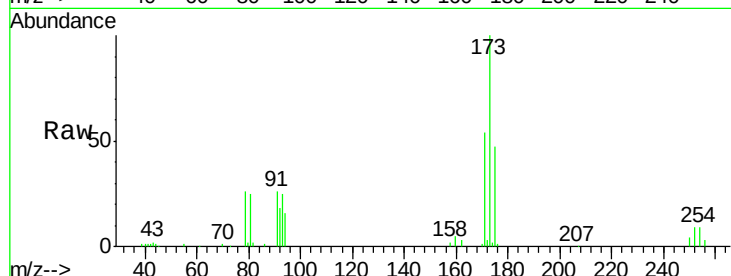
173 100

175 48.0 24.1 72.2

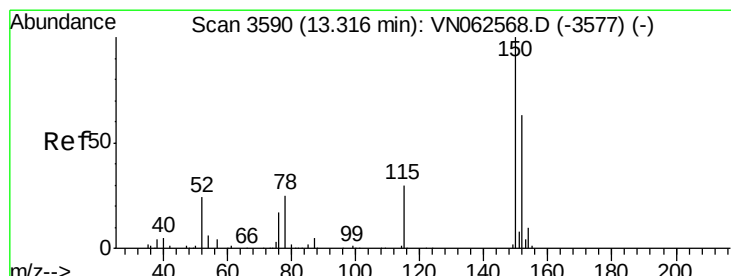
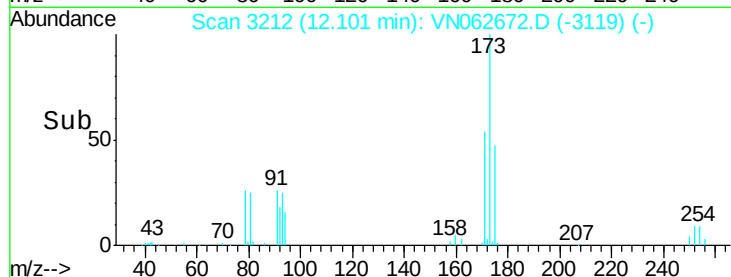
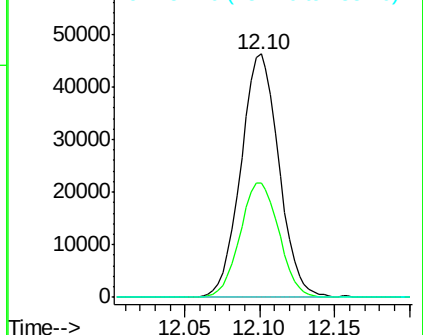
254 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

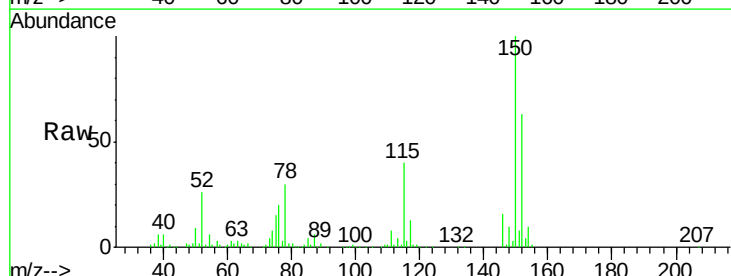
Tgt Ion:152 Resp: 122546

Ion Ratio Lower Upper

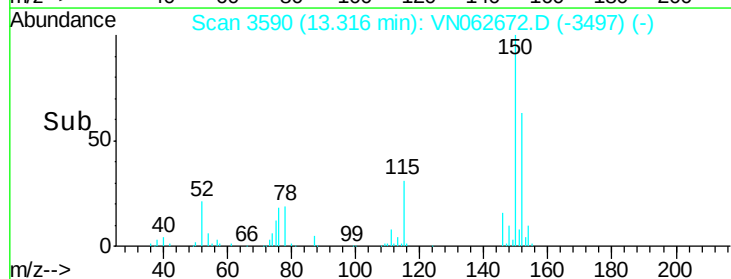
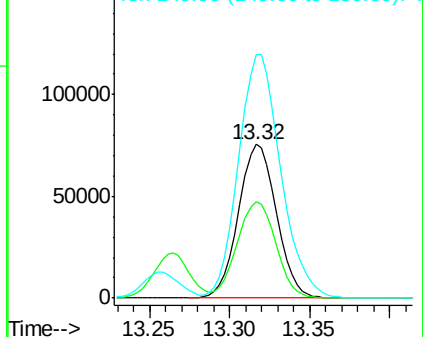
152 100

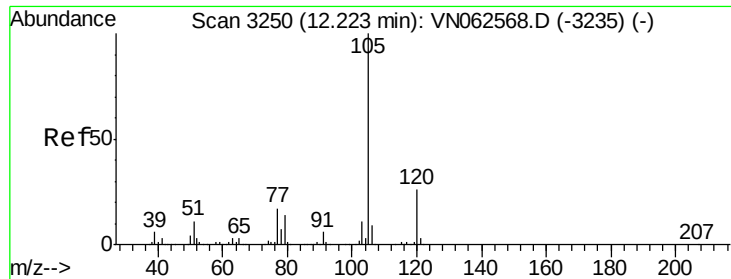
115 63.9 31.8 95.4

150 175.7 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





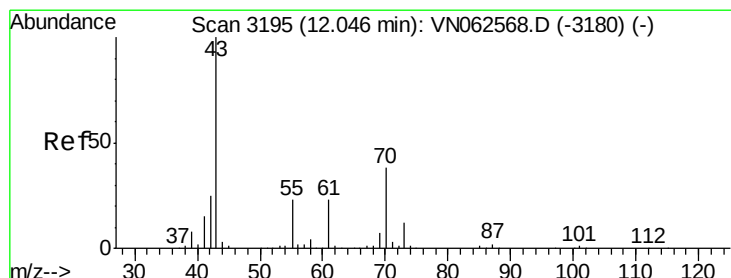
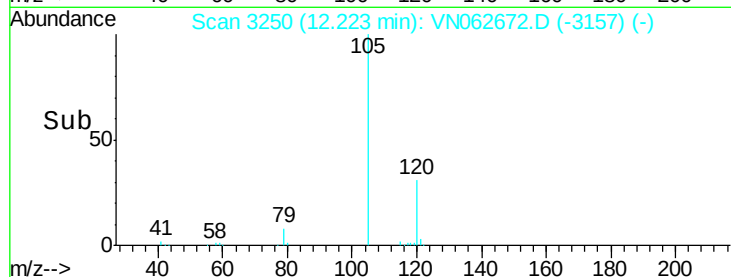
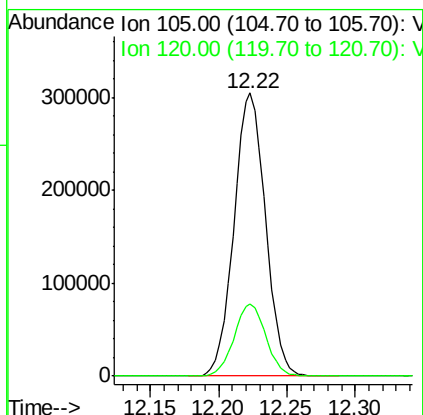
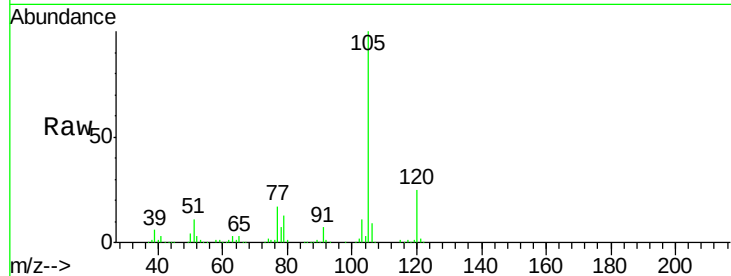
#73
Isopropylbenzene
Concen: 50.405 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

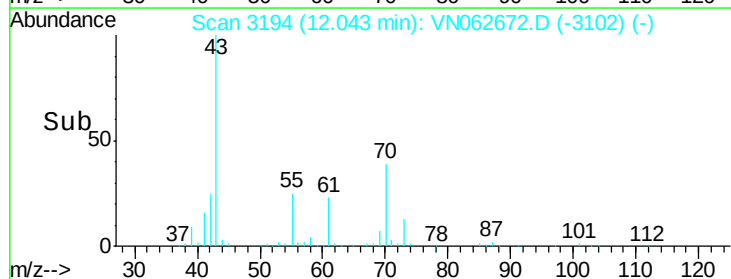
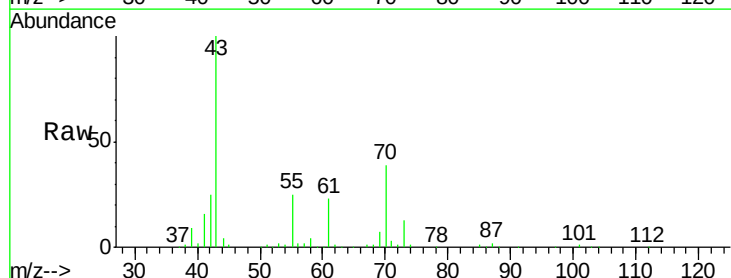
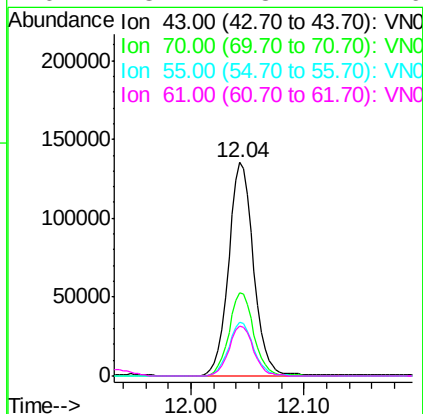
Manual Integrations
APPROVED

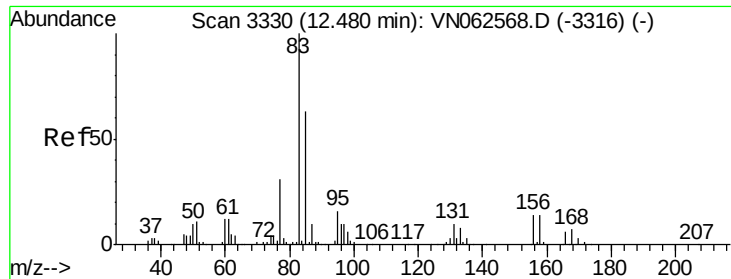
MMDadoda
8/3/2020 9:31:52 AM



#74
N-ethyl acetate
Concen: 47.764 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.1	30.5	45.7
55	25.3	19.0	28.6
61	23.2	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.441 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

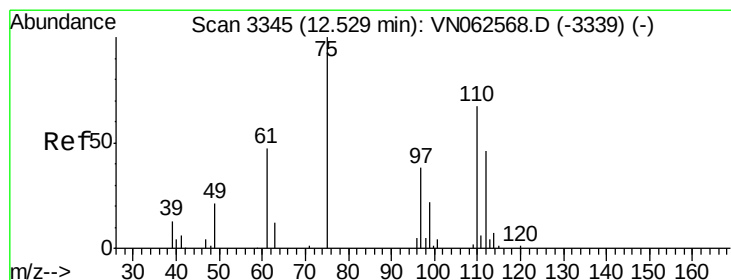
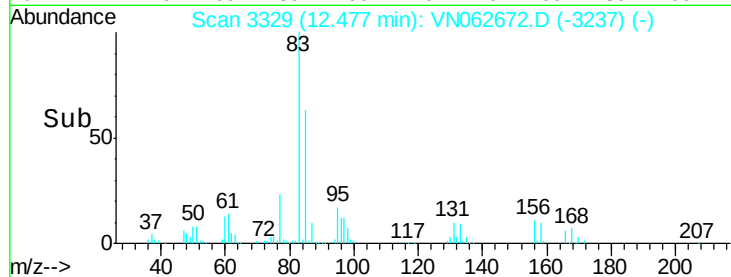
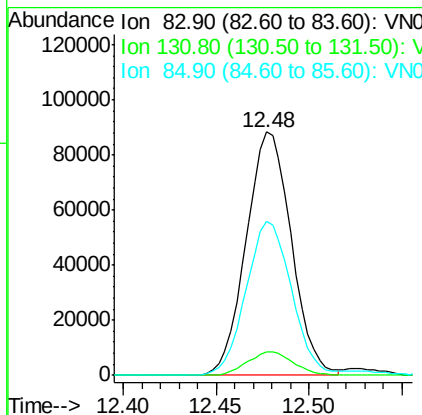
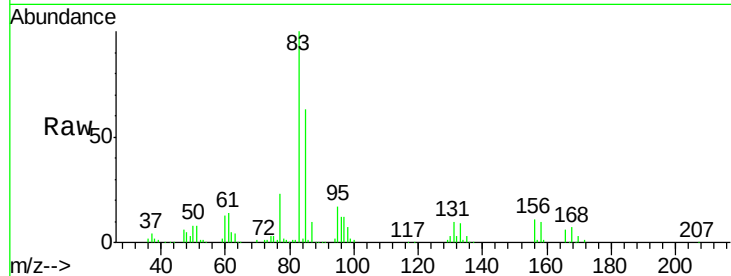
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	149641
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.3
85	63.9	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.668 ug/l m

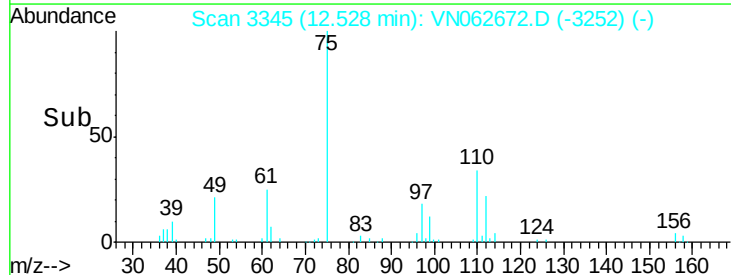
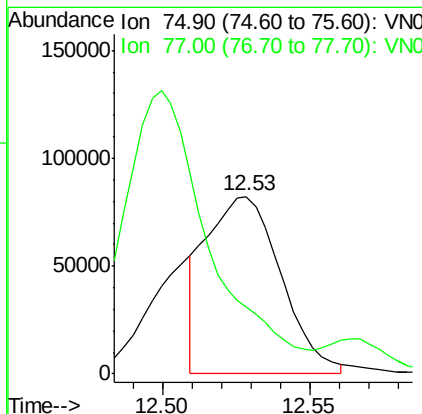
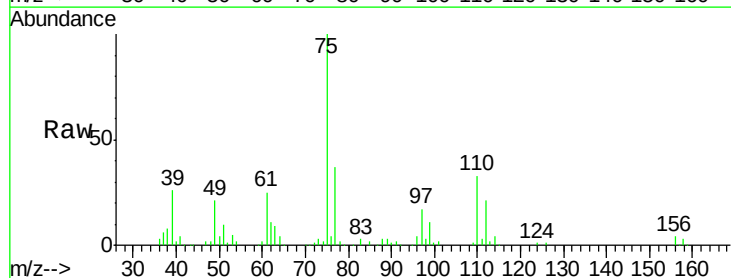
RT: 12.53 min Scan# 3345

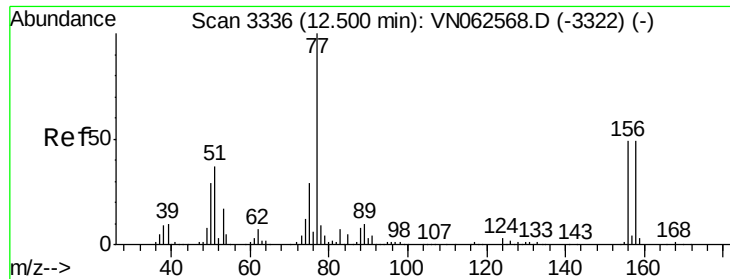
Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Tgt Ion:	75	Resp:	145567
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.779 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 113588

Ion Ratio Lower Upper

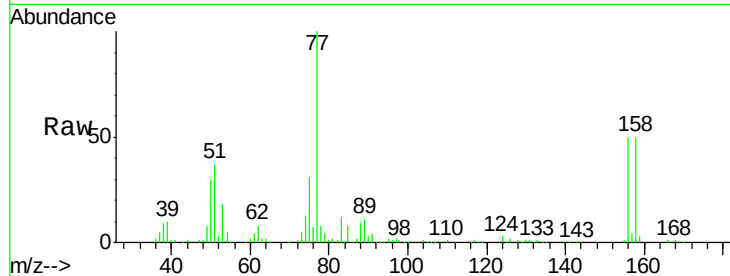
156 100

77 238.8 122.8 368.3

158 97.8 49.4 148.0

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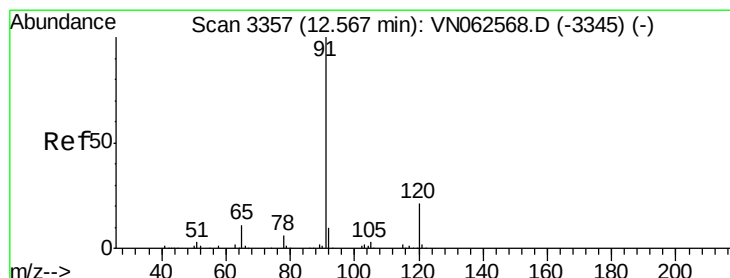
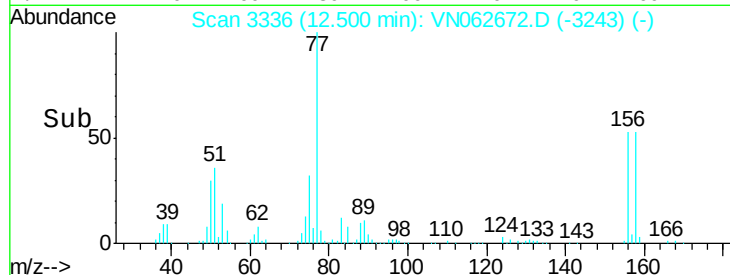
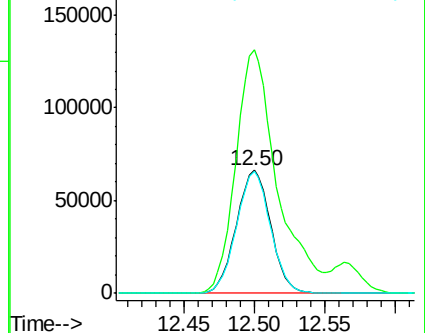
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.472 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062672.D

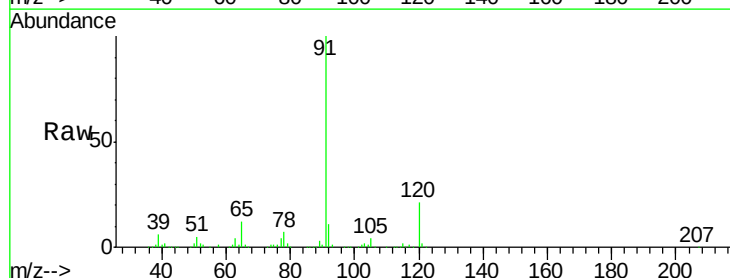
Acq: 31 Jul 2020 9:14

Tgt Ion: 91 Resp: 584220

Ion Ratio Lower Upper

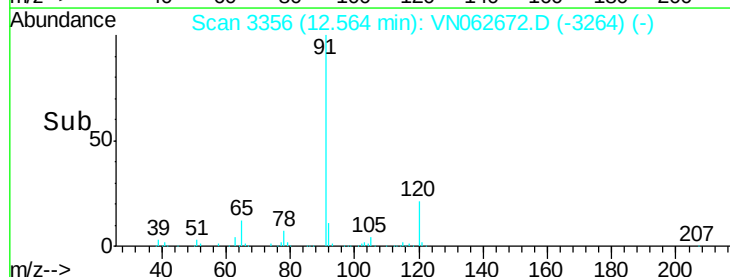
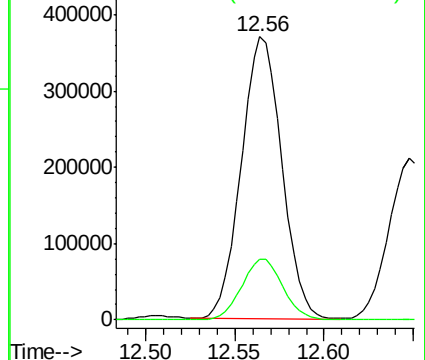
91 100

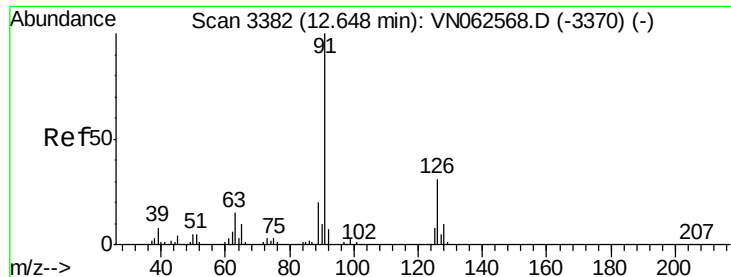
120 21.8 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.962 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 349484

Ion Ratio Lower Upper

91 100

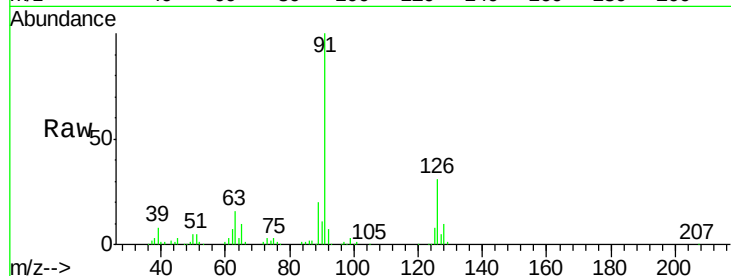
126 31.4 15.9 47.6

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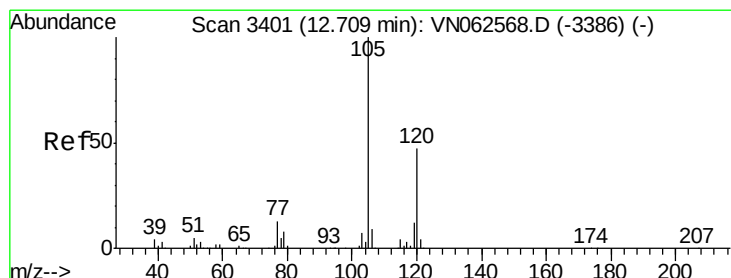
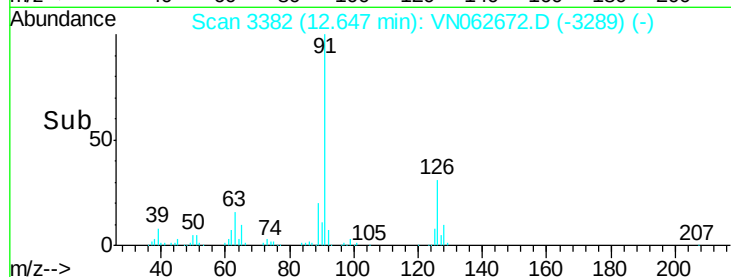
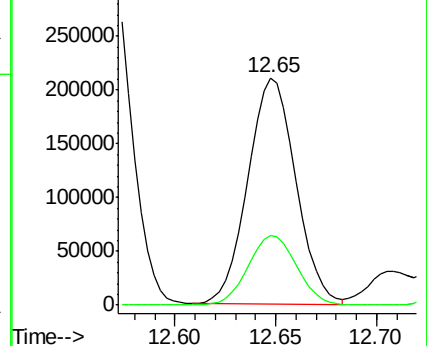
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Abundance Ion 91.00 (90.70 to 91.70): VN062672.D (-3389) (-)

Ion 125.90 (125.60 to 126.60): VN062672.D (-3389) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.688 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062672.D

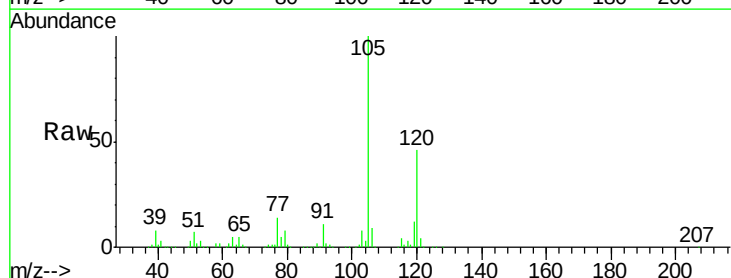
Acq: 31 Jul 2020 9:14

Tgt Ion: 105 Resp: 439566

Ion Ratio Lower Upper

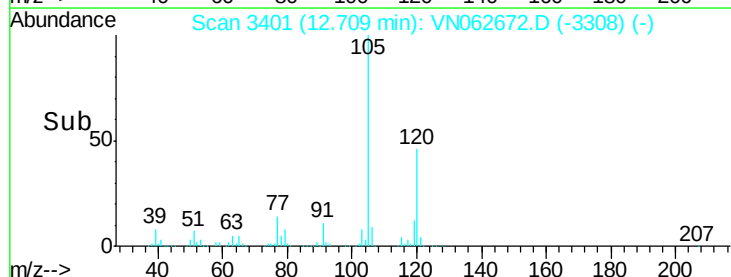
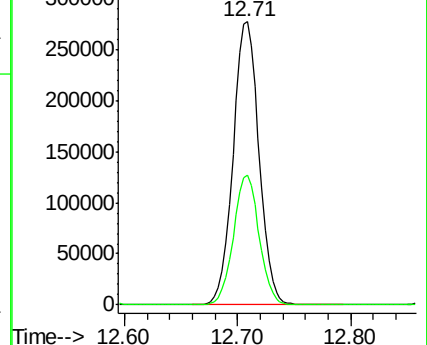
105 100

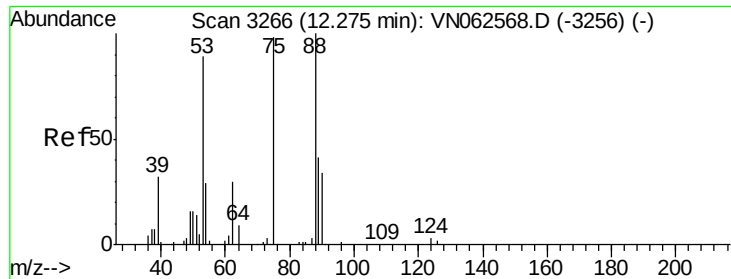
120 45.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062672.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062672.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.958 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Instrument :

MSVOA_N

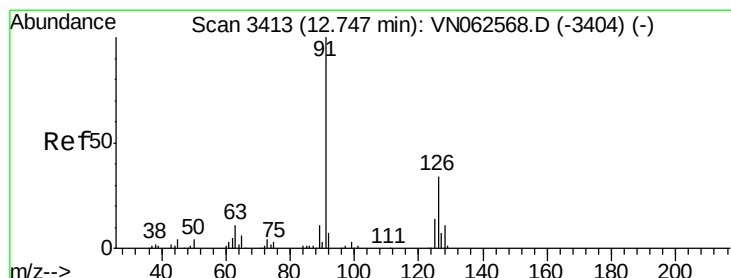
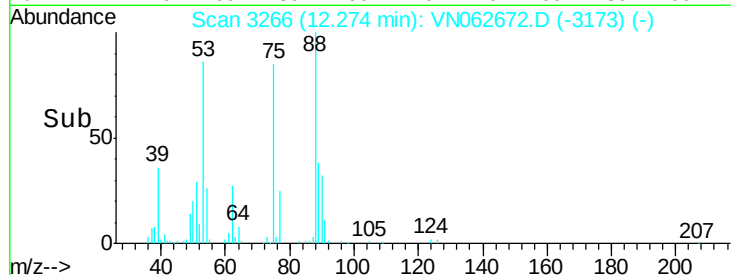
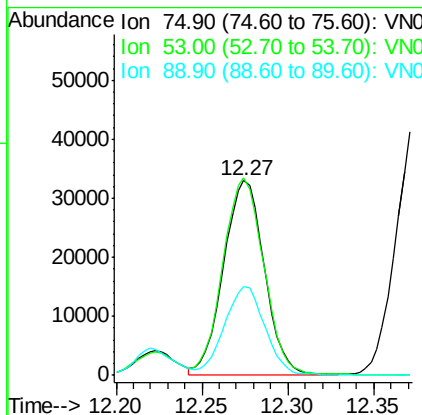
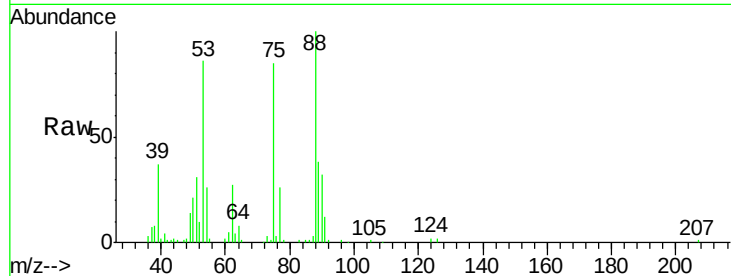
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	54858
Ion	Ratio	Lower	Upper
75	100		
53	101.9	75.4	113.0
89	45.0	34.5	51.7

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#82

4-Chlorotoluene

Concen: 50.865 ug/l

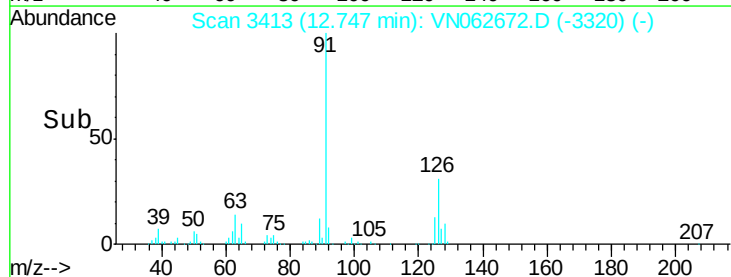
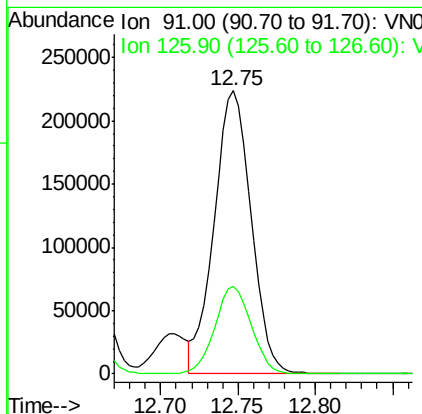
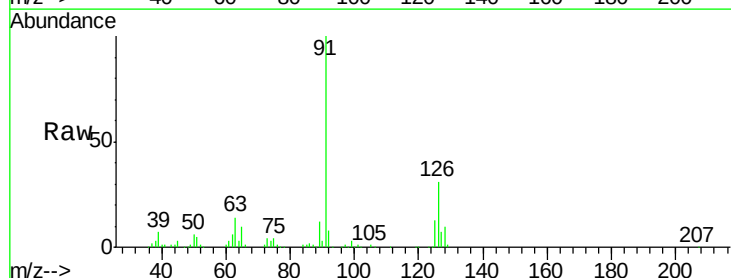
RT: 12.75 min Scan# 3413

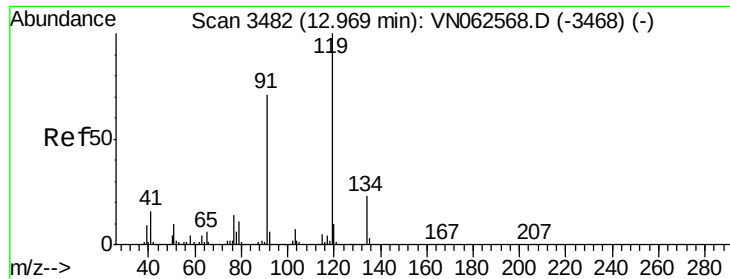
Delta R.T. -0.00 min

Lab File: VN062672.D

Acq: 31 Jul 2020 9:14

Tgt Ion:	91	Resp:	370345
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.4	46.4





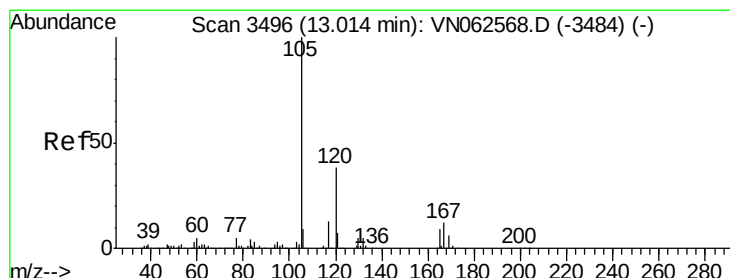
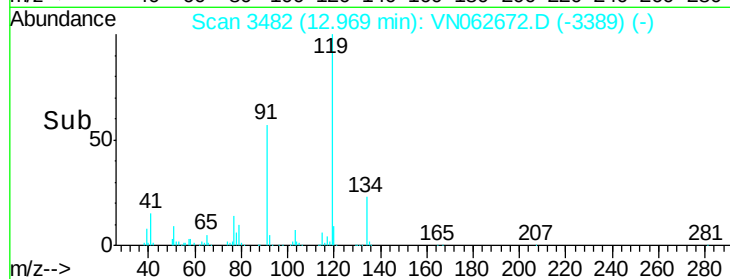
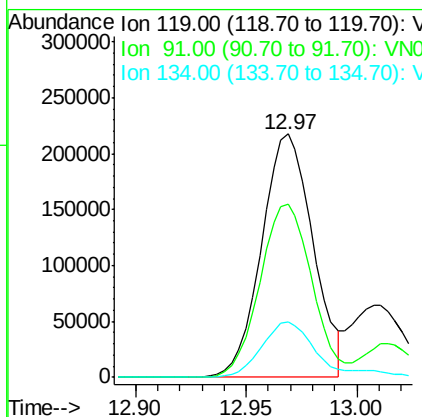
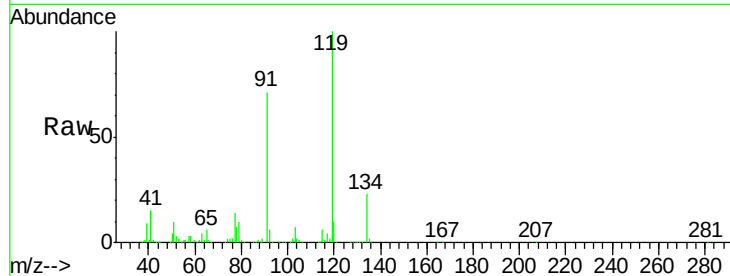
#83
 tert-Butylbenzene
 Concen: 52.483 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.2	34.6	103.8
134	25.1	11.5	34.4

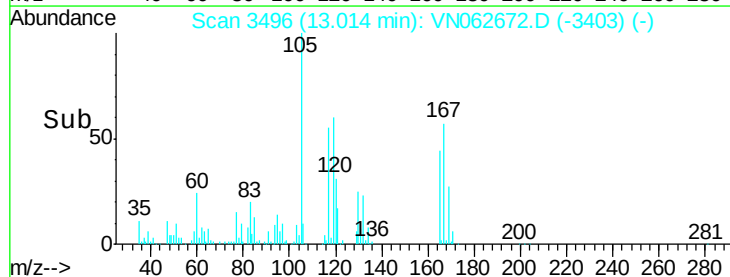
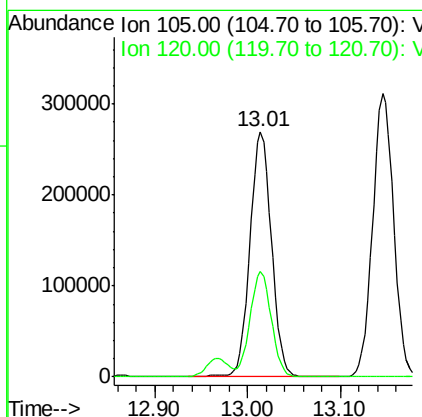
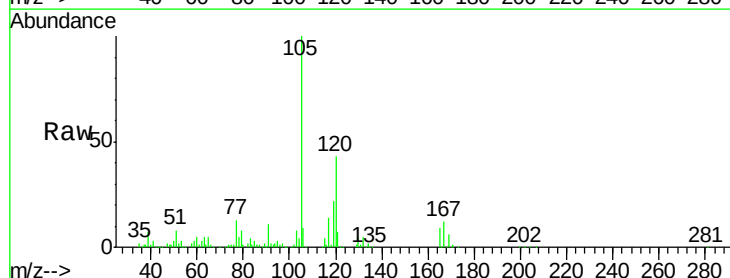
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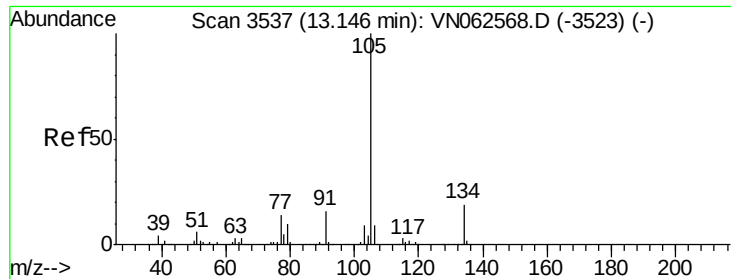
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.020 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.3	22.1	66.3





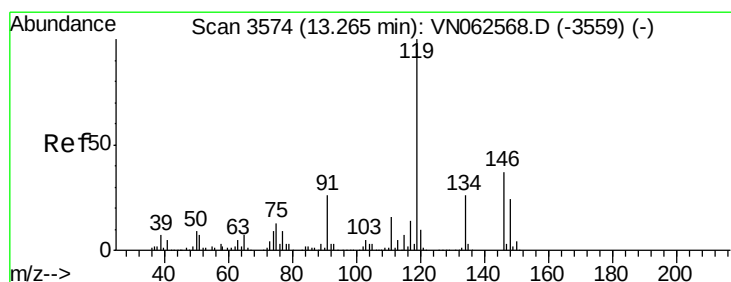
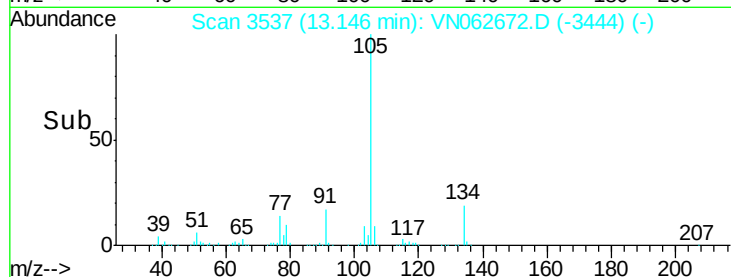
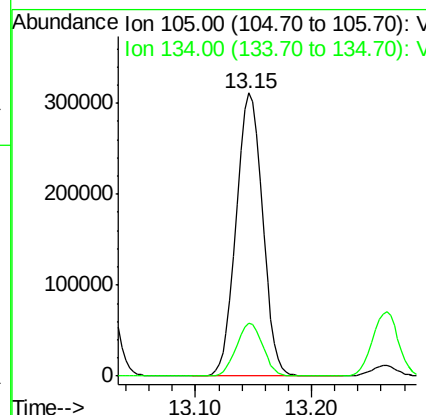
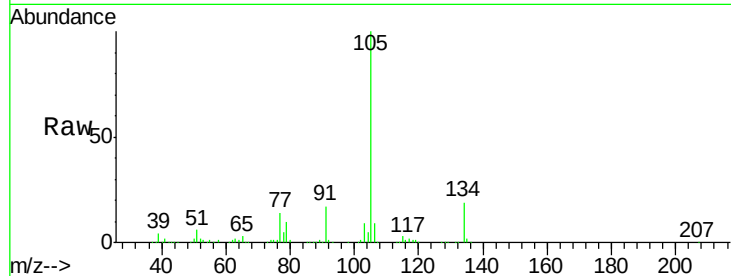
#85
 sec-Butylbenzene
 Concen: 54.697 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	488733		
134	18.8	9.5	28.5	

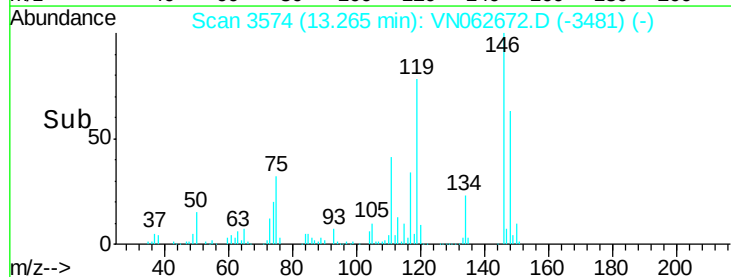
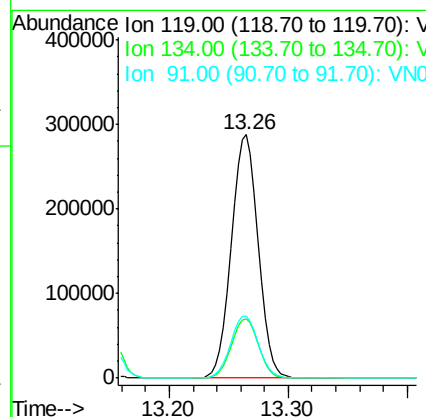
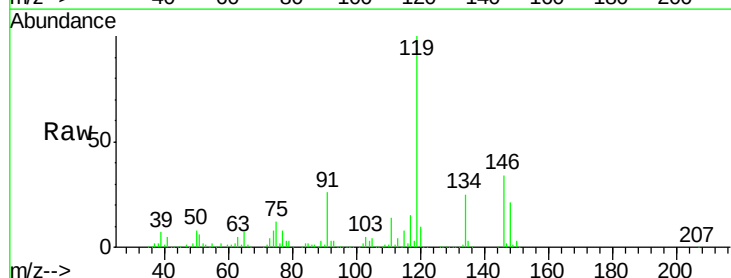
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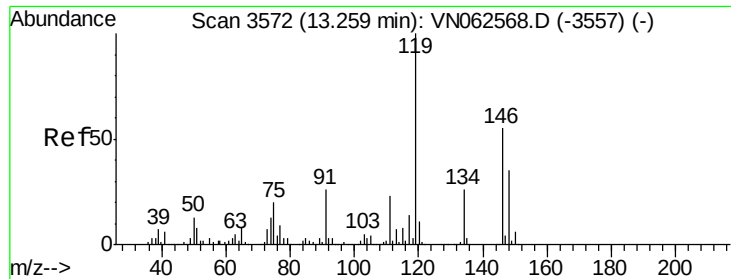
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#86
 p-Isopropyltoluene
 Concen: 58.475 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	449390		
134	24.7	12.8	38.4	
91	26.1	12.7	38.1	





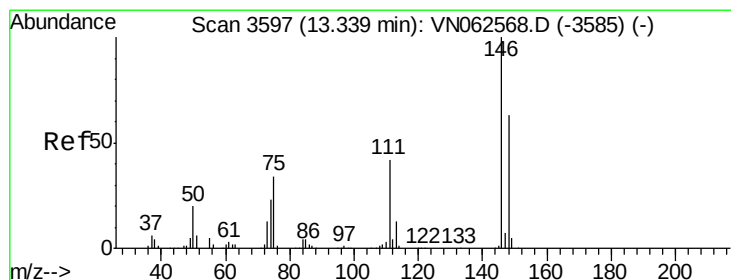
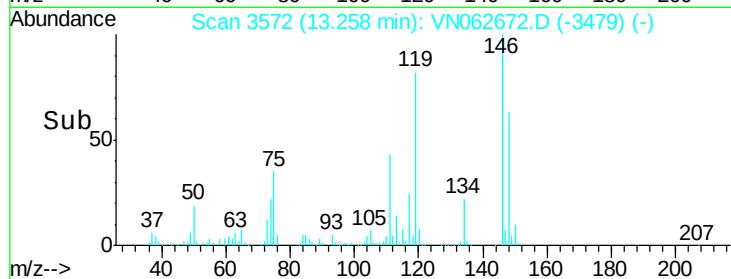
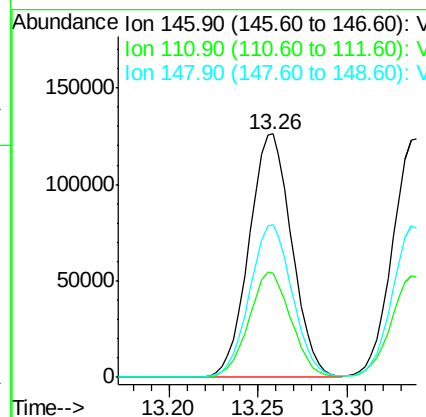
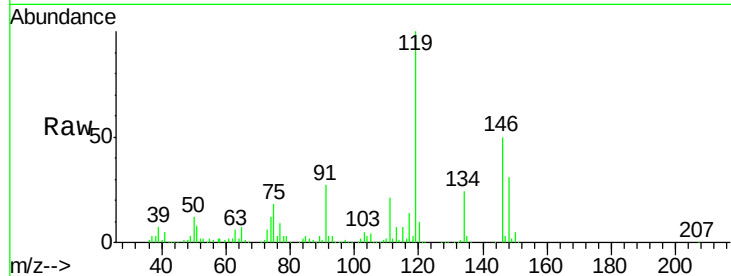
#87
 1,3-Dichlorobenzene
 Concen: 51.844 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	211856		
111	42.7	21.6	64.6	
148	62.8	31.8	95.4	

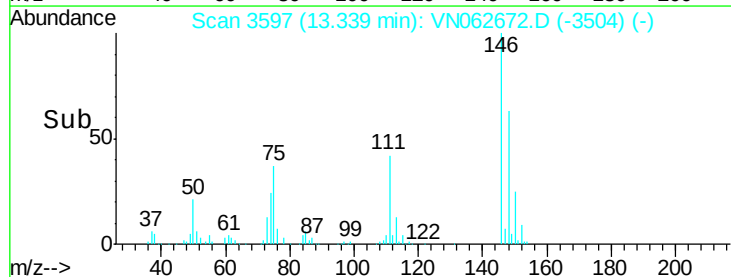
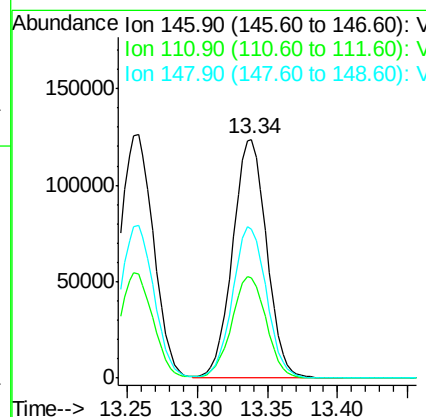
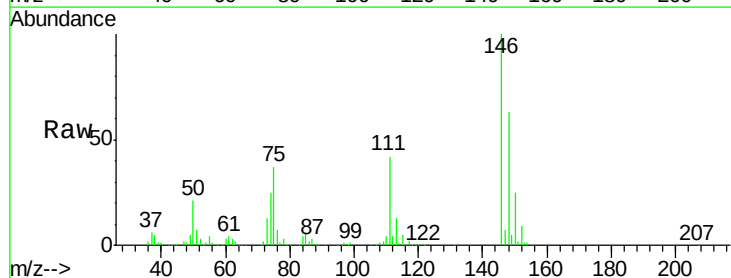
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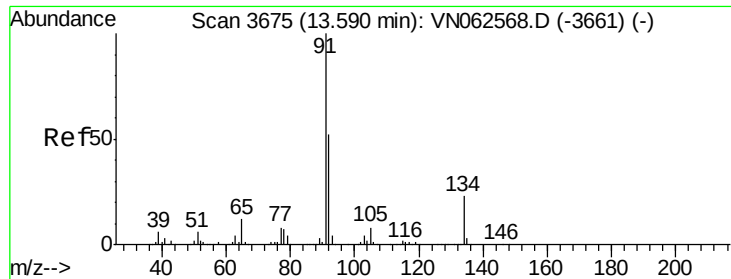
MMDadoda
 8/3/2020 9:31:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.654 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207789		
111	43.2	21.1	63.1	
148	64.0	31.6	94.8	





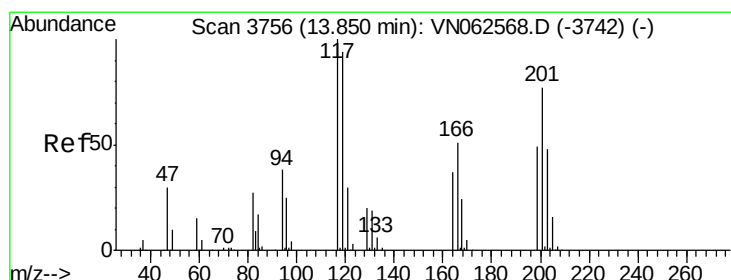
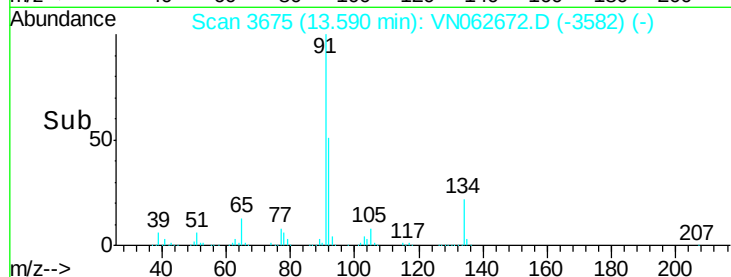
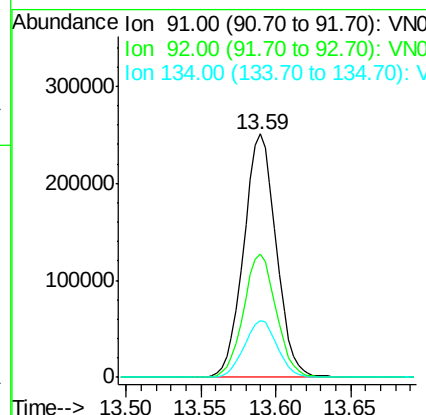
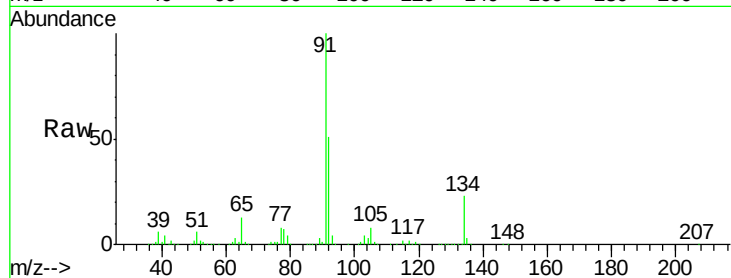
#89
n-Butylbenzene
Concen: 57.467 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.3
134	23.7	11.8	35.3

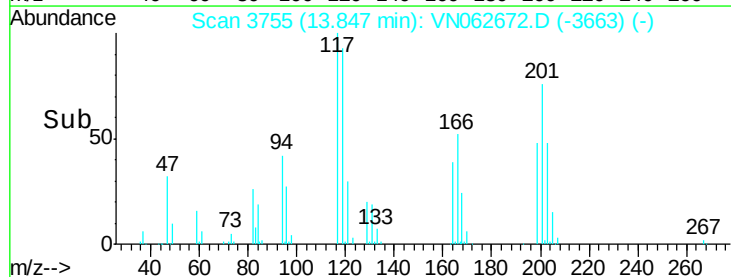
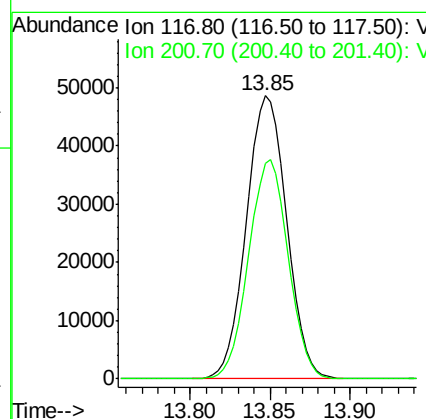
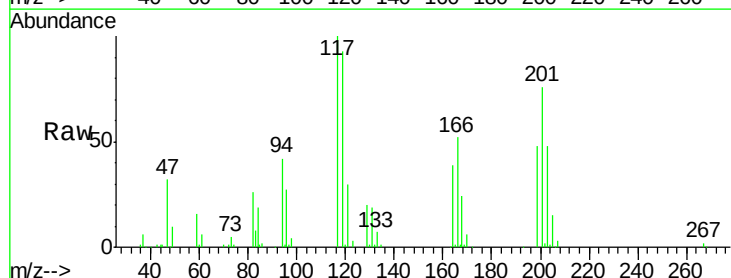
Manual Integrations
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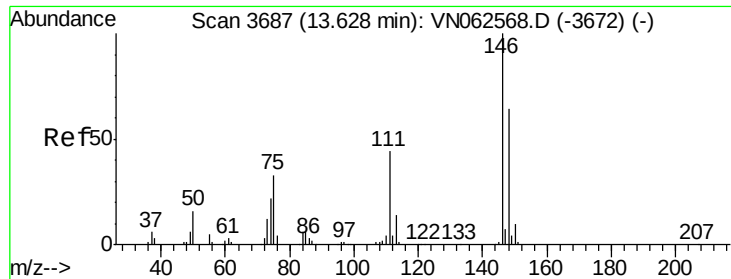
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#90
Hexachloroethane
Concen: 51.150 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	39.2	117.6





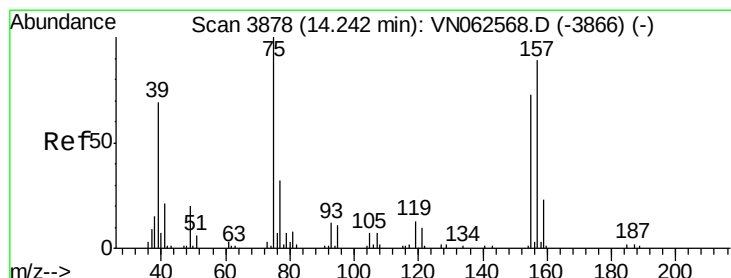
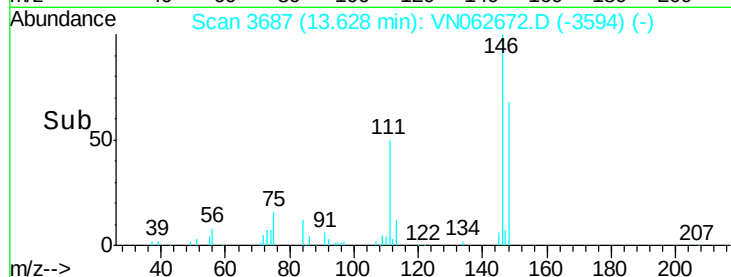
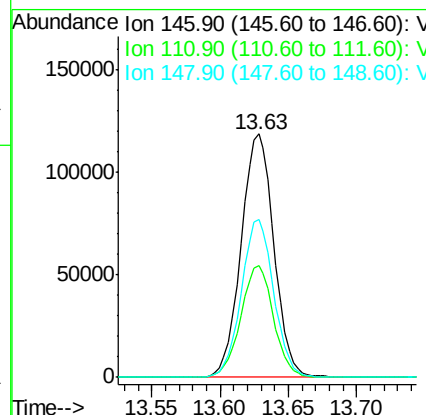
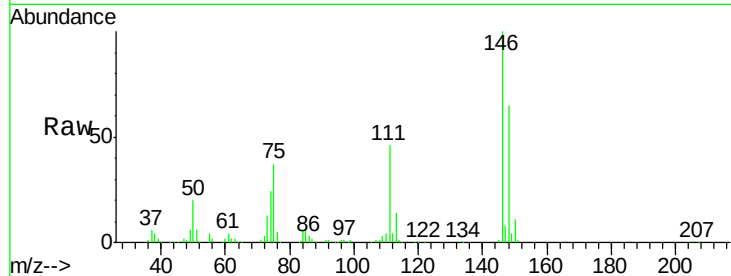
#91
 1,2-Dichlorobenzene
 Concen: 50.736 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.9	65.8
148	64.2	31.6	94.7

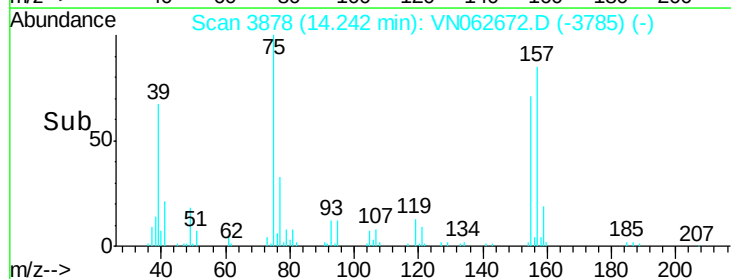
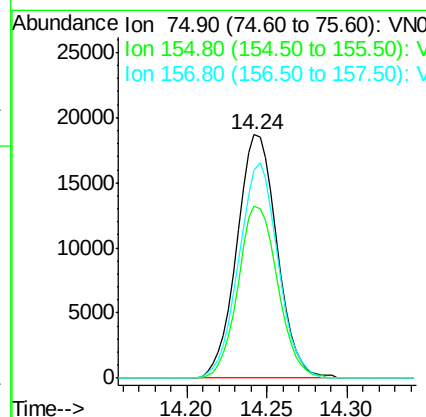
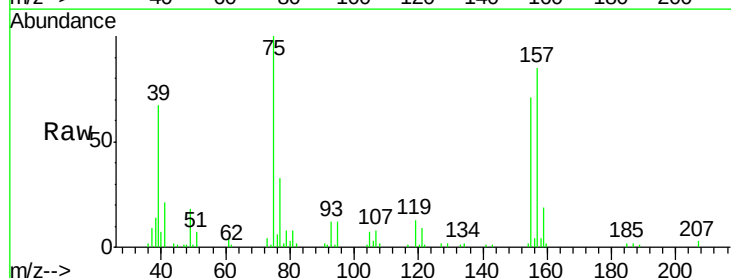
Manual Integrations
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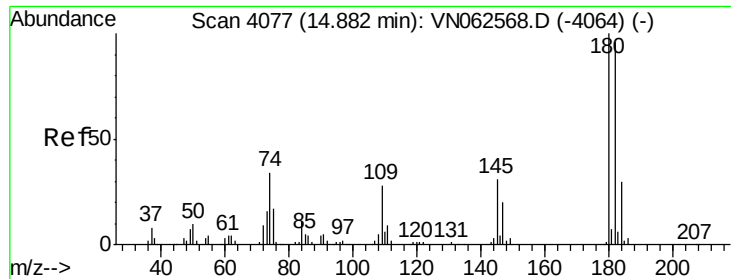
MMDadoda
 8/3/2020 9:31:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.256 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.5	35.9	107.5
157	86.2	45.0	135.0





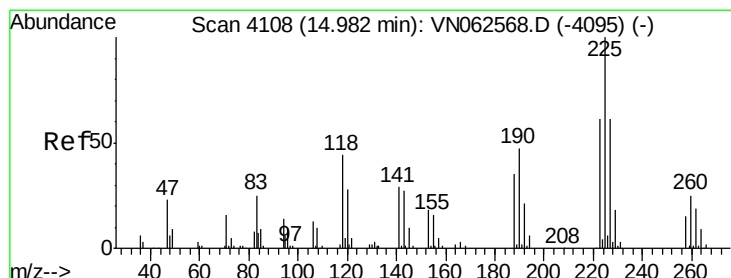
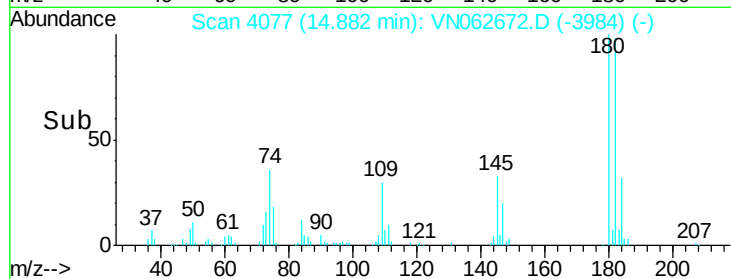
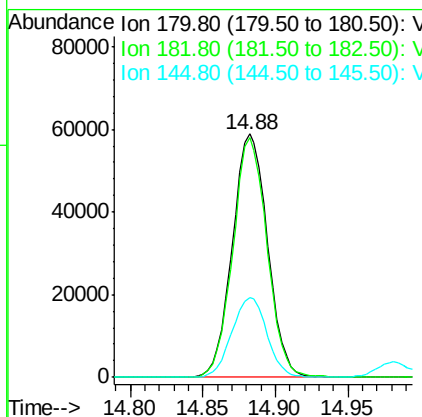
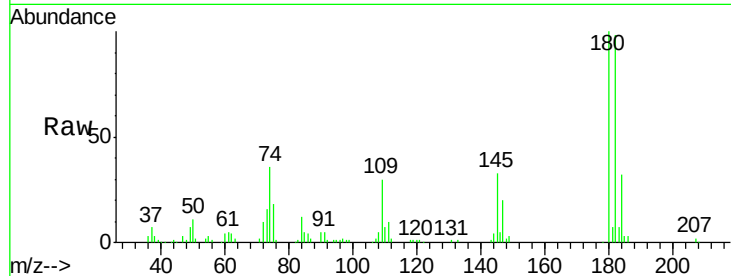
#93
 1,2,4-Trichlorobenzene
 Concen: 48.389 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.8	143.3	
145	32.8	15.3	45.9	

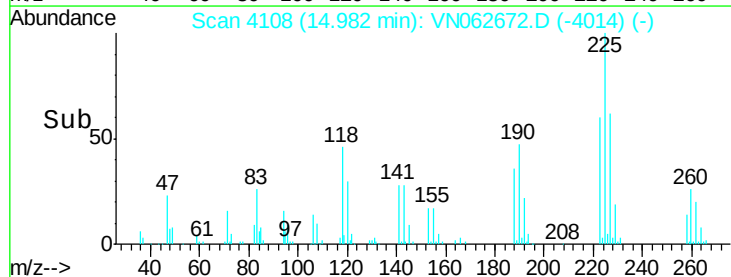
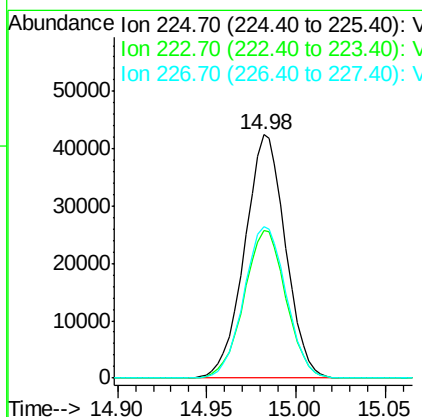
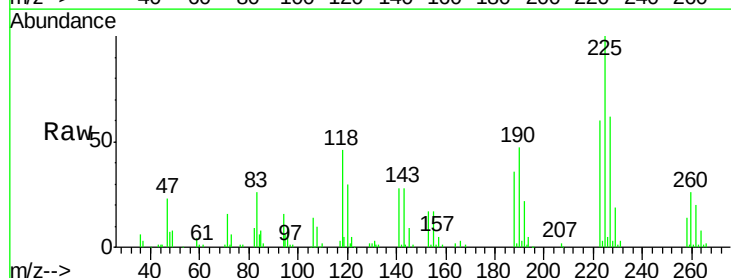
Manual Integrations
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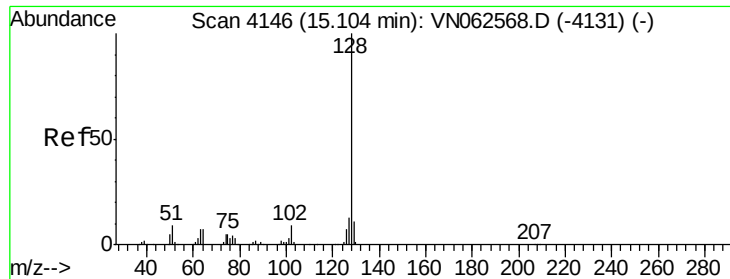
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#94
 Hexachlorobutadiene
 Concen: 64.464 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062672.D
 Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	32.0	96.0	
227	64.2	31.1	93.2	





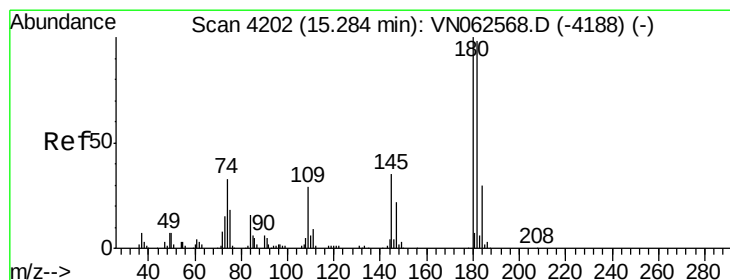
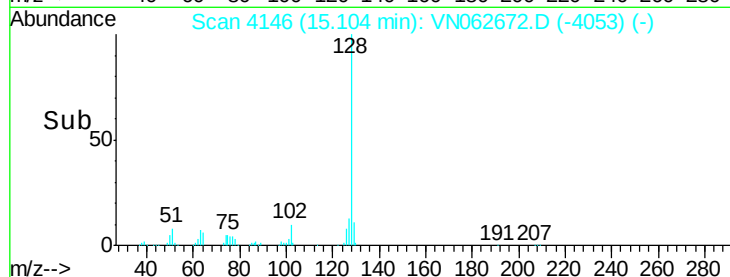
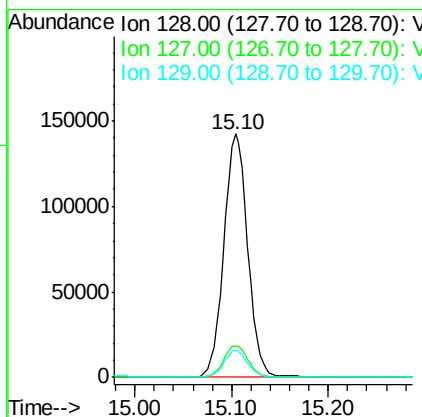
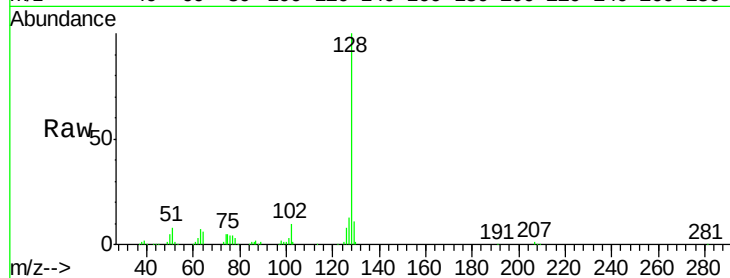
#95
Naphthalene
Concen: 45.079 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.860 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062672.D
Acq: 31 Jul 2020 9:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.1	144.3
145	34.5	16.7	50.1

