

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060608.D
 Acq On : 18 Mar 2020 22:28
 Operator : JC/MD
 Sample : VN0318WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:59:59 PM

Quant Time: Mar 19 08:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	345634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135382	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	7.56	113	101192	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.08	98	407228	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	12.40	95	144267	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38358	19.685	ug/l	97
3) Chloromethane	2.04	50	68054	18.700	ug/l	100
4) Vinyl Chloride	2.16	62	55380	19.455	ug/l	98
5) Bromomethane	2.55	94	24657	20.066	ug/l	99
6) Chloroethane	2.69	64	32740	19.967	ug/l	99
7) Trichlorofluoromethane	3.00	101	70095	19.990	ug/l	99
8) Diethyl Ether	3.38	74	28845	20.477	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40003	19.688	ug/l	98
10) Methyl Iodide	3.93	142	38088	21.067	ug/l	99
11) Tert butyl alcohol	4.73	59	35001	86.086	ug/l	98
12) 1,1-Dichloroethene	3.72	96	42179	19.345	ug/l	95
13) Acrolein	3.58	56	37476	83.166	ug/l	100
14) Allyl chloride	4.30	41	74011	19.300	ug/l	98
15) Acrylonitrile	4.94	53	116916	97.789	ug/l	99
16) Acetone	3.78	43	91343	93.276	ug/l	100
17) Carbon Disulfide	4.03	76	131319	19.803	ug/l	100
18) Methyl Acetate	4.29	43	52456	19.031	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	145189	19.368	ug/l	99
20) Methylene Chloride	4.52	84	47781	19.835	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	45810	19.713	ug/l	97
22) Diisopropyl ether	5.91	45	162075	20.005	ug/l	97
23) Vinyl Acetate	5.86	43	660206	99.873	ug/l	100
24) 1,1-Dichloroethane	5.82	63	89104	20.174	ug/l	98
25) 2-Butanone	6.80	43	151101	95.354	ug/l	98
26) 2,2-Dichloropropane	6.80	77	65223	18.769	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	52680	19.949	ug/l	99
28) Bromochloromethane	7.17	49	43456	20.565	ug/l	100
29) Tetrahydrofuran	7.18	42	106714	95.179	ug/l	100
30) Chloroform	7.35	83	83532	19.728	ug/l	99
31) Cyclohexane	7.63	56	85522	19.207	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	72533	19.871	ug/l	98
36) 1,1-Dichloropropene	7.77	75	65506	19.573	ug/l	100
37) Ethyl Acetate	6.90	43	68479	18.936	ug/l	99
38) Carbon Tetrachloride	7.75	117	57812	19.273	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	74707	18.784	ug/l	98
40) Benzene	8.02	78	195997	19.399	ug/l	99
41) Methacrylonitrile	7.14	41	25036m	16.222	ug/l	
42) 1,2-Dichloroethane	8.10	62	67774	19.629	ug/l	100
43) Isopropyl Acetate	8.14	43	113680	19.061	ug/l	100
44) Trichloroethene	8.82	130	50424	19.798	ug/l	99
45) 1,2-Dichloropropane	9.10	63	52933	19.856	ug/l	98
46) Dibromomethane	9.19	93	31190	19.352	ug/l	99
47) Bromodichloromethane	9.39	83	63757	19.037	ug/l	100
48) Methyl methacrylate	9.18	41	48610	18.307	ug/l	99
49) 1,4-Dioxane	9.18	88	11211	355.209	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	325538	95.922	ug/l	100
52) Toluene	10.14	92	117697	19.289	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	73852	19.197	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	80928	19.175	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	45527	19.395	ug/l	98
56) Ethyl methacrylate	10.42	69	69080	18.874	ug/l	99
57) 1,3-Dichloropropane	10.70	76	80158	19.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	174039	95.672	ug/l	99
59) 2-Hexanone	10.74	43	228677	93.540	ug/l	100
60) Dibromochloromethane	10.89	129	46299	19.094	ug/l	100
61) 1,2-Dibromoethane	10.99	107	45792	19.400	ug/l	99
64) Tetrachloroethene	10.62	164	49166	20.113	ug/l	97
65) Chlorobenzene	11.43	112	119032	19.329	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	43438	19.482	ug/l	99
67) Ethyl Benzene	11.50	91	223128	19.484	ug/l	99
68) m/p-Xylenes	11.61	106	164748	38.713	ug/l	98
69) o-Xylene	11.94	106	80022	19.698	ug/l	99
70) Styrene	11.96	104	127298	19.159	ug/l	99
71) Bromoform	12.12	173	31951	18.342	ug/l #	100
73) Isopropylbenzene	12.24	105	212383	20.018	ug/l	99
74) N-amyl acetate	12.06	43	93444	19.060	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61822	19.268	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	61651m	20.209	ug/l	
77) Bromobenzene	12.52	156	50309	19.678	ug/l	99
78) n-propylbenzene	12.59	91	246530	19.668	ug/l	99
79) 2-Chlorotoluene	12.67	91	145683	19.452	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	176300	19.581	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21535	18.130	ug/l	100
82) 4-Chlorotoluene	12.77	91	150679	19.753	ug/l	100
83) tert-Butylbenzene	12.99	119	146941	19.687	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	173576	19.487	ug/l	99
85) sec-Butylbenzene	13.17	105	196543	19.583	ug/l	100
86) p-Isopropyltoluene	13.28	119	174459	19.330	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	88932	19.723	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87528	19.321	ug/l	98
89) n-Butylbenzene	13.61	91	153958	18.894	ug/l	99
90) Hexachloroethane	13.87	117	25052	19.096	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	84466	19.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12561	18.523	ug/l	96

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	51377	19.404	ug/l	100
94) Hexachlorobutadiene	15.00	225	24880	19.169	ug/l	98
95) Naphthalene	15.13	128	153260	19.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50980	19.548	ug/l	99

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

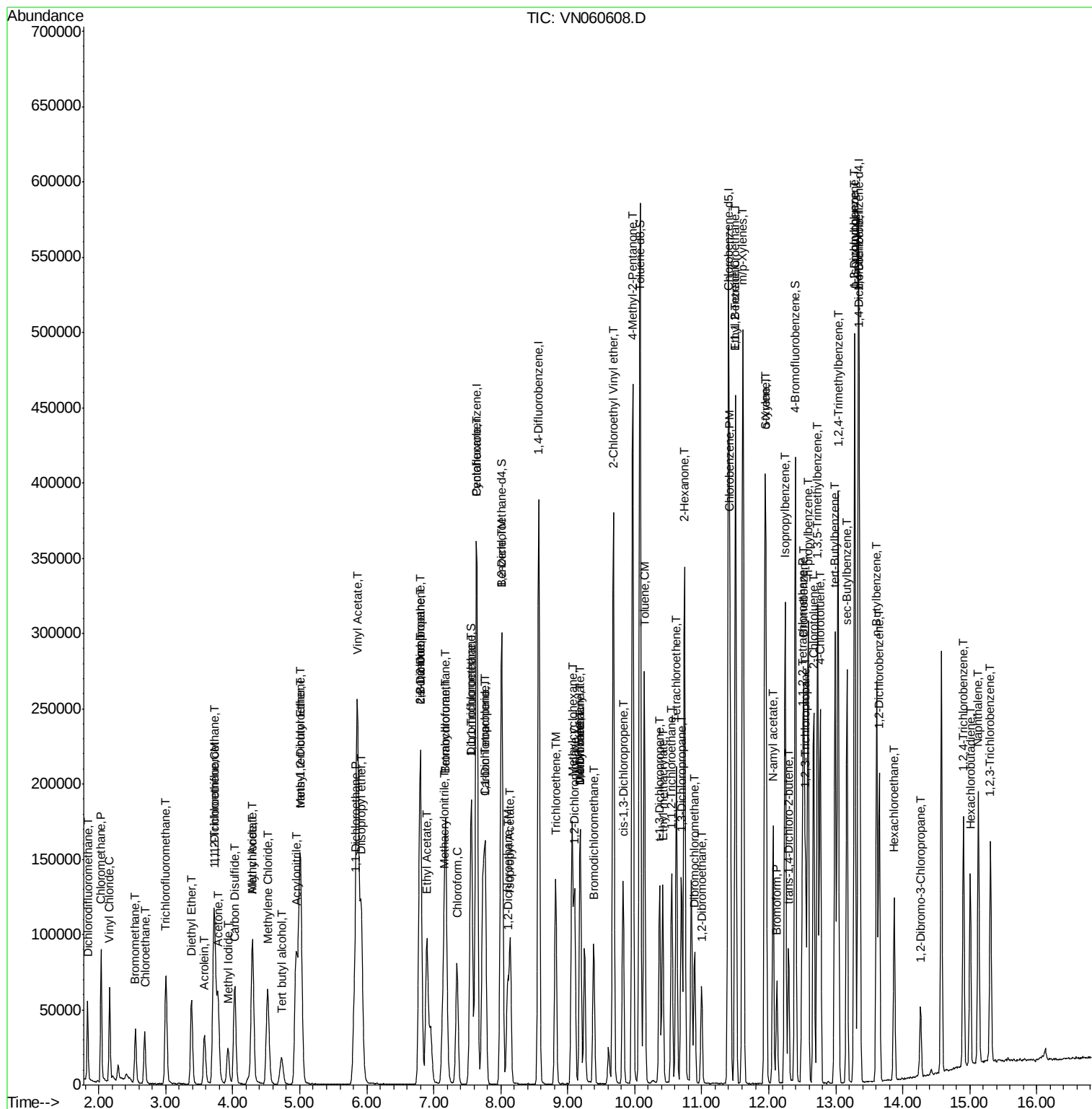
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion:168 Resp: 201387

Ion Ratio Lower Upper

168 100

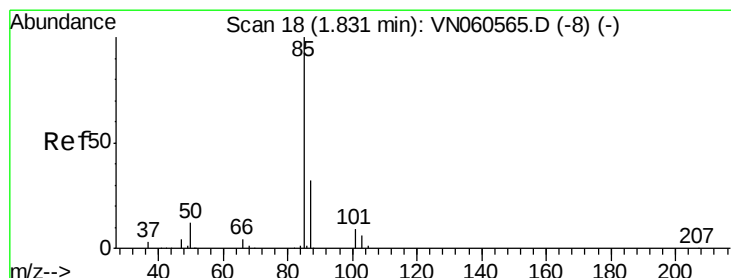
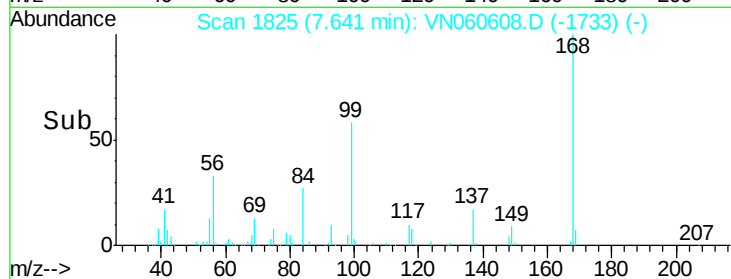
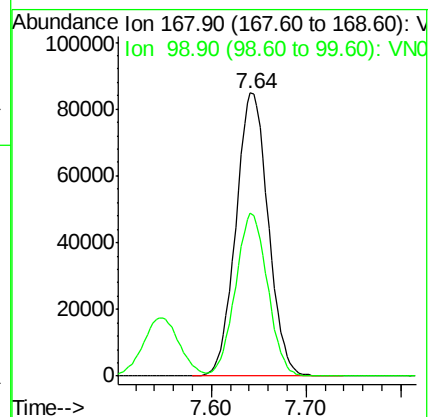
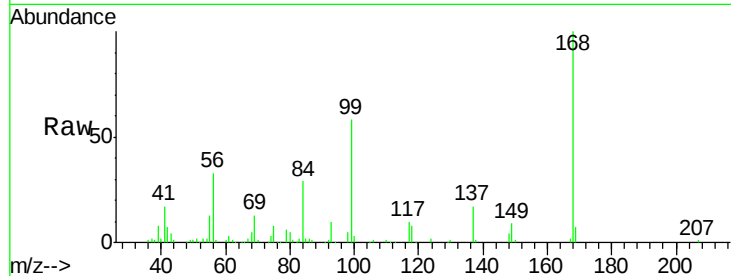
99 57.6 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.685 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060608.D

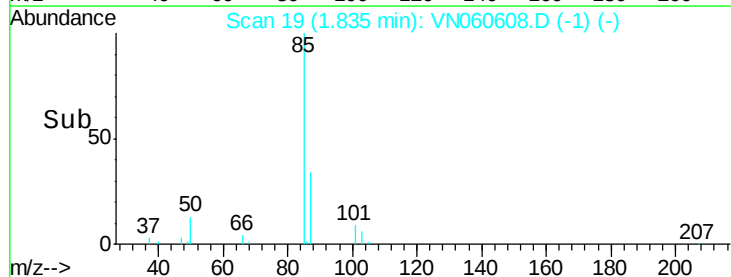
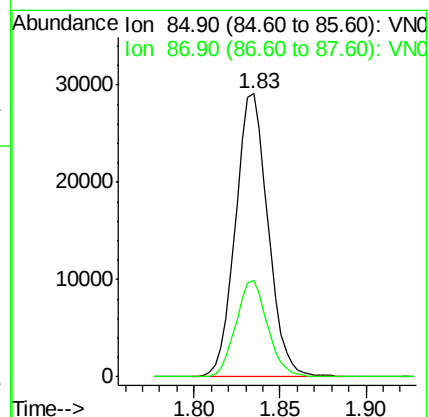
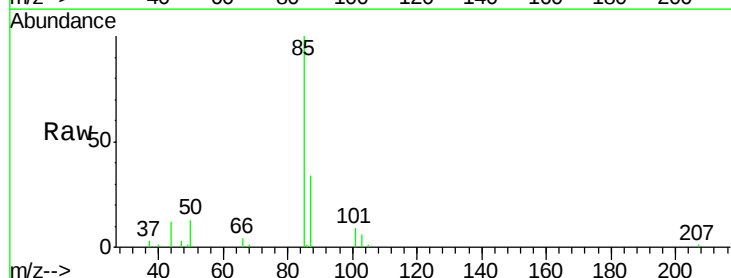
Acq: 18 Mar 2020 22:28

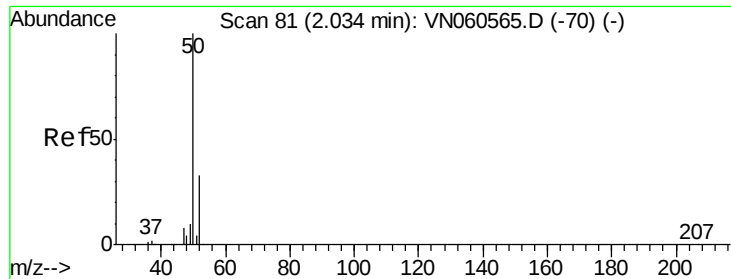
Tgt Ion: 85 Resp: 38358

Ion Ratio Lower Upper

85 100

87 33.9 16.2 48.5





#3

Chloromethane

Concen: 18.700 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 50 Resp: 68054

Ion Ratio Lower Upper

50 100

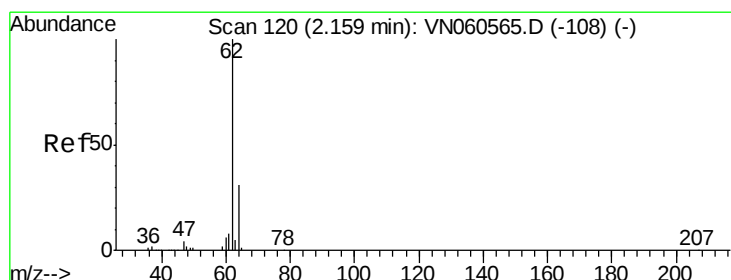
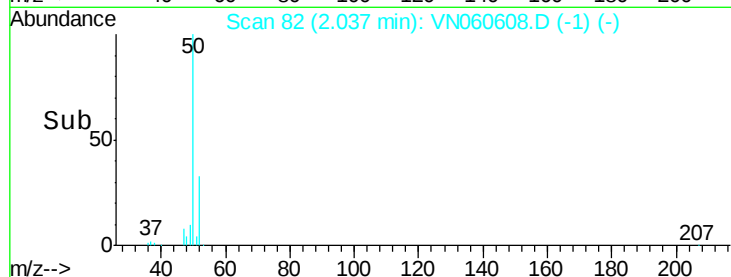
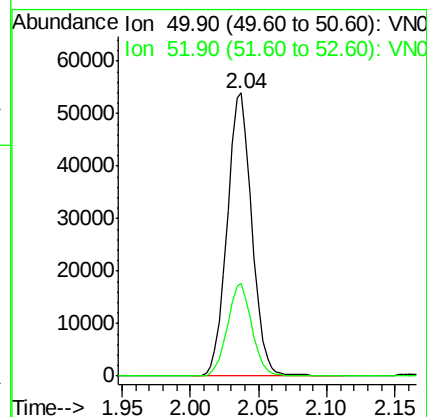
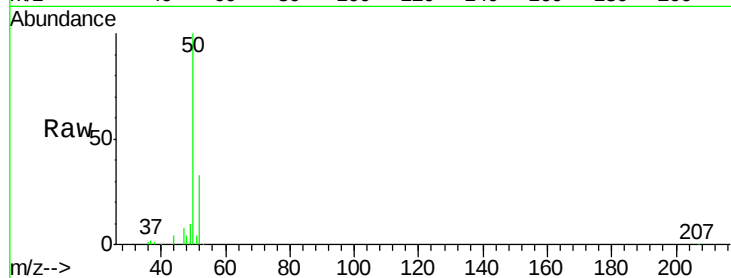
52 32.5 26.2 39.2

Manual Integrations

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3/19/2020 1:59:59 PM



#4

Vinyl Chloride

Concen: 19.455 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060608.D

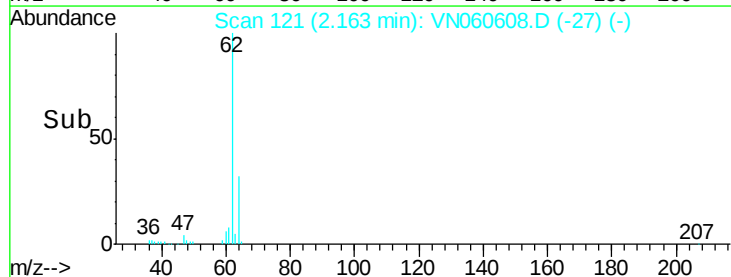
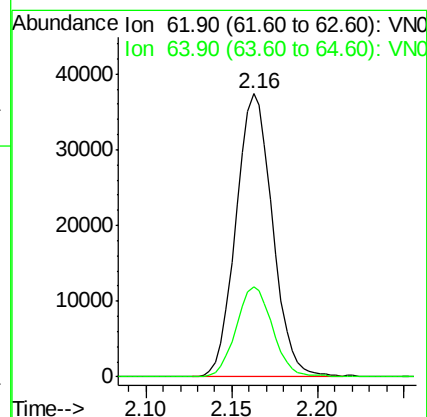
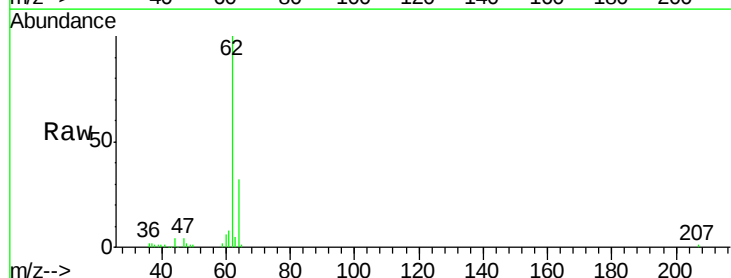
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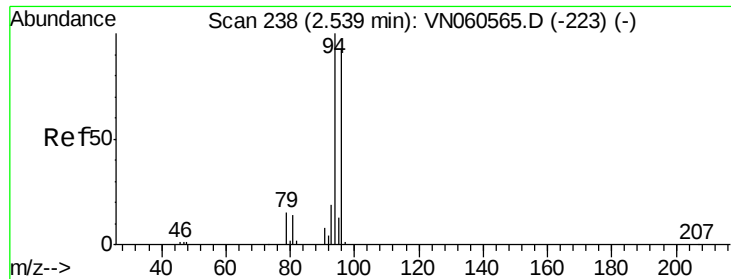
Tgt Ion: 62 Resp: 55380

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 20.066 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

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ClientSampleId :

VN0318WBSD02

Tot Ion: 94 Resp: 24657

Ion Ratio Lower Upper

94 100

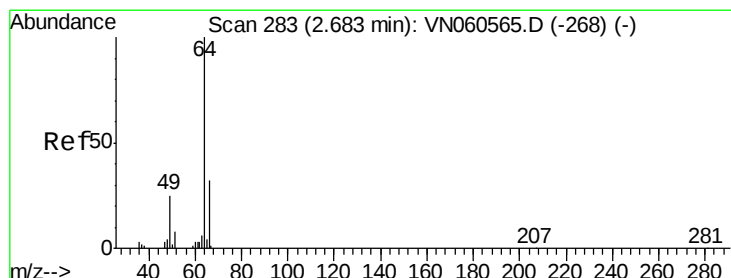
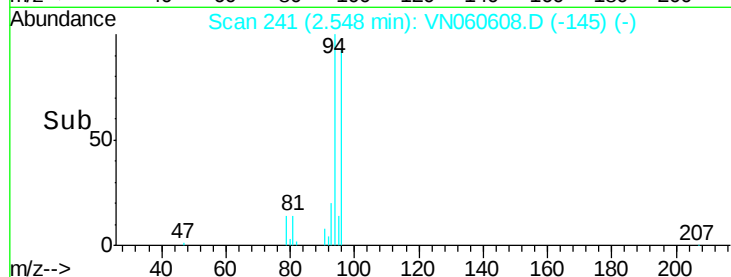
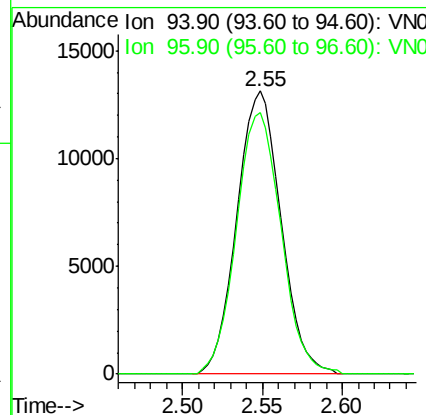
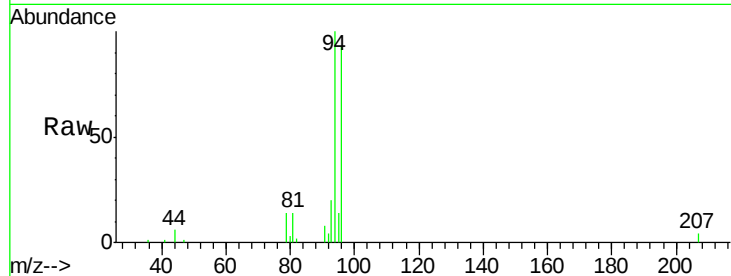
96 92.6 74.6 112.0

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3/19/2020 1:59:59 PM



#6

Chloroethane

Concen: 19.967 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060608.D

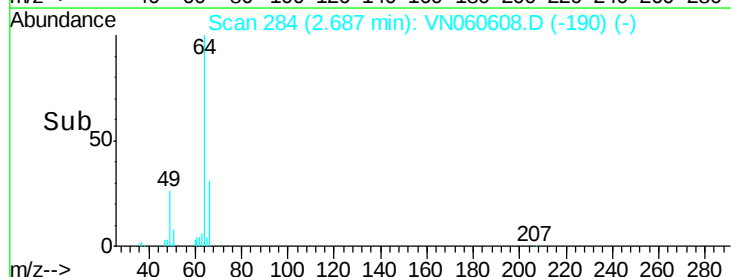
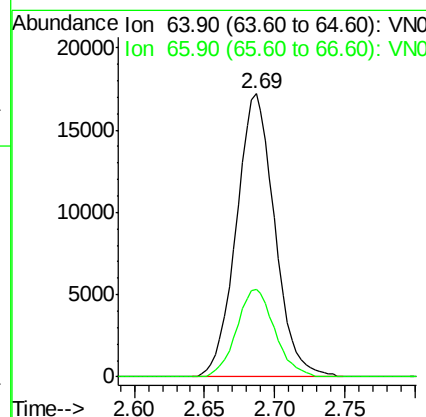
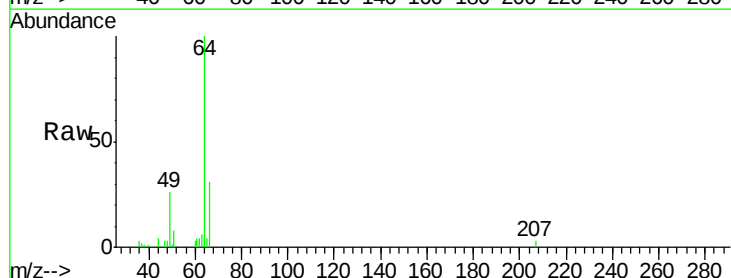
Acq: 18 Mar 2020 22:28

Tgt Ion: 64 Resp: 32740

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9





#7

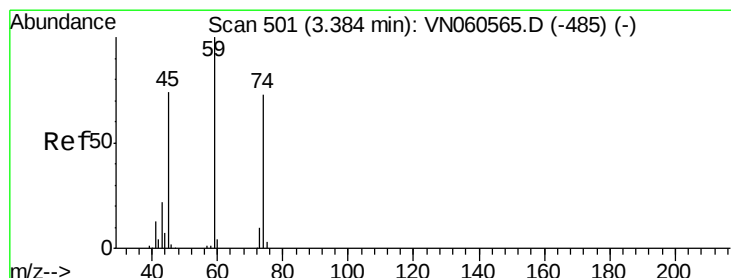
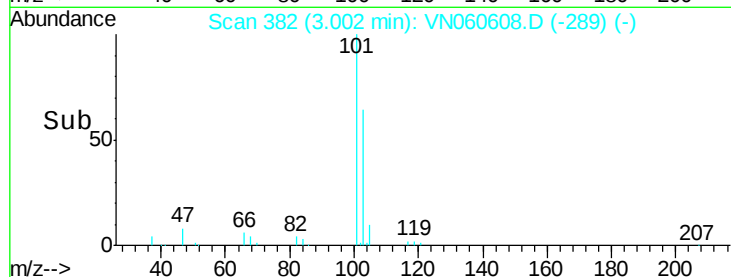
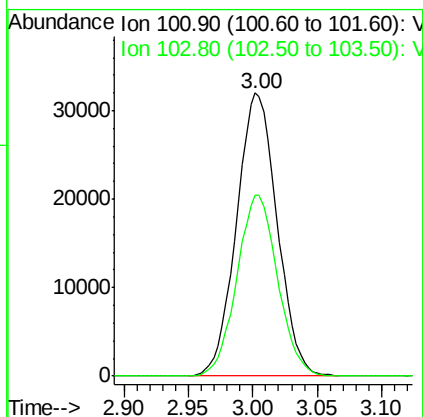
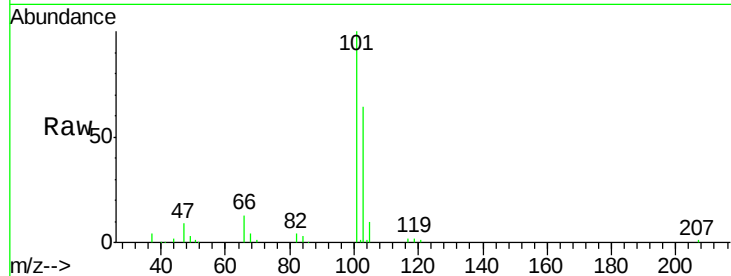
Trichlorofluoromethane
Concen: 19.990 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
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ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.6	76.0

Manual Integrations
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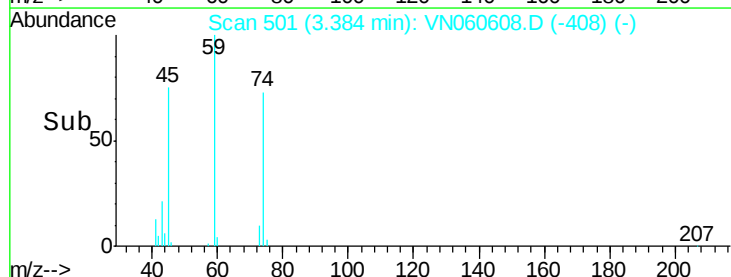
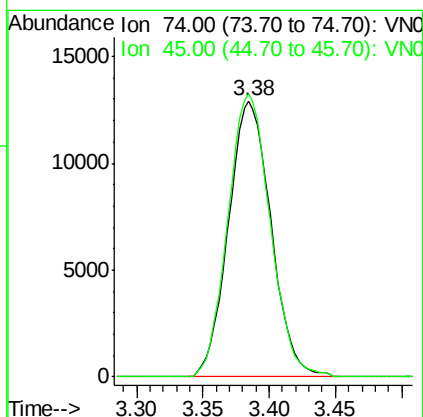
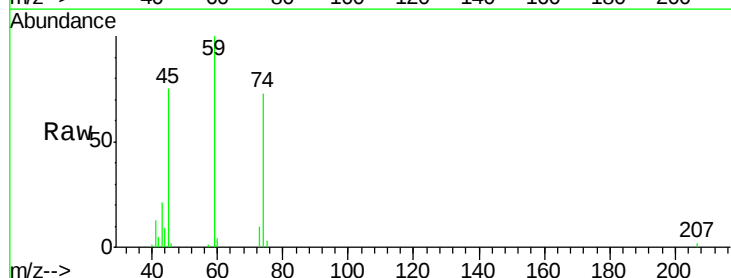
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3/19/2020 1:59:59 PM



#8

Diethyl Ether
Concen: 20.477 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.688 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

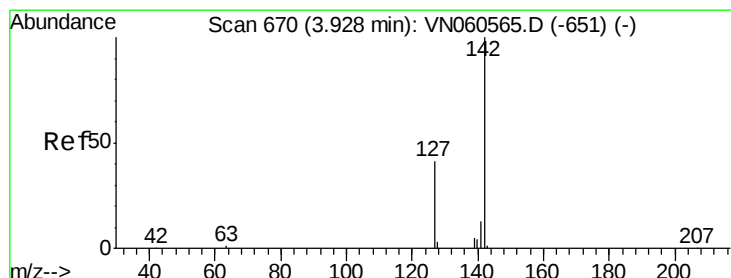
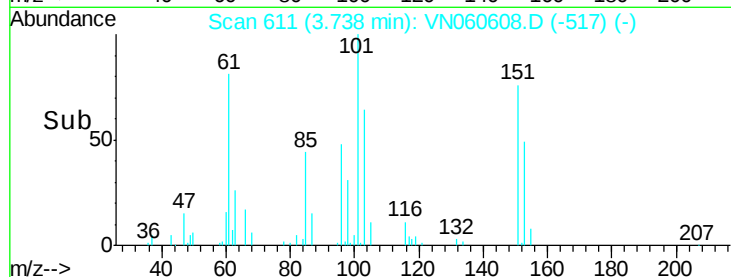
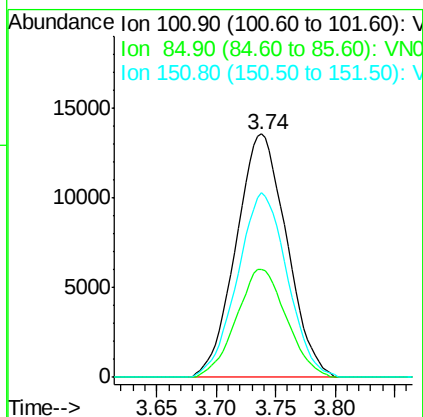
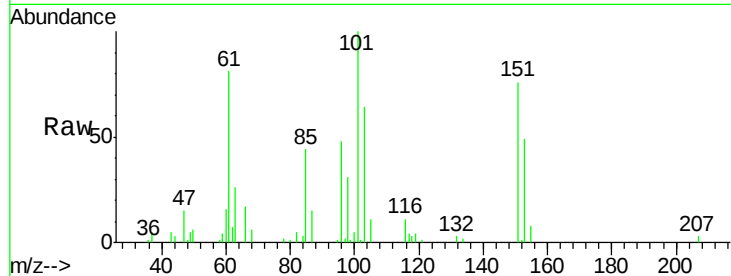
ClientSampleId :

VN0318WBSD02

Tot Ion:	101	Resp:	40003
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.6	53.4
151	74.7	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.067 ug/l

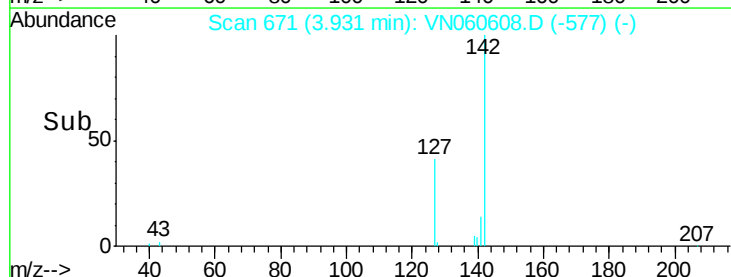
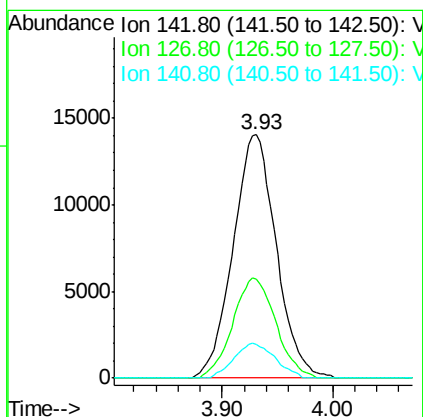
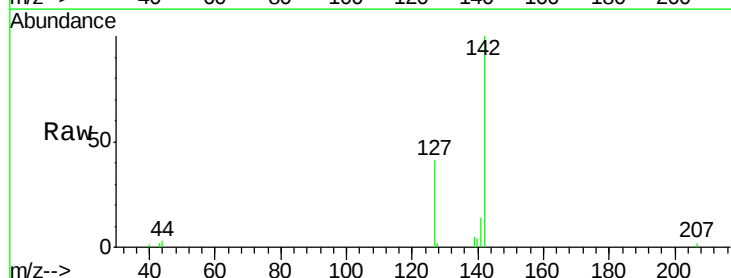
RT: 3.93 min Scan# 671

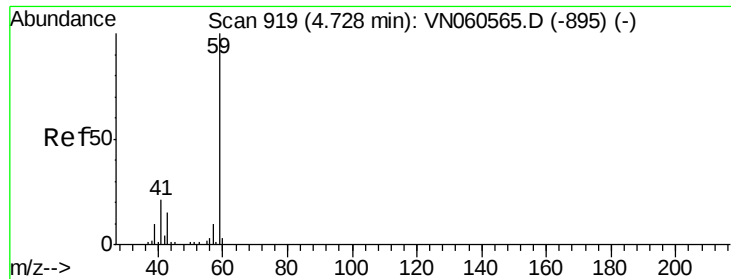
Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion:	142	Resp:	38088
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.5	50.3
141	13.7	11.0	16.6





#11

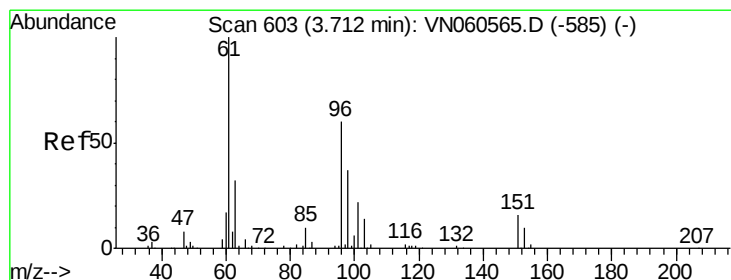
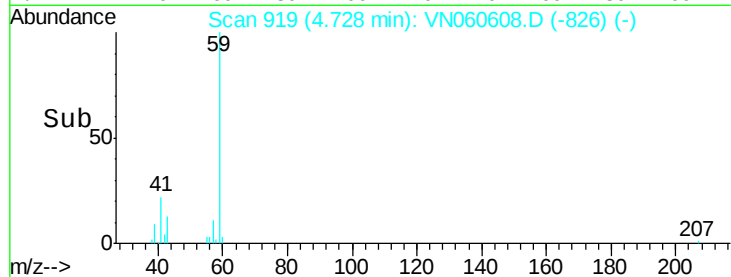
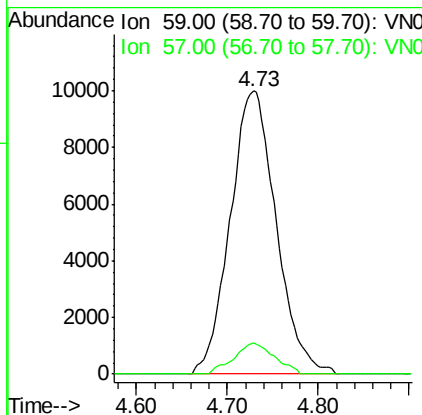
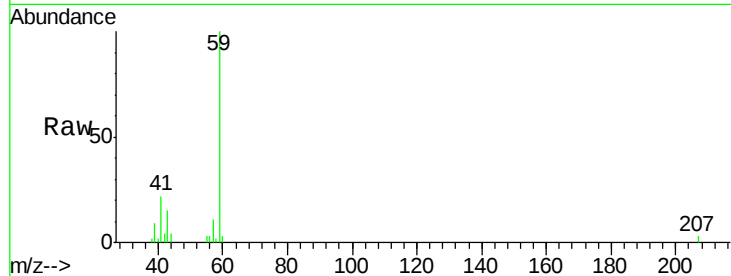
Tert butyl alcohol
 Concen: 86.086 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
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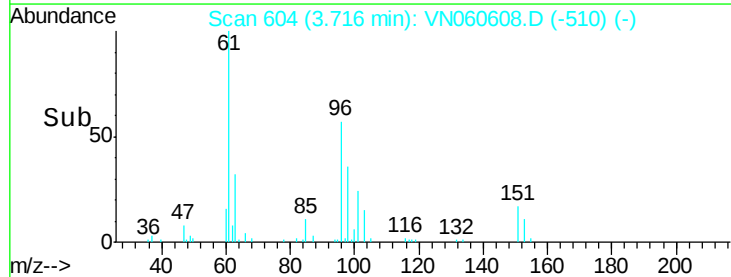
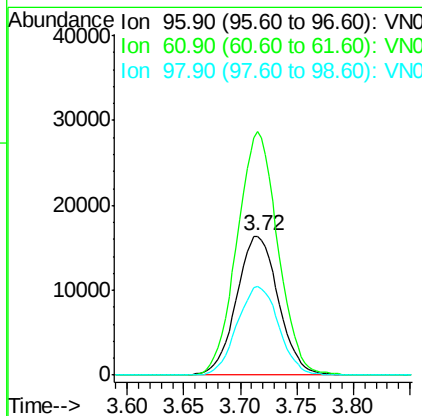
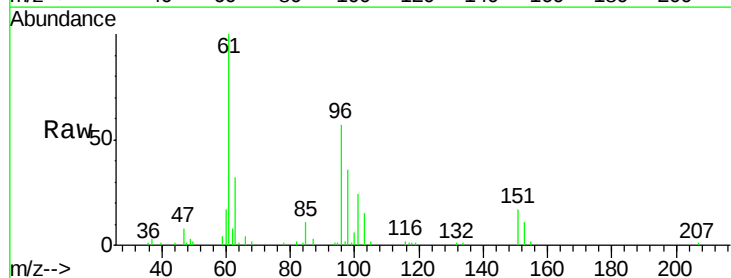
MMDadoda
 3/19/2020 1:59:59 PM

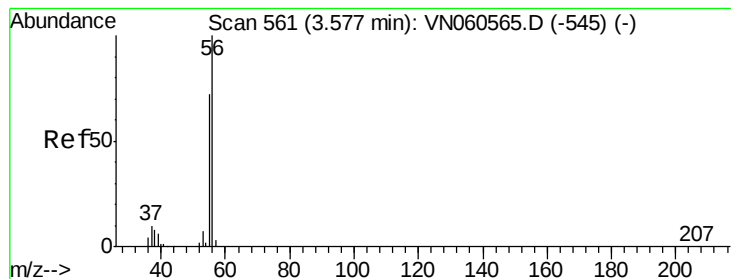


#12

1,1-Dichloroethene
 Concen: 19.345 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	134.1	201.1
98	63.6	49.9	74.9





#13

Acrolein

Concen: 83.166 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 56 Resp: 37476

Ion Ratio Lower Upper

56 100

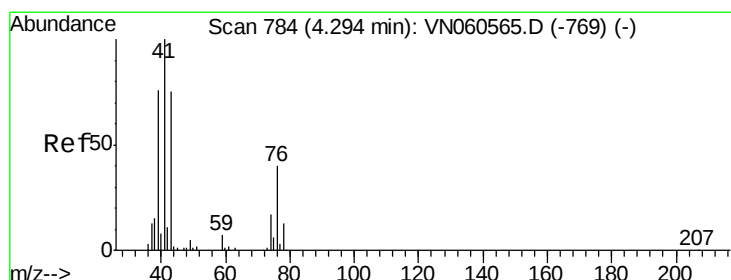
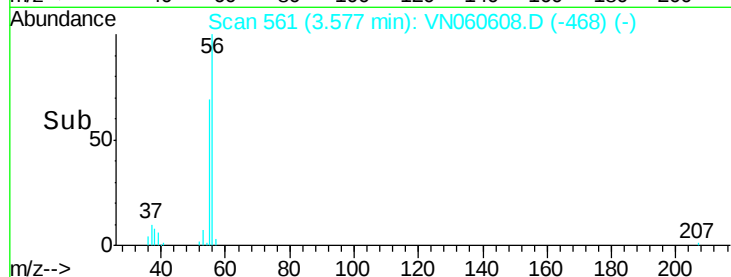
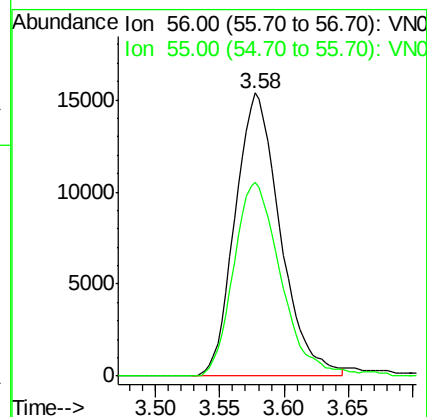
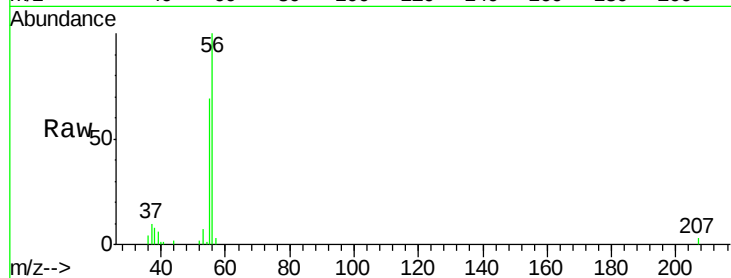
55 71.3 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

3/19/2020 1:59:59 PM



#14

Allyl chloride

Concen: 19.300 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

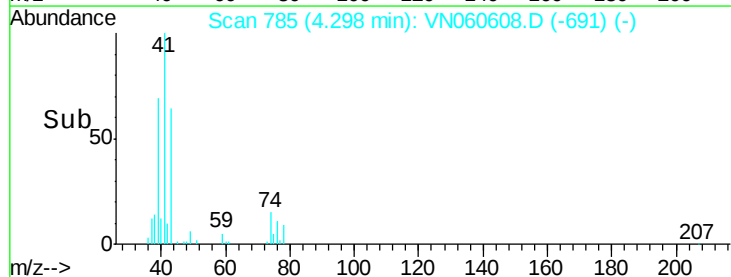
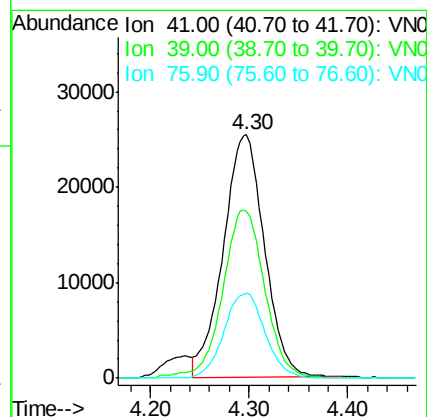
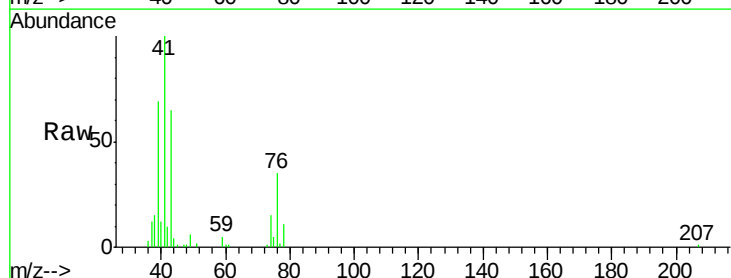
Tgt Ion: 41 Resp: 74011

Ion Ratio Lower Upper

41 100

39 70.8 57.8 86.8

76 34.7 28.6 43.0





#15

Acrylonitrile

Concen: 97.789 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

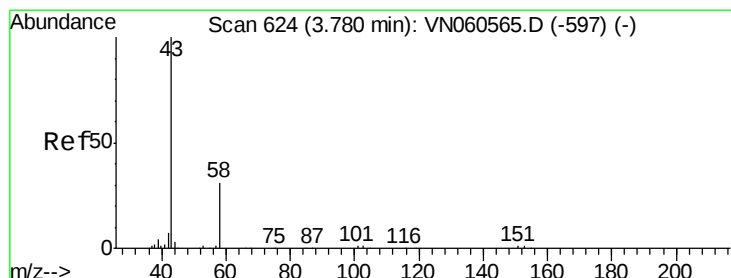
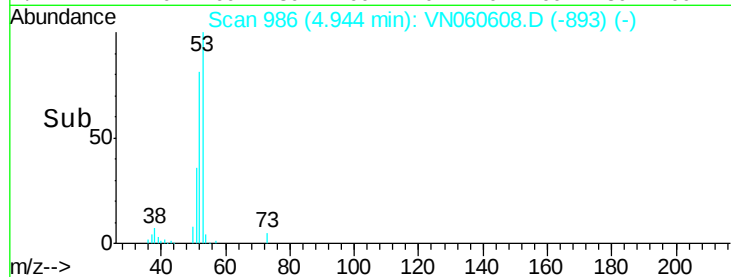
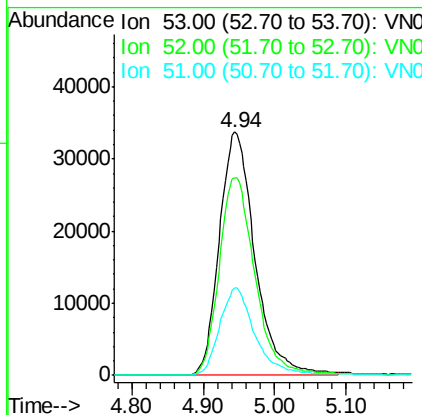
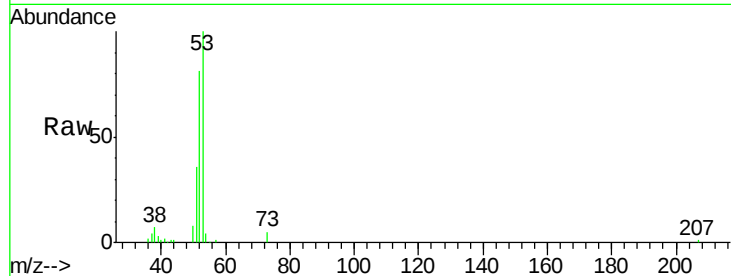
ClientSampleId :

VN0318WBSD02

Tot Ion:	53	Resp:	116916
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 93.276 ug/l

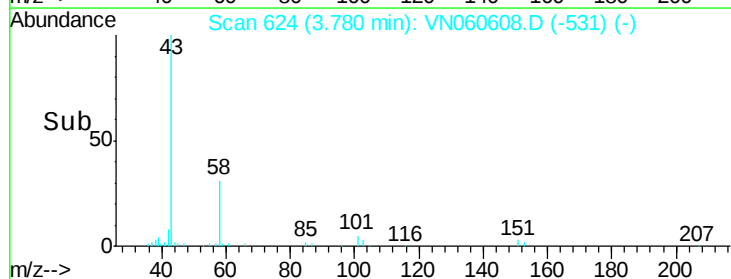
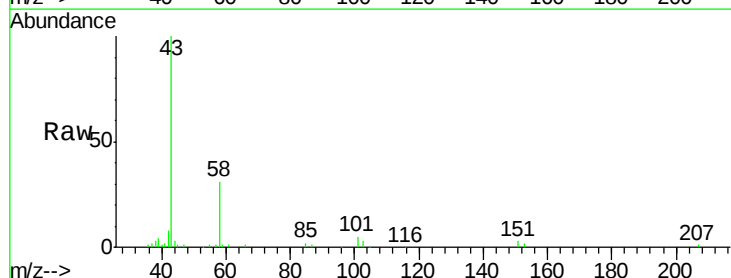
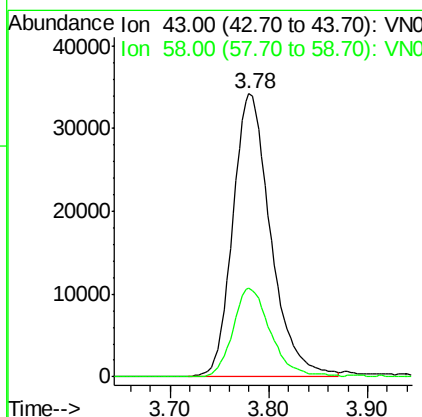
RT: 3.78 min Scan# 624

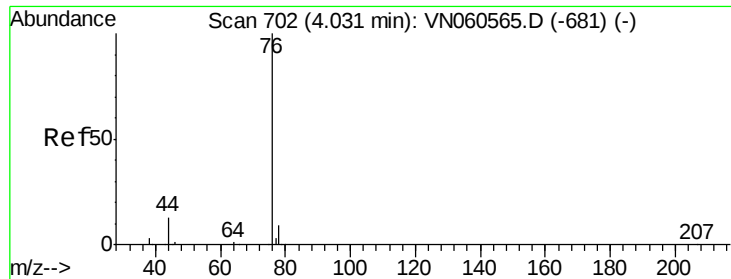
Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion:	43	Resp:	91343
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.1	37.7





#17

Carbon Disulfide

Concen: 19.803 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 76 Resp: 131319

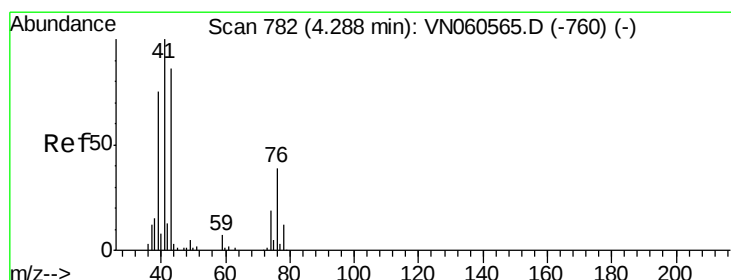
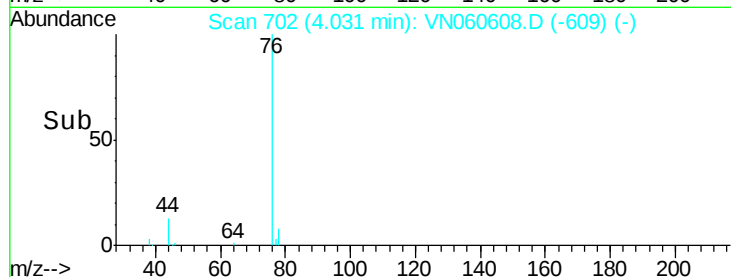
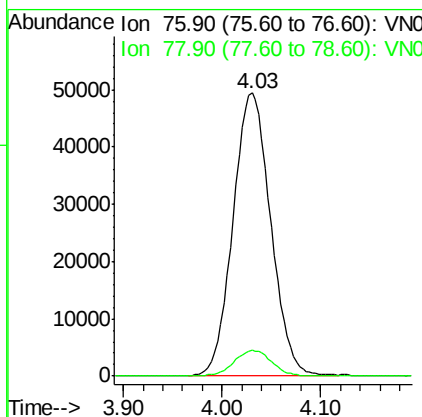
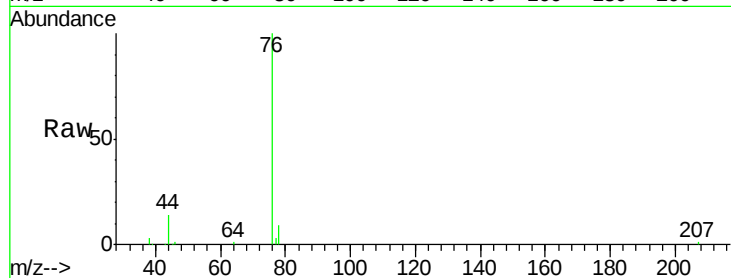
Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

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#18

Methyl Acetate

Concen: 19.031 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060608.D

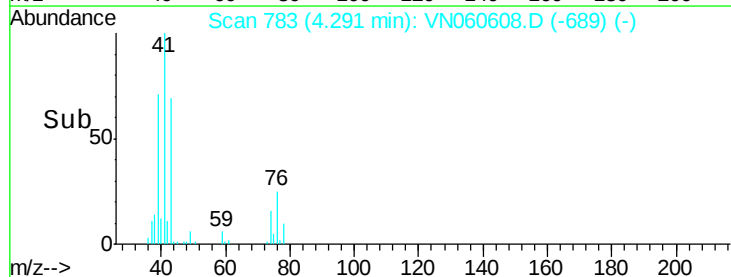
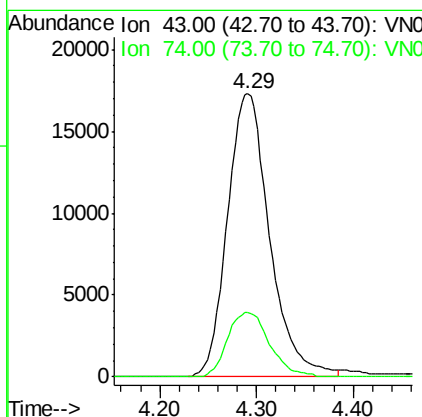
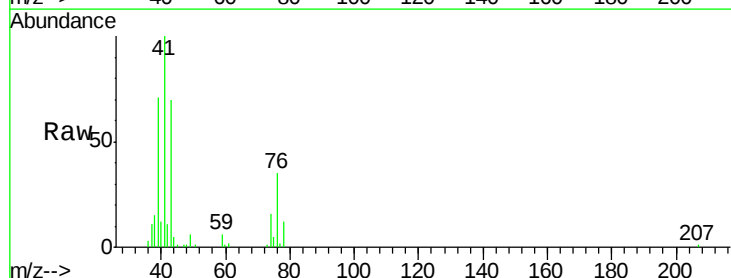
Acq: 18 Mar 2020 22:28

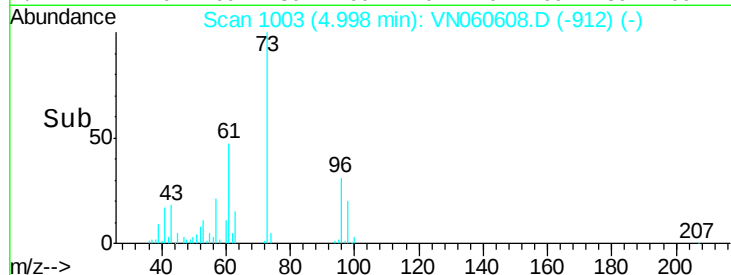
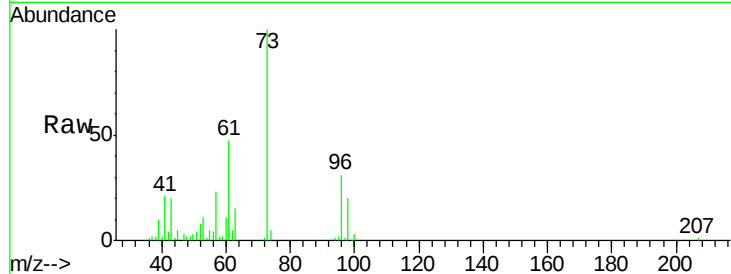
Tgt Ion: 43 Resp: 52456

Ion Ratio Lower Upper

43 100

74 22.7 17.5 26.3





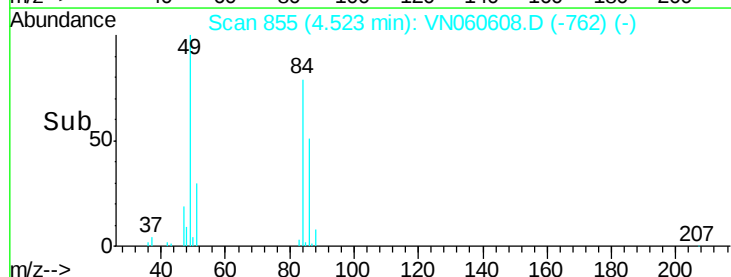
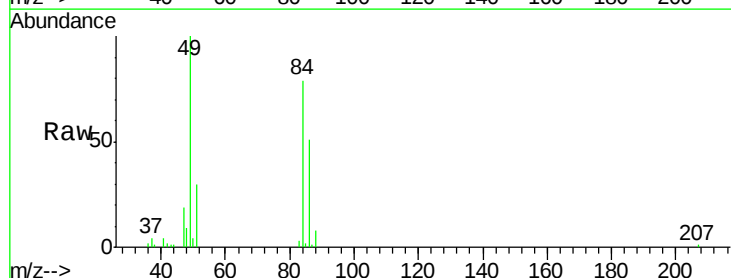
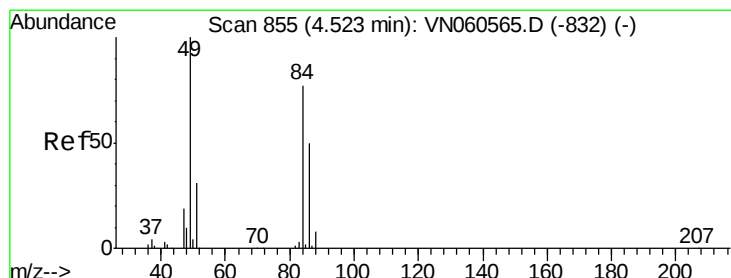
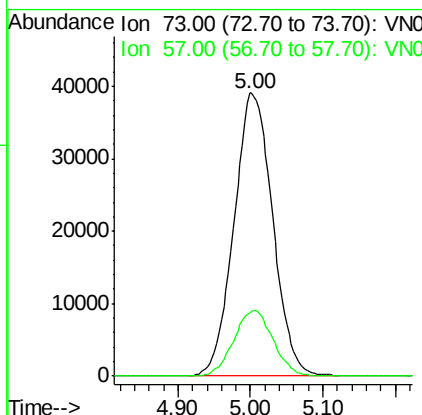
#19
Methyl tert-butyl Ether
Concen: 19.368 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tot Ion: 73 Resp: 145189
Ion Ratio Lower Upper
73 100
57 22.5 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

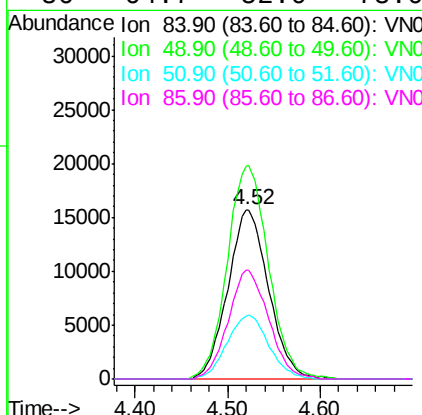
Manual Integrations
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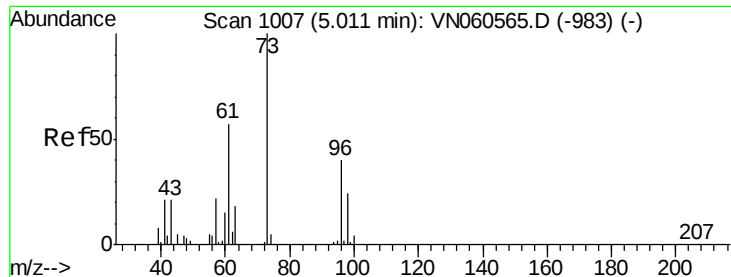
MMDadoda
3/19/2020 1:59:59 PM



#20
Methylene Chloride
Concen: 19.835 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion: 84 Resp: 47781
Ion Ratio Lower Upper
84 100
49 126.2 103.3 154.9
51 37.6 31.6 47.4
86 64.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.713 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 96 Resp: 45810

Ion Ratio Lower Upper

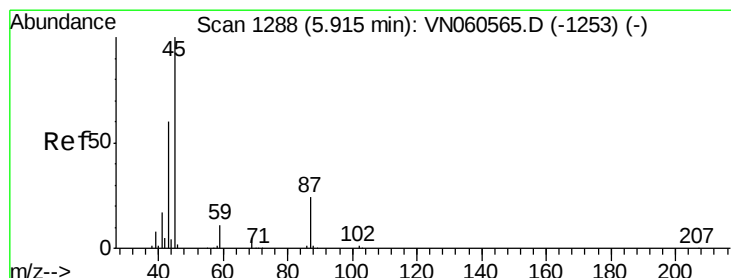
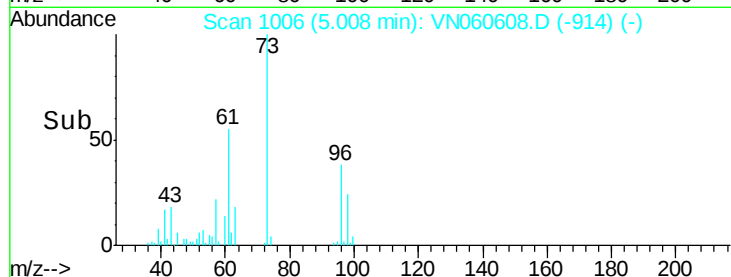
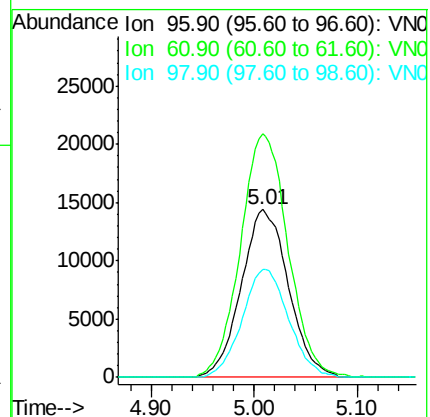
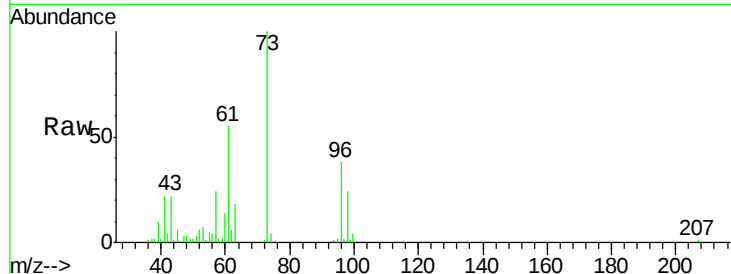
96 100

61 145.0 114.4 171.6

98 64.1 48.4 72.6

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:59:59 PM



#22

Diisopropyl ether

Concen: 20.005 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion: 45 Resp: 162075

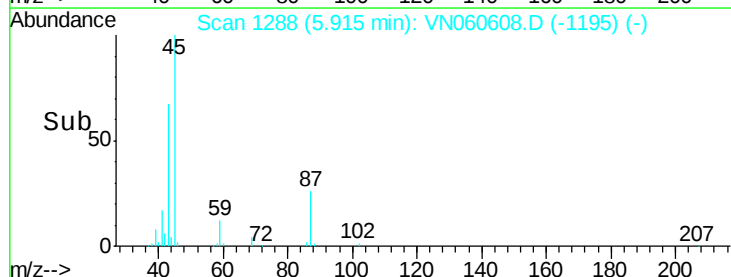
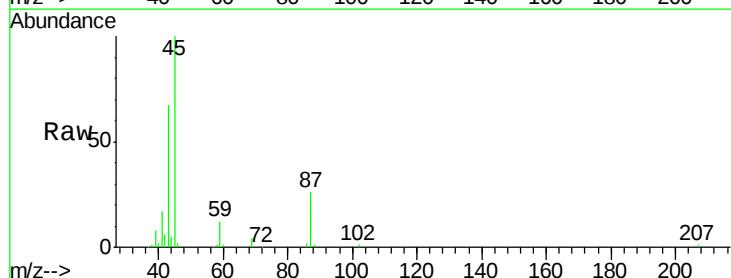
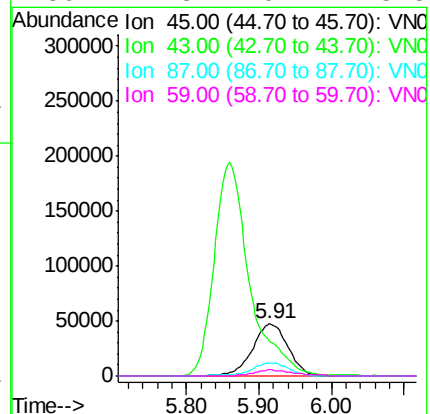
Ion Ratio Lower Upper

45 100

43 65.4 49.8 74.8

87 25.7 20.1 30.1

59 11.3 9.2 13.8





#23

Vinyl Acetate

Concen: 99.873 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 43 Resp: 660206

Ion Ratio Lower Upper

43 100

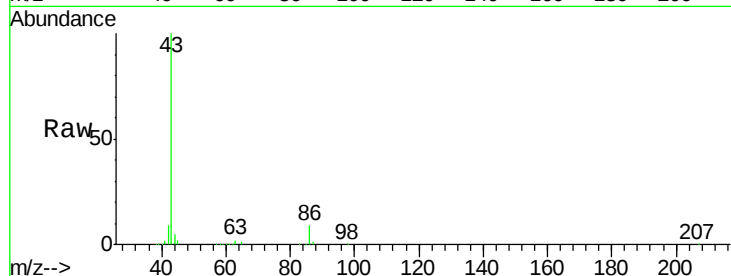
86 9.3 7.6 11.4

Manual Integrations

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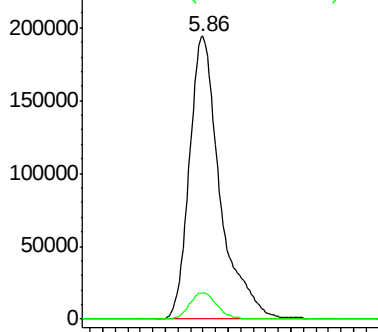
MMDadoda

3/19/2020 1:59:59 PM

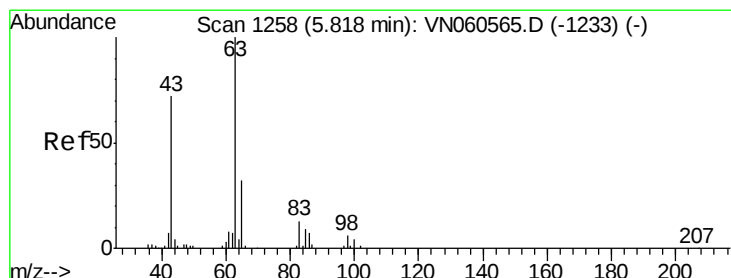
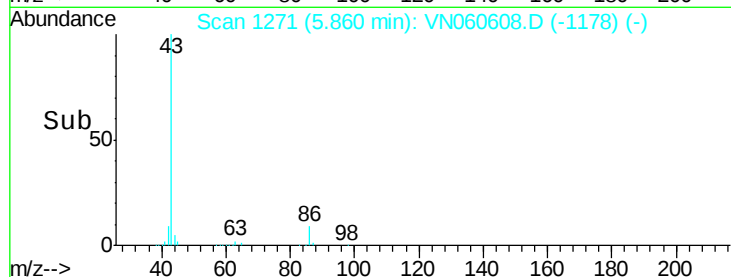


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.174 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

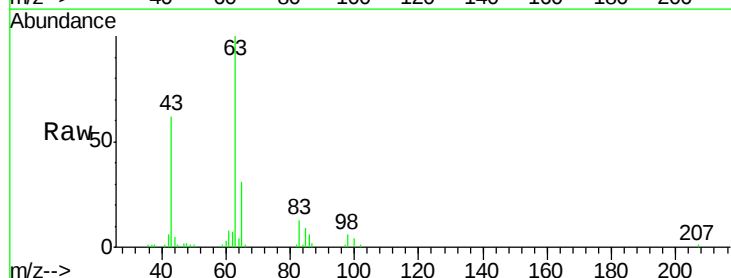
Tgt Ion: 63 Resp: 89104

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

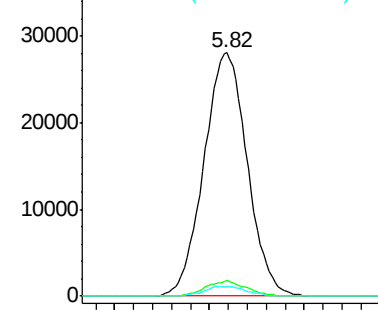
100 4.1 1.8 5.5



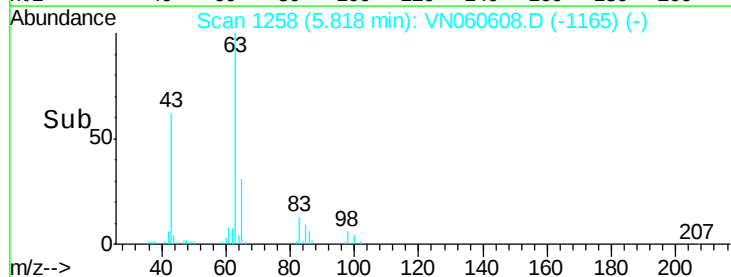
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 95.354 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 43 Resp: 151101

Ion Ratio Lower Upper

43 100

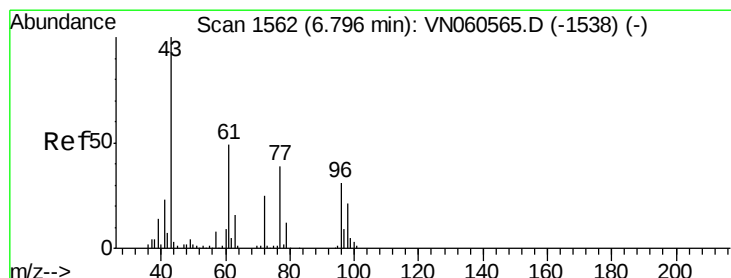
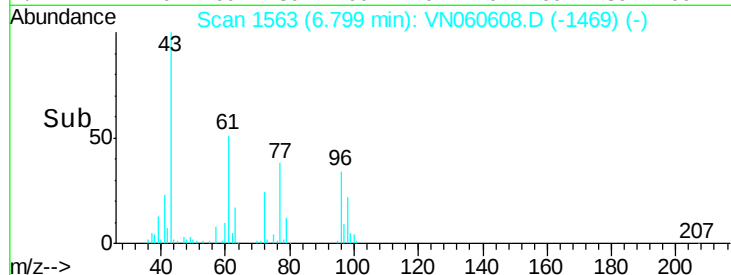
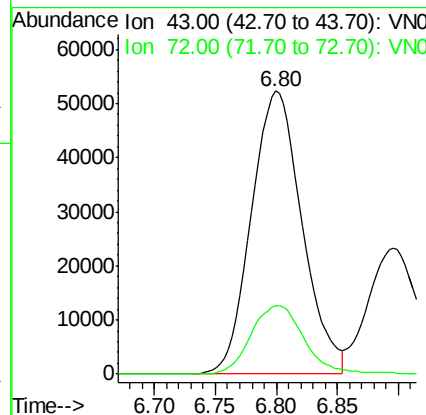
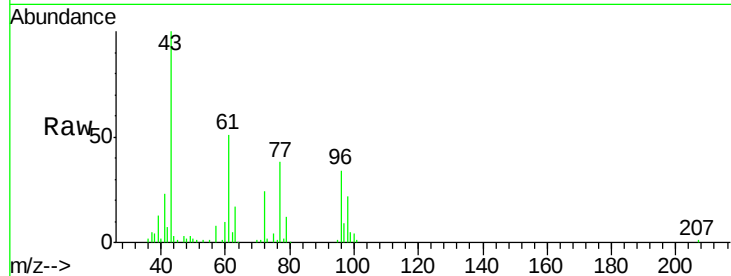
72 24.3 20.4 30.6

Manual Integrations

APPROVED

MMDadoda

3/19/2020 1:59:59 PM



#26

2,2-Dichloropropane

Concen: 18.769 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060608.D

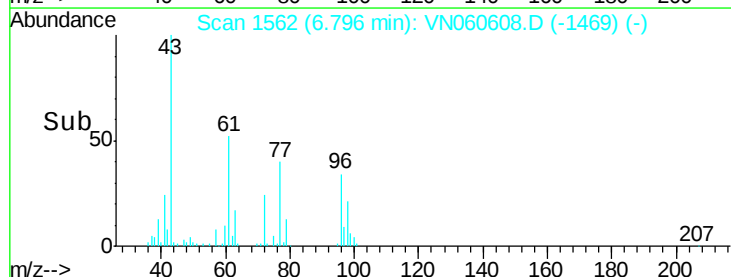
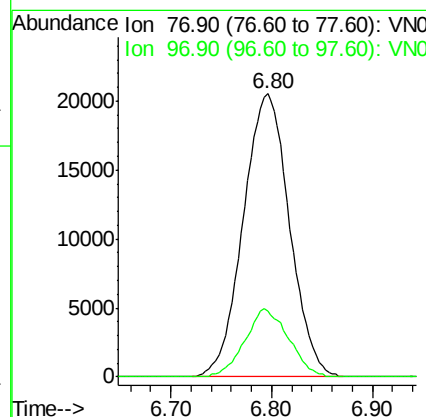
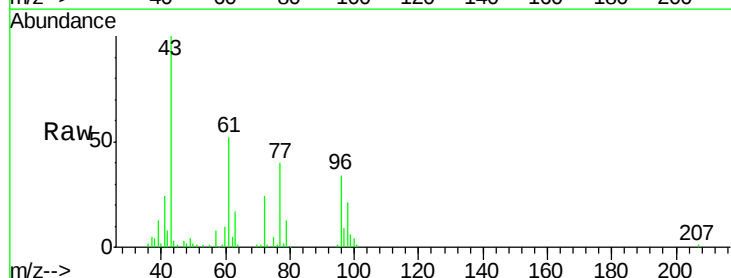
Acq: 18 Mar 2020 22:28

Tgt Ion: 77 Resp: 65223

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.949 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

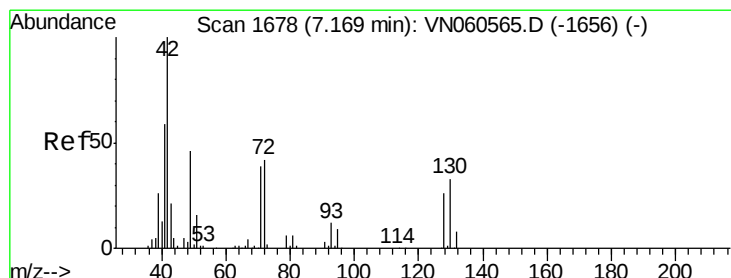
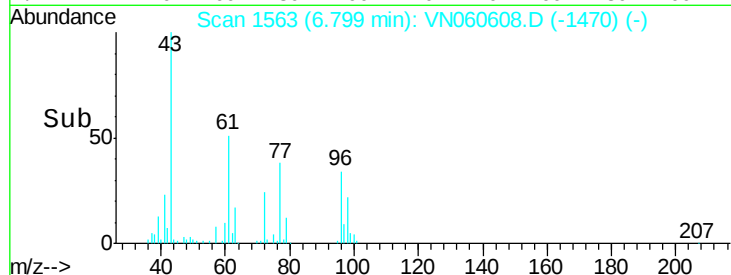
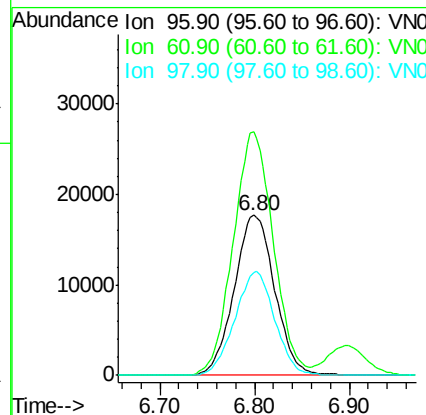
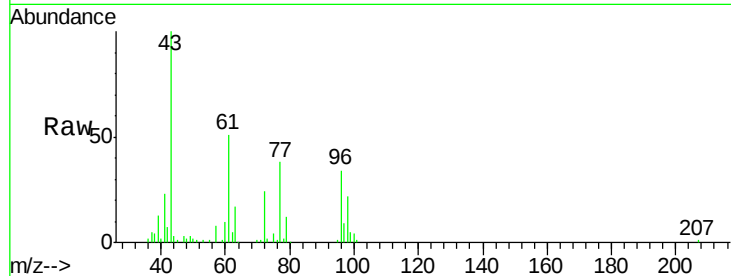
ClientSampleId :

VN0318WBSD02

Tot Ion:	96	Resp:	52680
Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	305.6
98	63.6	0.0	127.6

Manual Integrations
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3/19/2020 1:59:59 PM



#28

Bromochloromethane

Concen: 20.565 ug/l

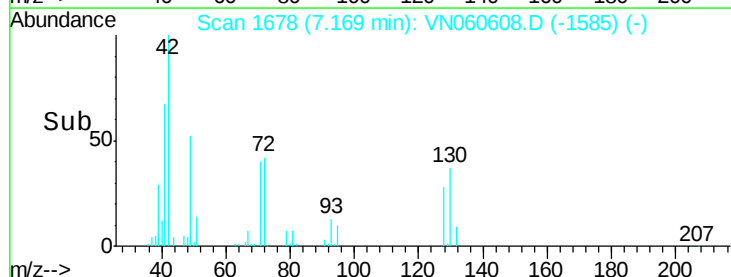
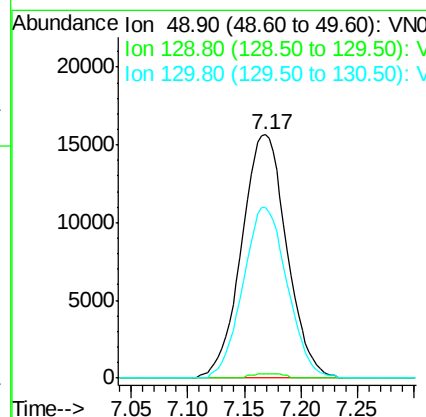
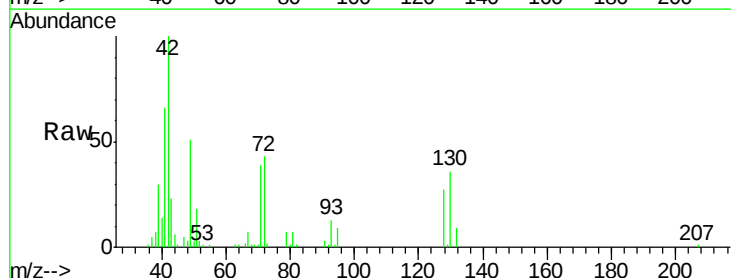
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion:	49	Resp:	43456
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	68.8	55.0	82.4





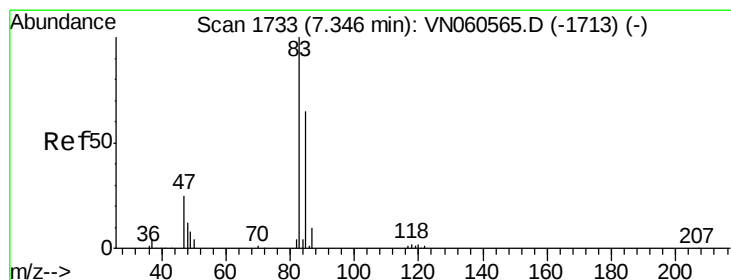
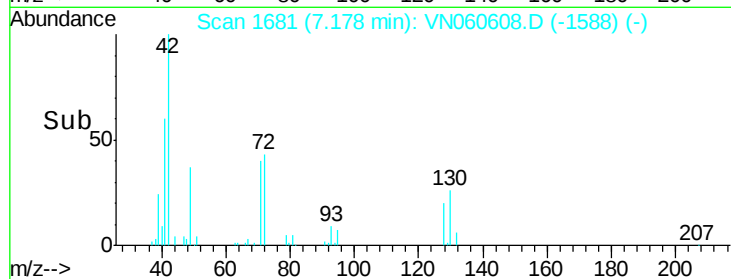
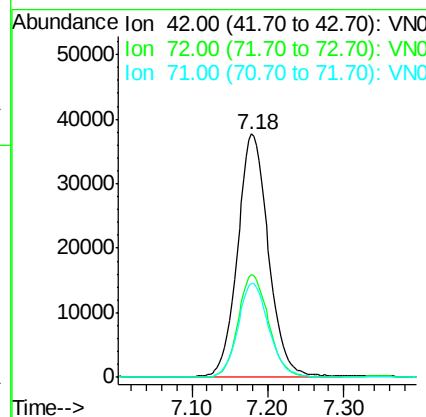
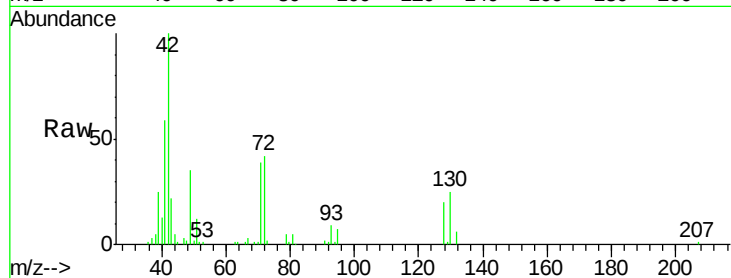
#29
Tetrahydrofuran
Concen: 95.179 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.2	49.8
71	38.4	31.1	46.7

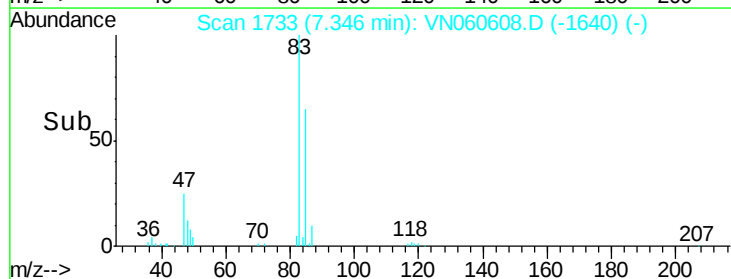
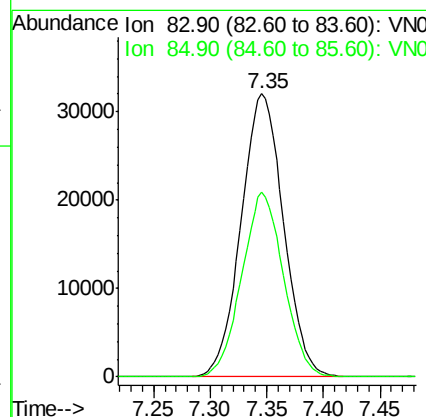
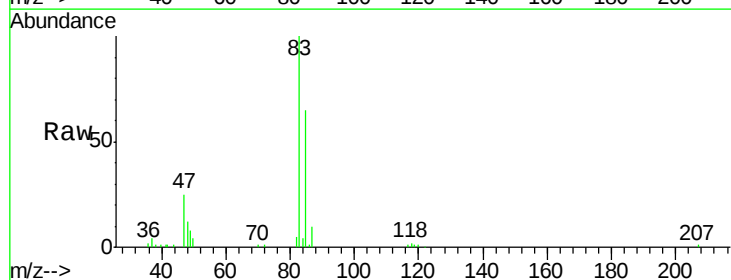
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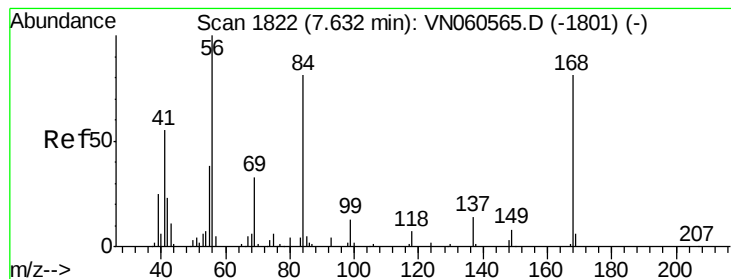
MMDadoda
3/19/2020 1:59:59 PM



#30
Chloroform
Concen: 19.728 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8





#31

Cyclohexane

Concen: 19.207 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

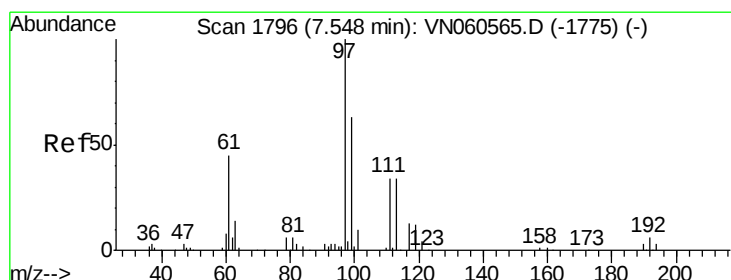
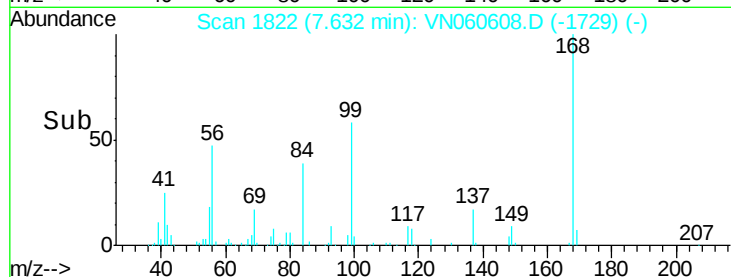
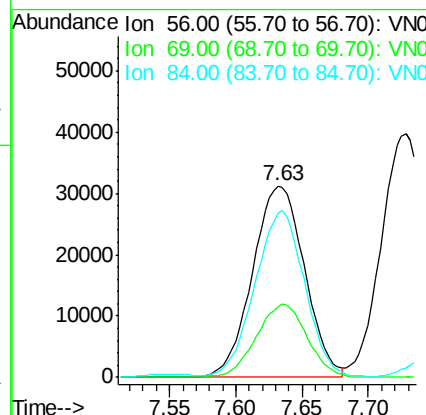
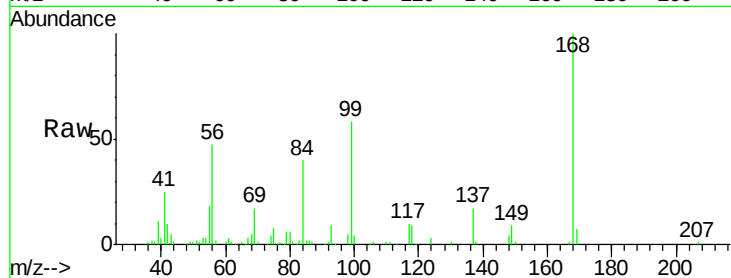
VN0318WBSD02

Tot Ion: 56 Resp: 85522

Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.6	40.0
84	84.9	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.871 ug/l

RT: 7.55 min Scan# 1796

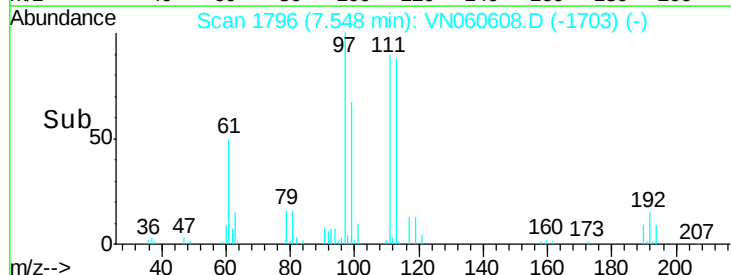
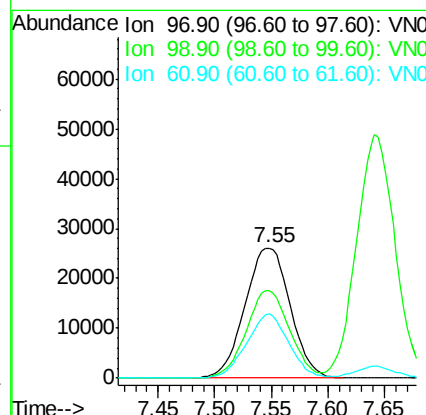
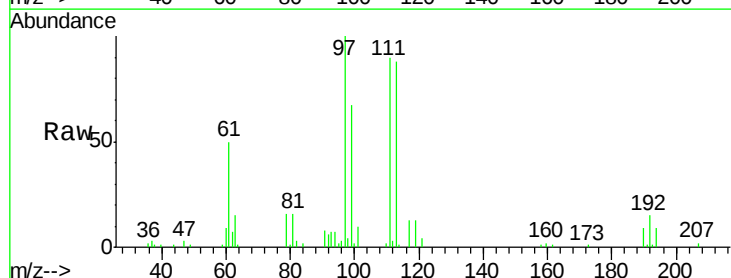
Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion: 97 Resp: 72533

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	75.8
61	46.1	36.2	54.4





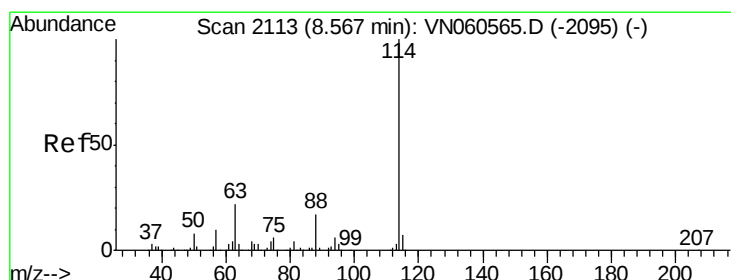
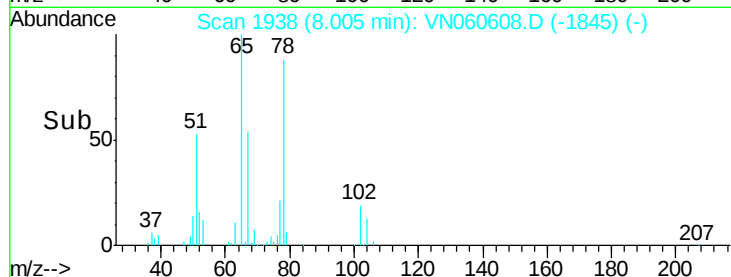
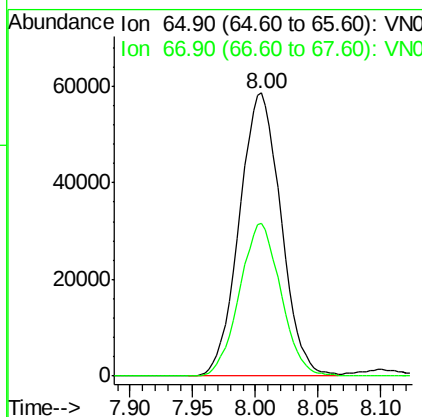
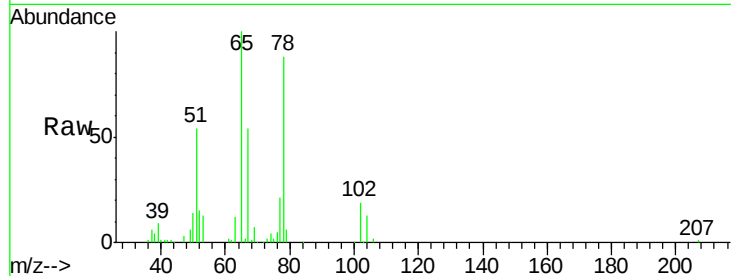
#33
 1,2-Dichloroethane-d4
 Concen: 48.970 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	107.6	

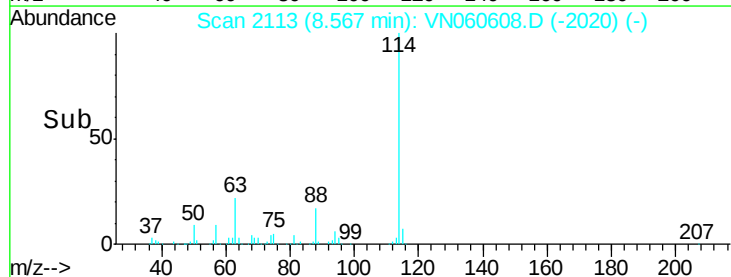
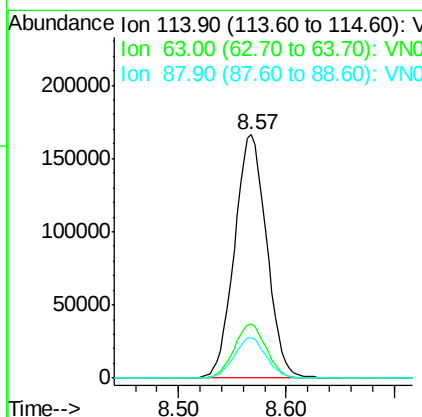
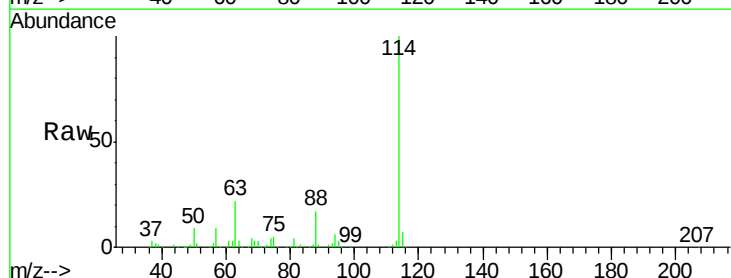
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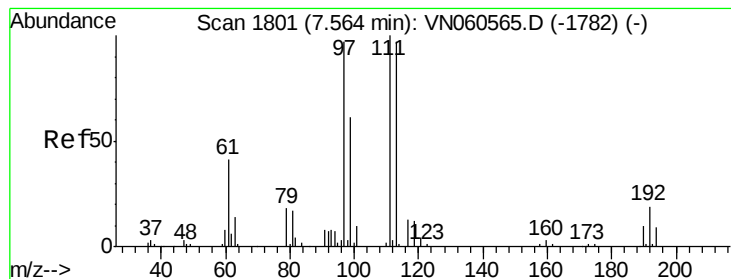
MMDadoda
 3/19/2020 1:59:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	43.8	
88	16.5	0.0	33.0	





#35

Dibromofluoromethane

Concen: 48.419 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

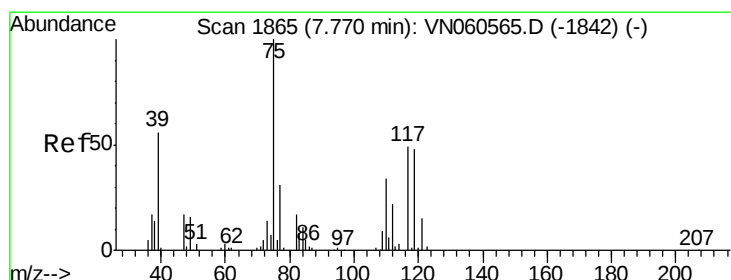
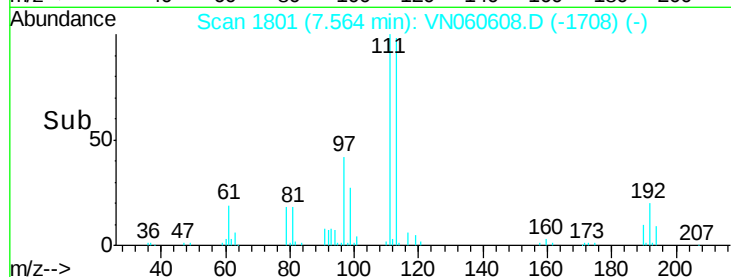
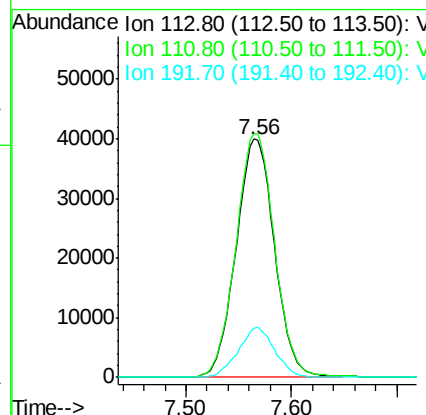
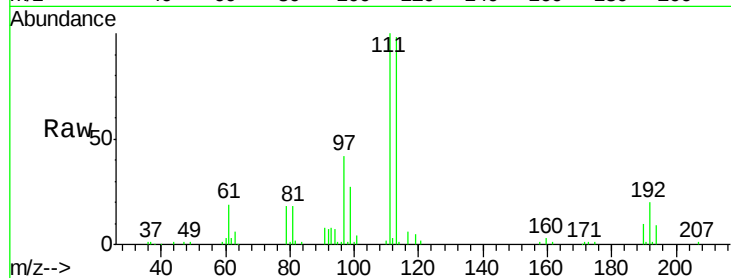
ClientSampleId :

VN0318WBSD02

Tot Ion:	113	Resp:	101192
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.9	124.3
192	19.8	15.8	23.8

Manual Integrations
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3/19/2020 1:59:59 PM



#36

1,1-Dichloropropene

Concen: 19.573 ug/l

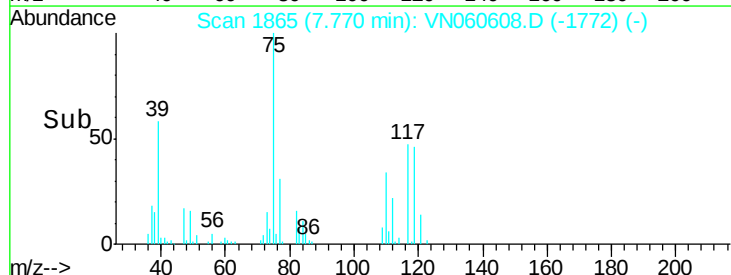
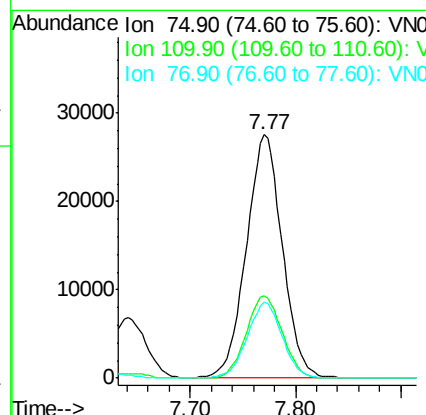
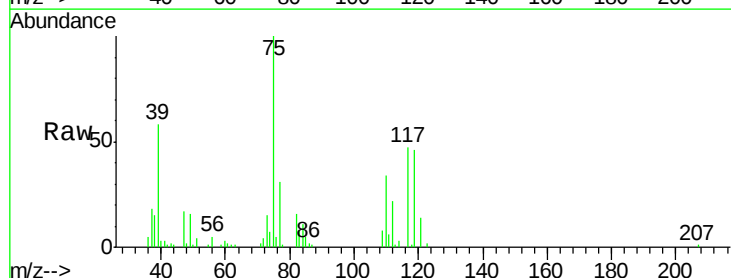
RT: 7.77 min Scan# 1865

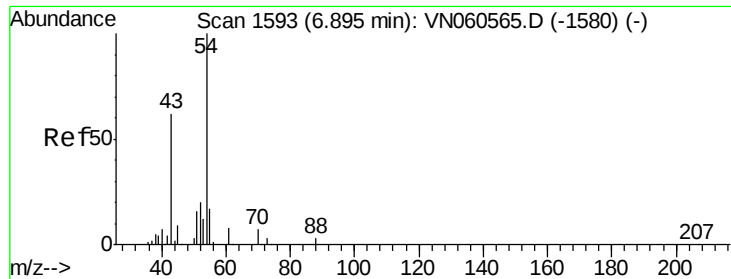
Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion:	75	Resp:	65506
Ion Ratio	Lower	Upper	
75	100		
110	33.6	16.9	50.6
77	30.3	24.6	36.8





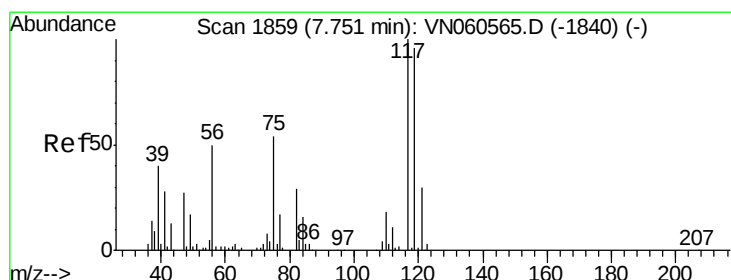
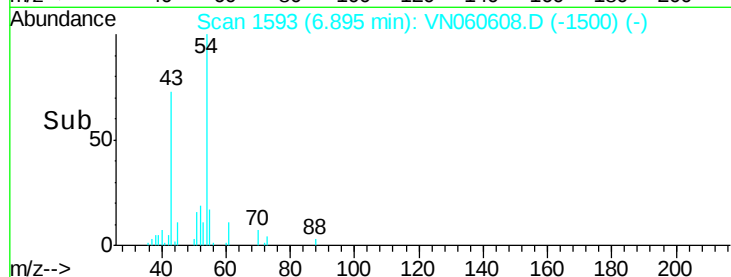
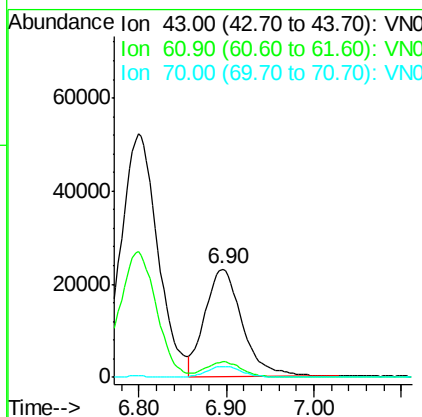
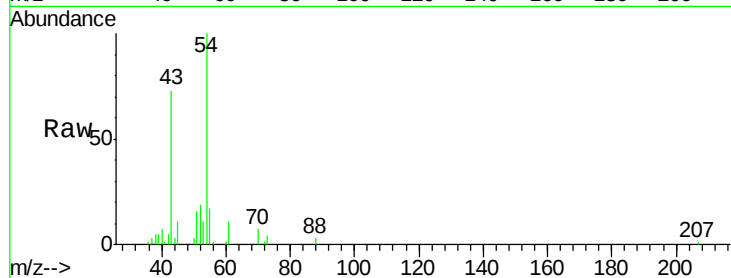
#37
Ethyl Acetate
Concen: 18.936 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampled :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	9.6	7.9	11.9

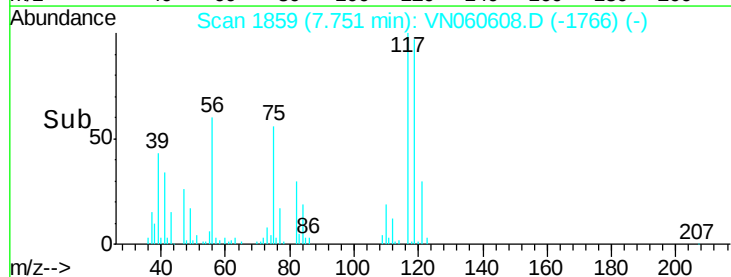
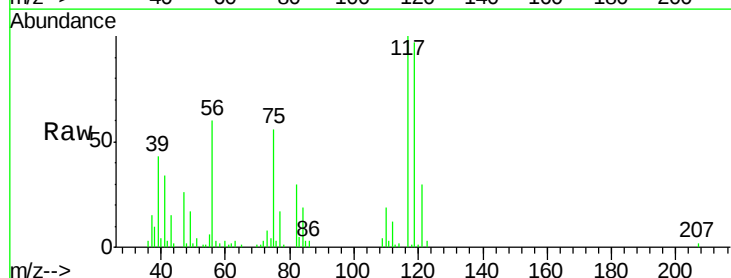
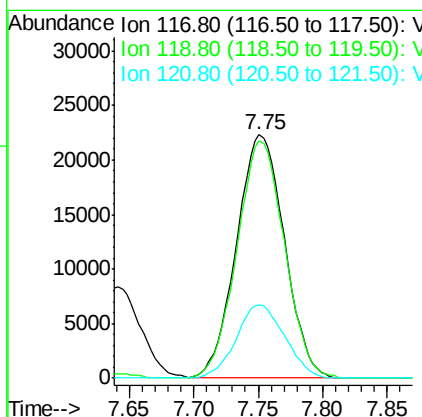
Manual Integrations
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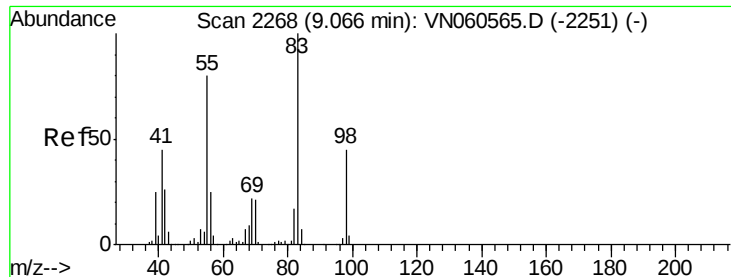
MMDadoda
3/19/2020 1:59:59 PM



#38
Carbon Tetrachloride
Concen: 19.273 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.2
121	30.3	23.7	35.5





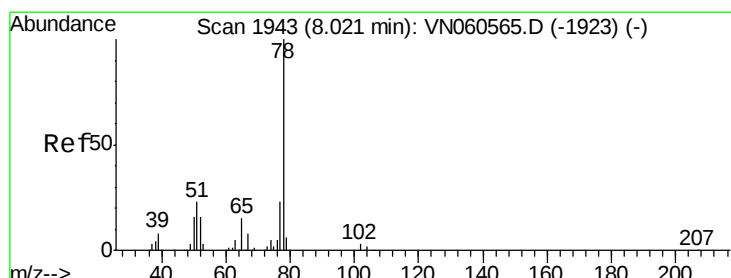
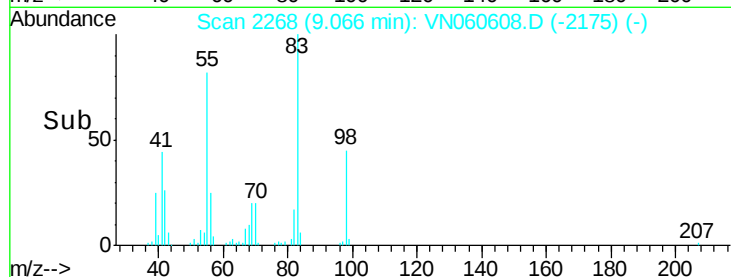
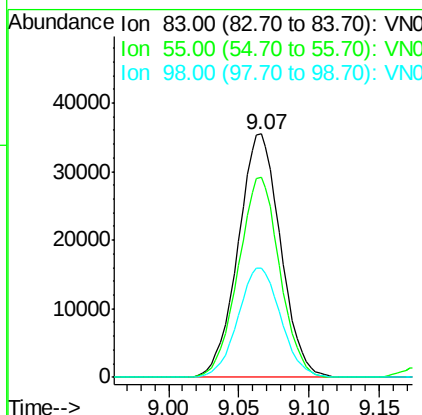
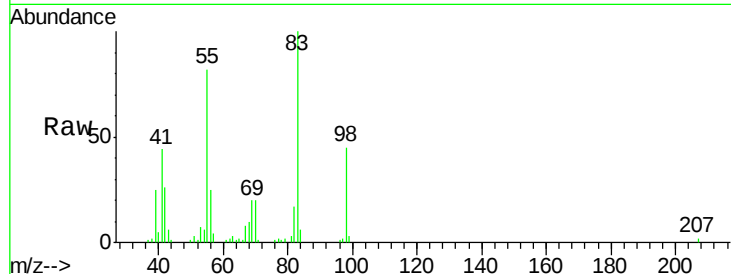
#39
Methvlcvclohexane
Concen: 18.784 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	63.6	95.4
98	45.1	36.0	54.0

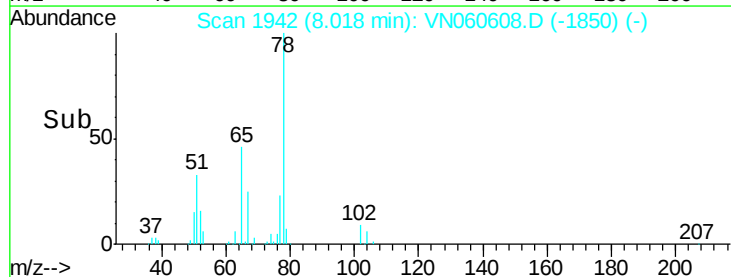
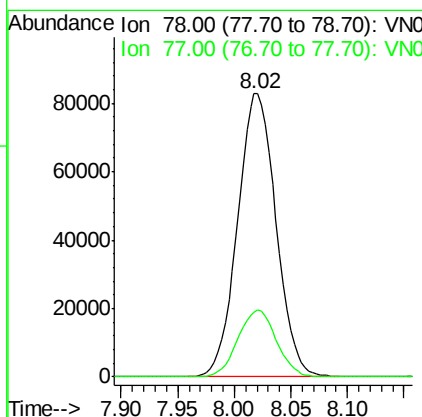
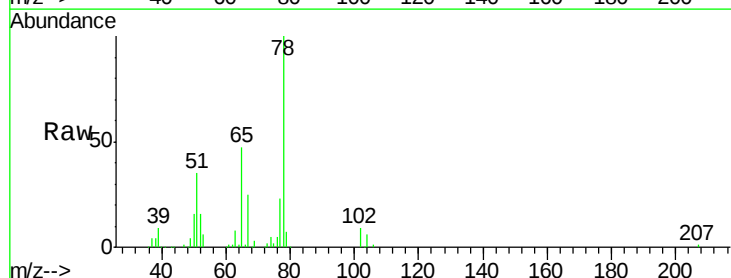
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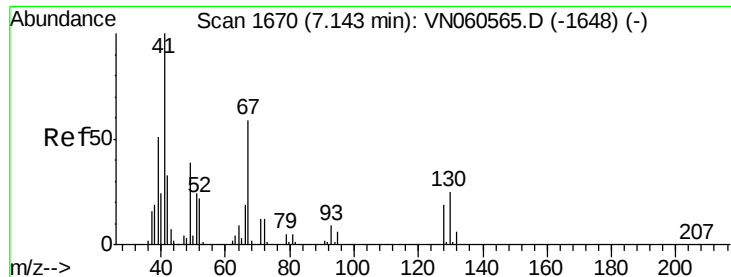
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#40
Benzene
Concen: 19.399 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	28.0





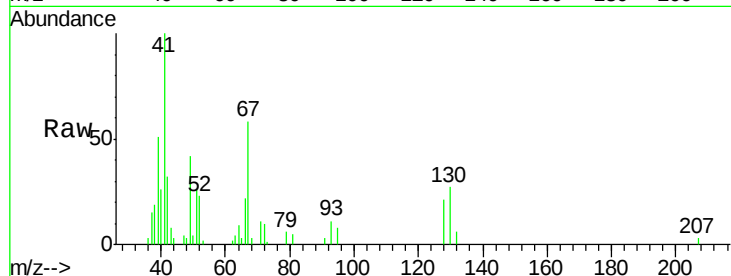
#41
Methacrylonitrile
Concen: 16.222 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

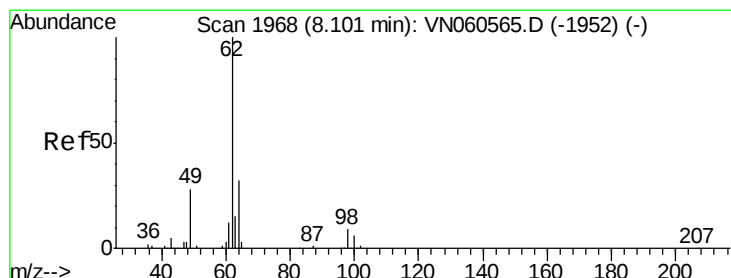
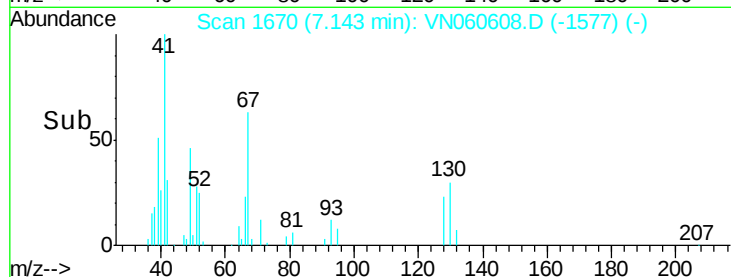
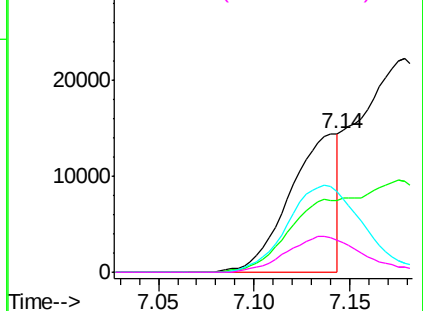
Tot Ion	41	Resp	25036
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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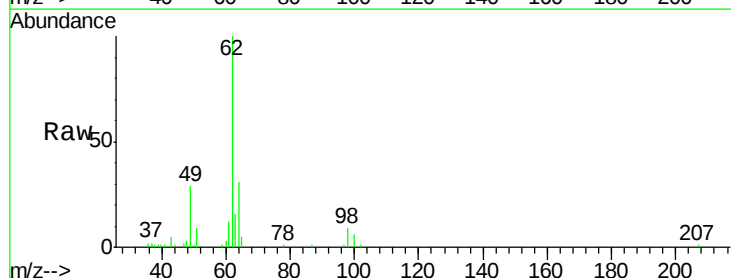


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

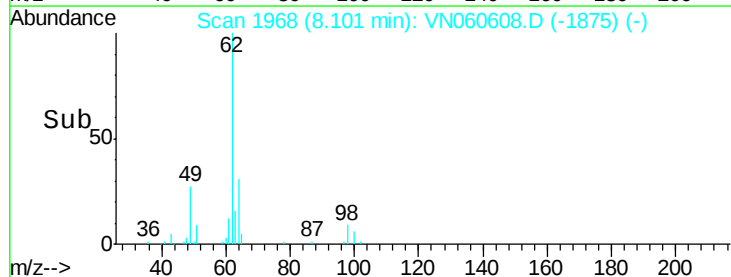
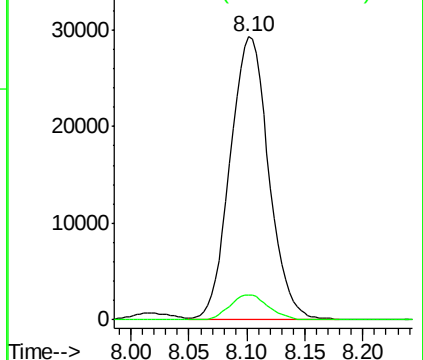


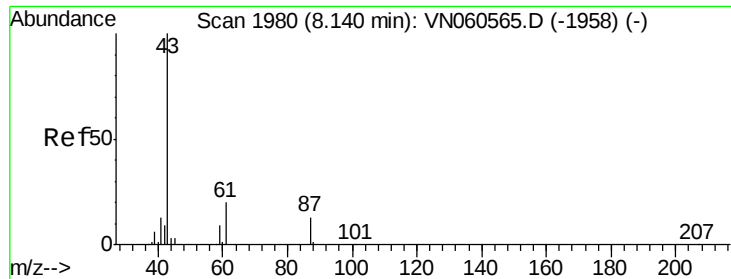
#42
1,2-Dichloroethane
Concen: 19.629 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	62	Resp	67774
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





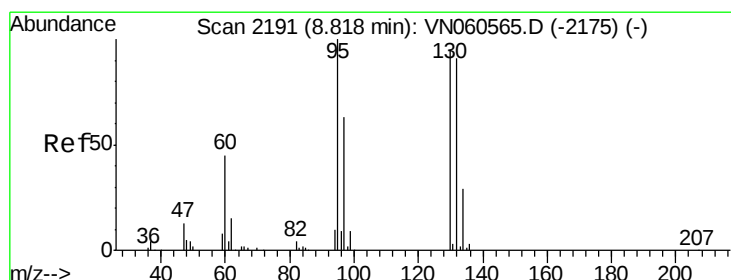
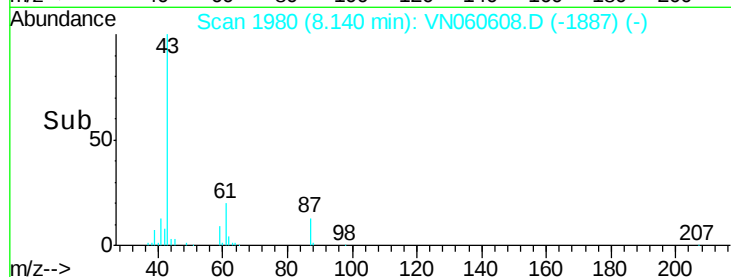
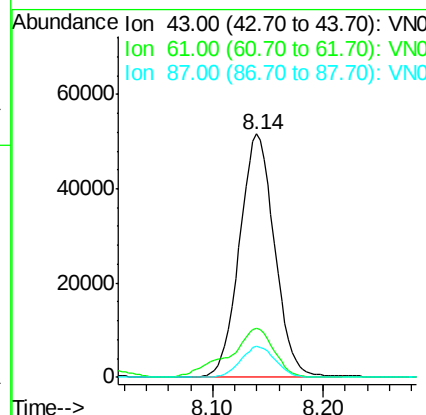
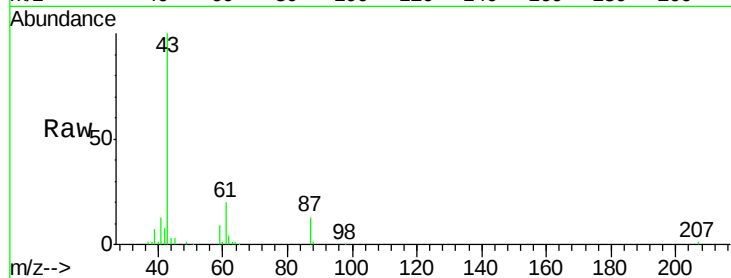
#43
Isopropyl Acetate
Concen: 19.061 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	12.6	9.8	14.8

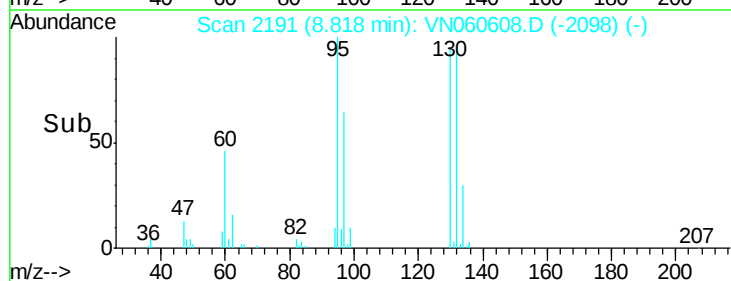
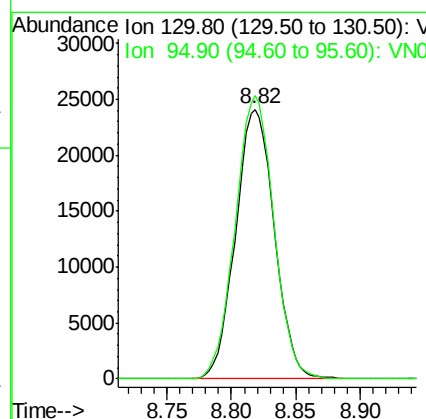
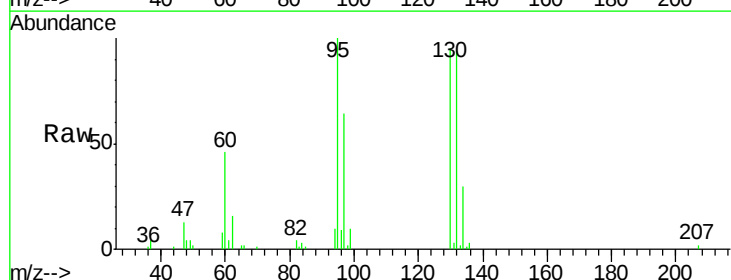
Manual Integrations
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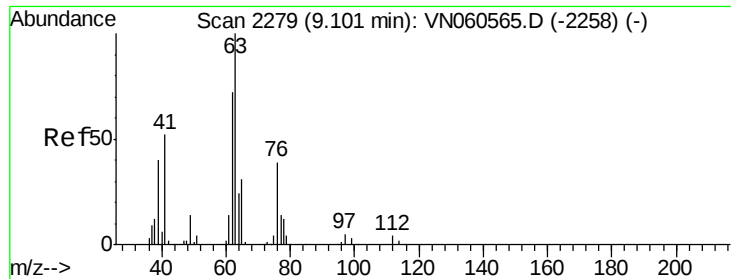
MMDadoda
3/19/2020 1:59:59 PM



#44
Trichloroethene
Concen: 19.798 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	211.2





#45

1,2-Dichloropropane

Concen: 19.856 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 63 Resp: 52933

Ion Ratio Lower Upper

63 100

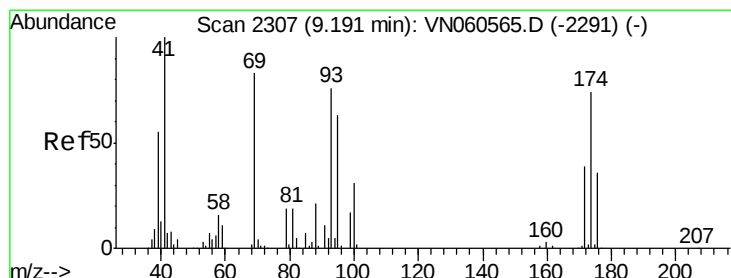
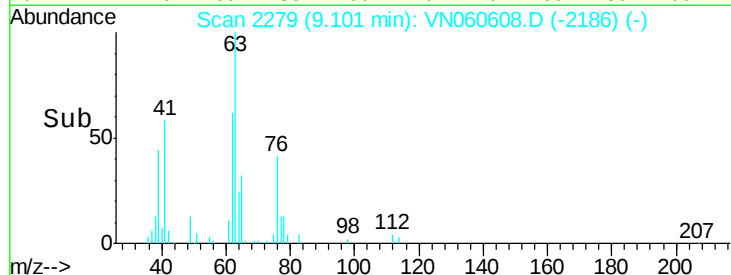
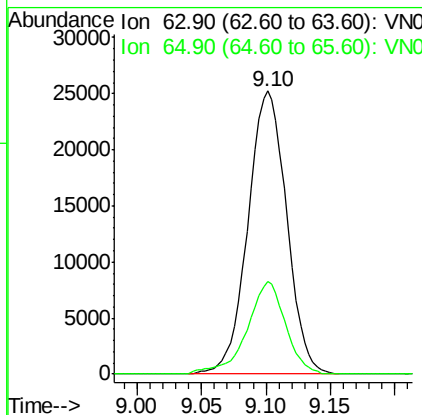
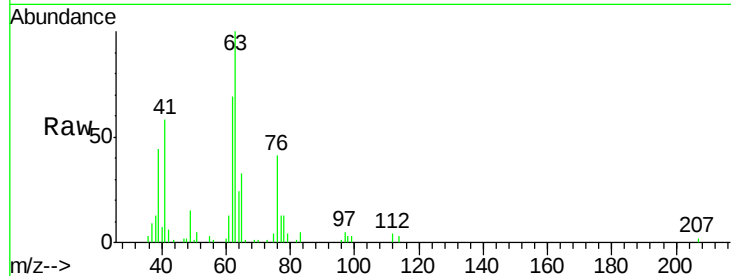
65 32.5 25.4 38.0

Manual Integrations

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MMDadoda

3/19/2020 1:59:59 PM



#46

Dibromomethane

Concen: 19.352 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

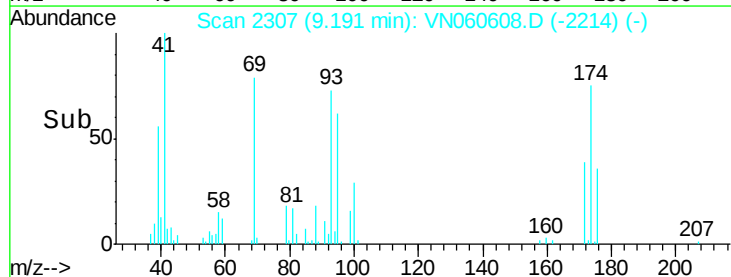
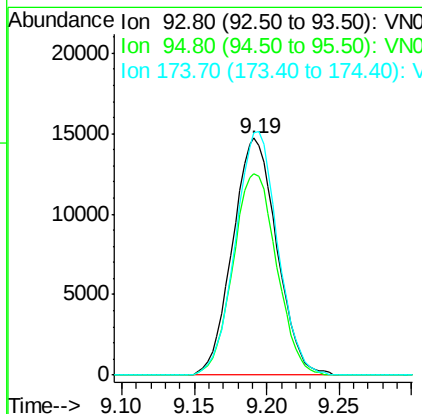
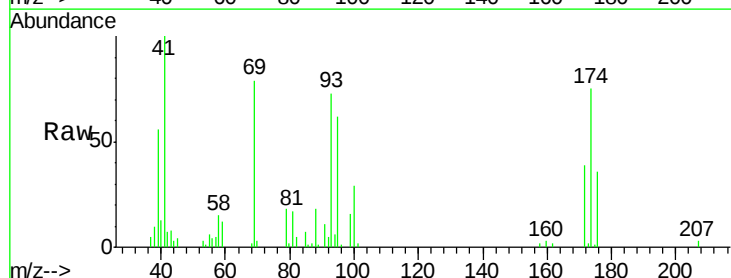
Tgt Ion: 93 Resp: 31190

Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

174 98.5 77.9 116.9





#47

Bromodichloromethane

Concen: 19.037 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

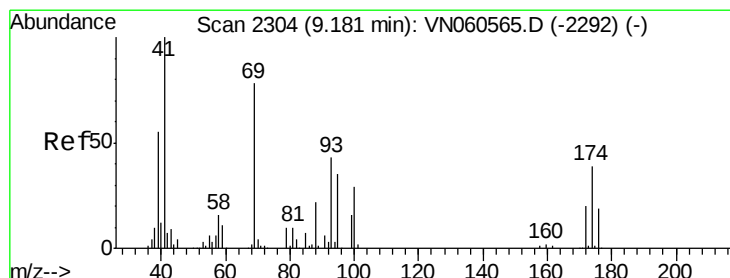
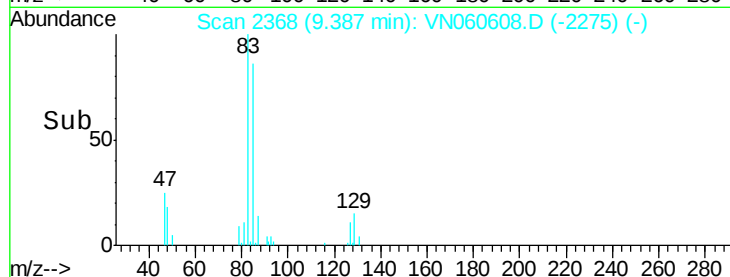
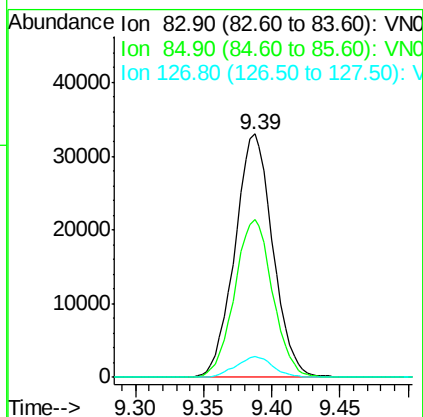
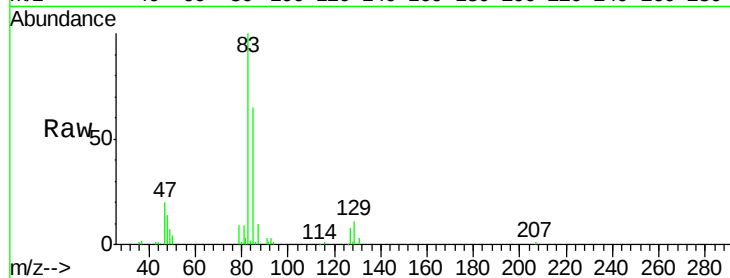
ClientSampleId :

VN0318WBSD02

Tot Ion:	83	Resp:	63757
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6
127	8.4	6.5	9.7

Manual Integrations
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MMDadoda
3/19/2020 1:59:59 PM



#48

Methyl methacrylate

Concen: 18.307 ug/l

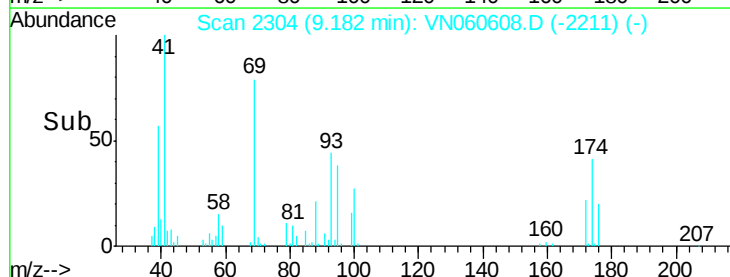
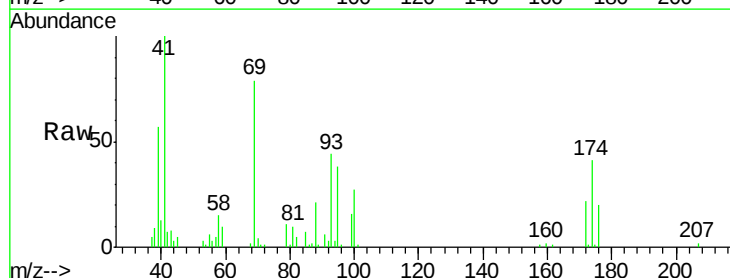
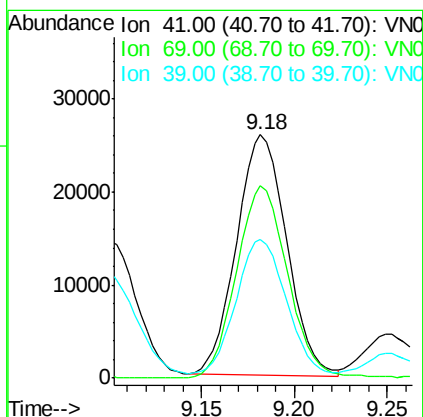
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion:	41	Resp:	48610
Ion	Ratio	Lower	Upper
41	100		
69	81.9	65.4	98.0
39	55.7	44.0	66.0





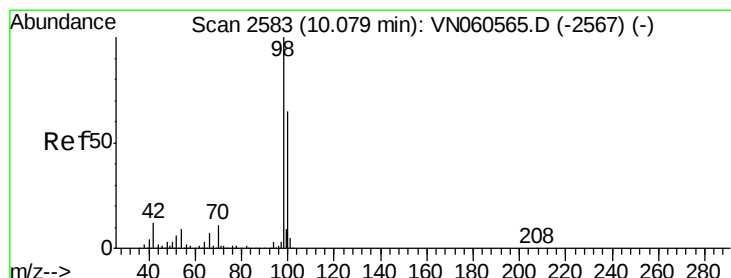
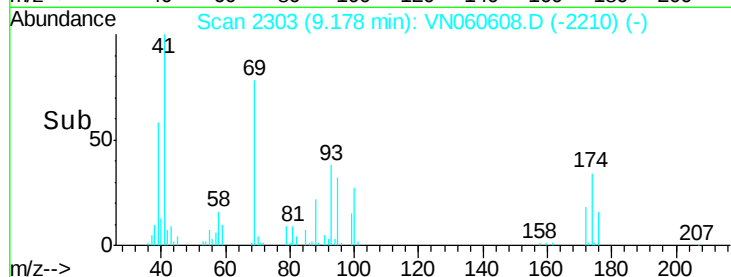
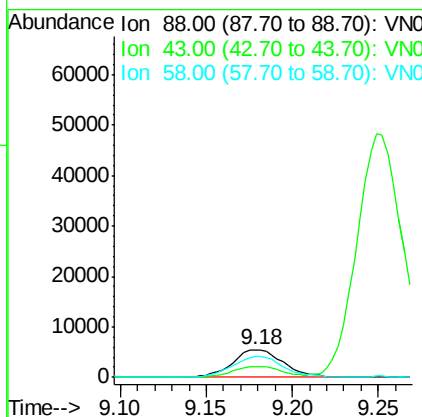
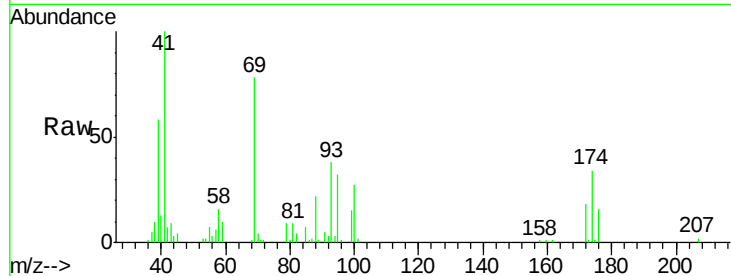
#49
1,4-Dioxane
Concen: 355.209 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	30.8	46.2
58	76.3	59.8	89.8

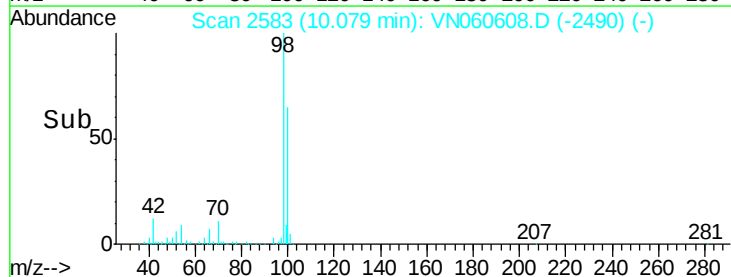
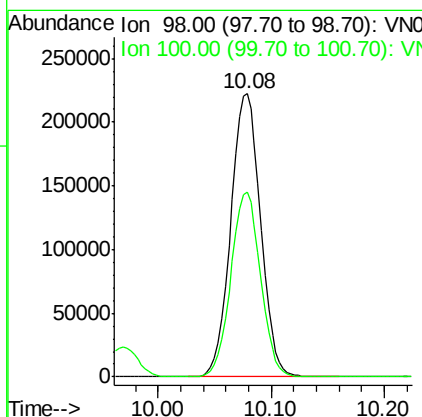
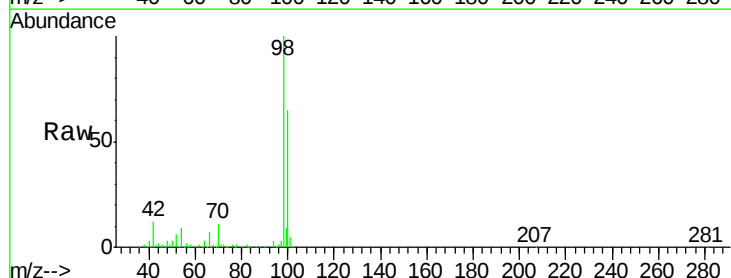
Manual Integrations
APPROVED

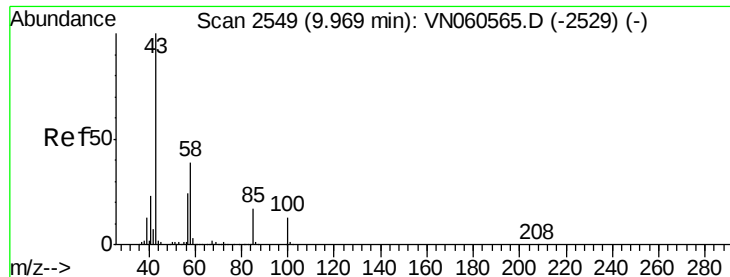
MMDadoda
3/19/2020 1:59:59 PM



#50
Toluene-d8
Concen: 47.704 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 95.922 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 43 Resp: 325538

Ion Ratio Lower Upper

43 100

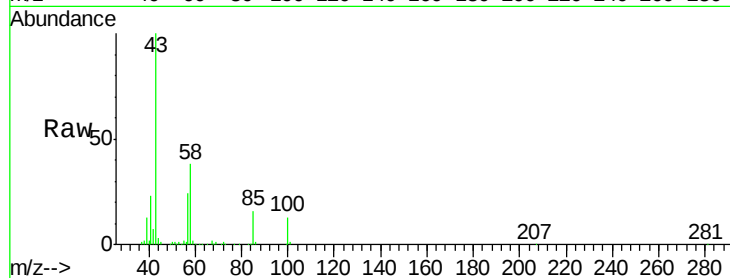
58 38.5 30.8 46.2

Manual Integrations

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3/19/2020 1:59:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060608.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060608.D (-2456) (-)

9.97

200000

150000

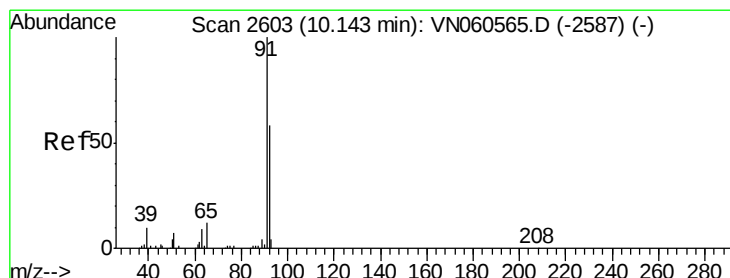
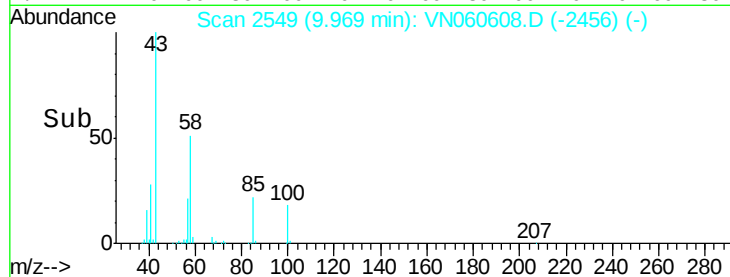
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 19.289 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060608.D

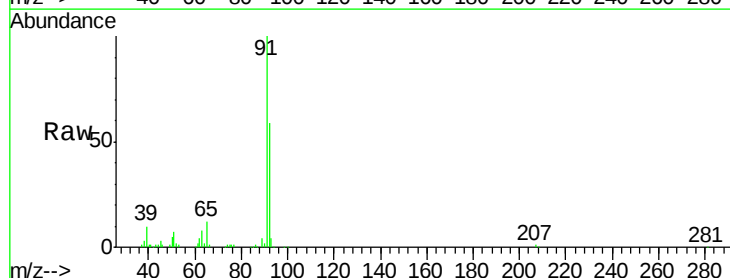
Acq: 18 Mar 2020 22:28

Tgt Ion: 92 Resp: 117697

Ion Ratio Lower Upper

92 100

91 172.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060608.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060608.D (-2510) (-)

10.14

120000

100000

80000

60000

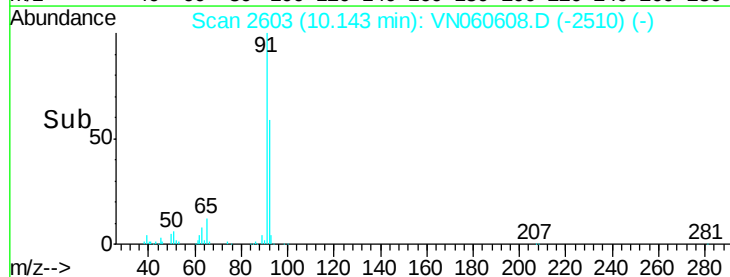
40000

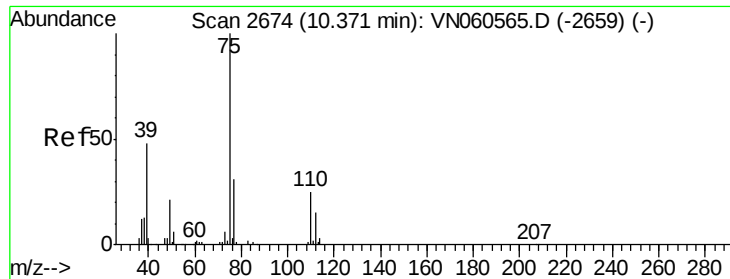
20000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.197 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 75 Resp: 73852

Ion Ratio Lower Upper

75 100

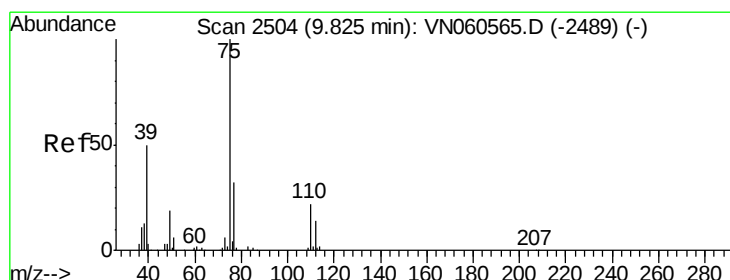
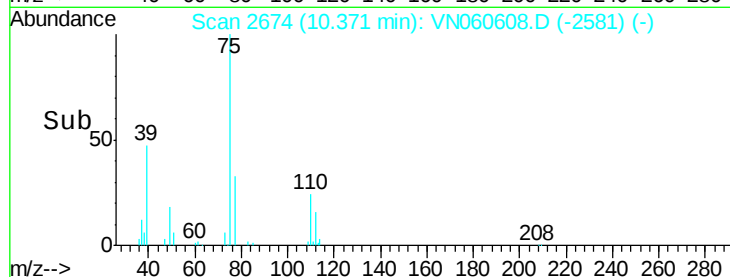
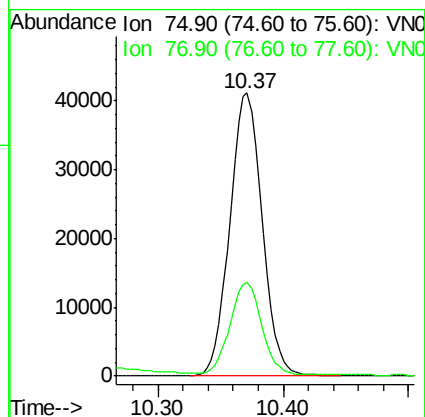
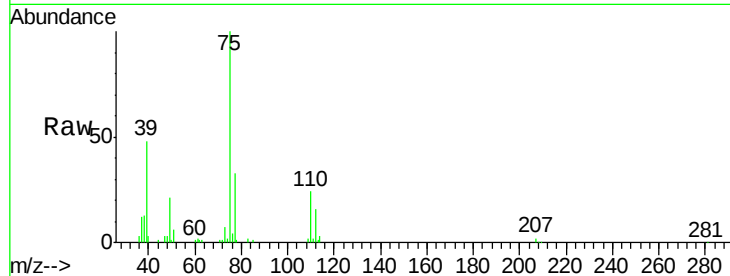
77 32.5 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

3/19/2020 1:59:59 PM



#54

cis-1,3-Dichloropropene

Concen: 19.175 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

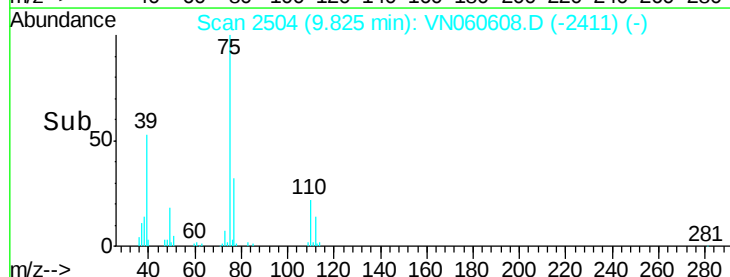
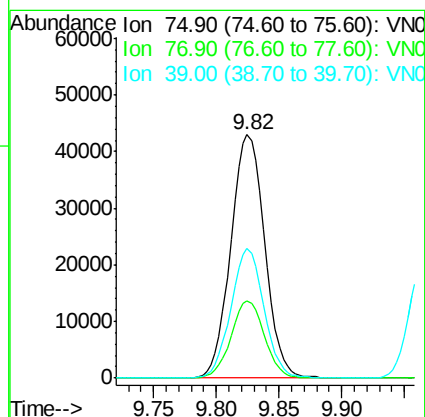
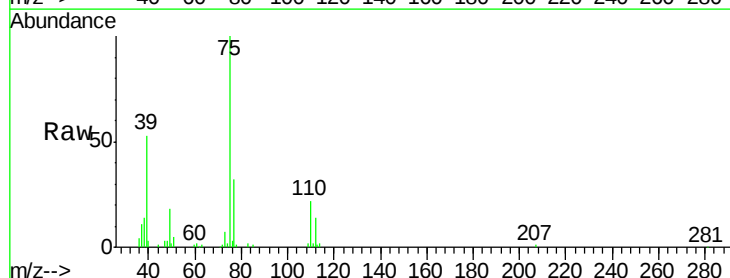
Tgt Ion: 75 Resp: 80928

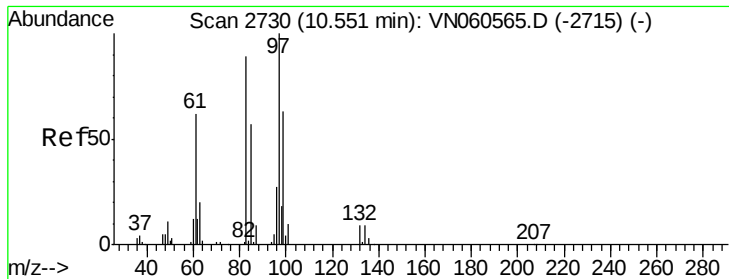
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 53.0 40.2 60.4





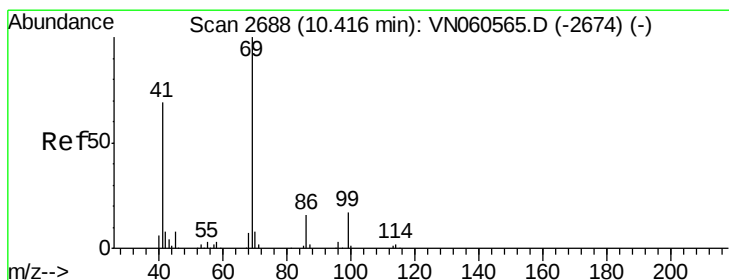
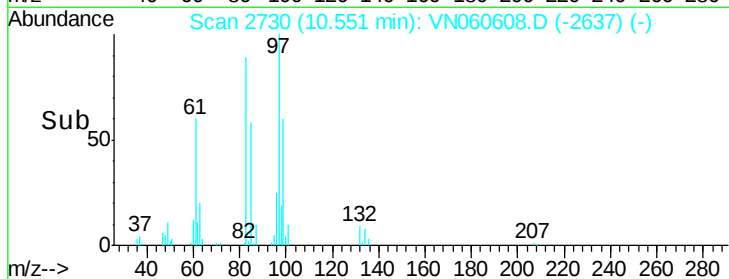
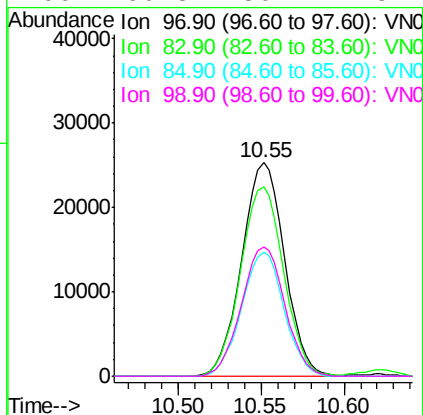
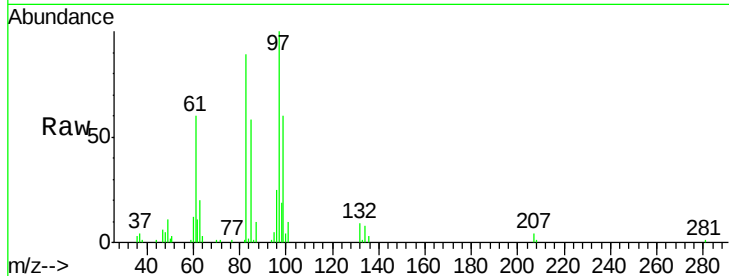
#55
 1,1,2-Trichloroethane
 Concen: 19.395 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45527		
83	88.9	71.3	106.9		
85	58.2	45.2	67.8		
99	60.3	50.1	75.1		

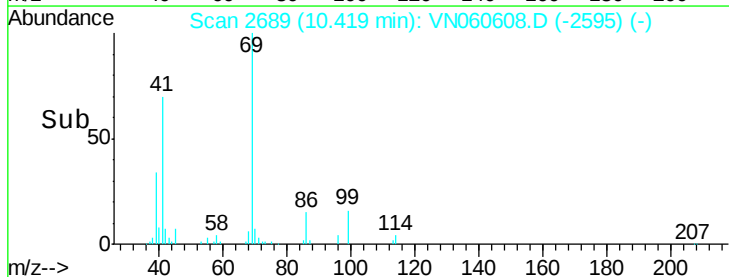
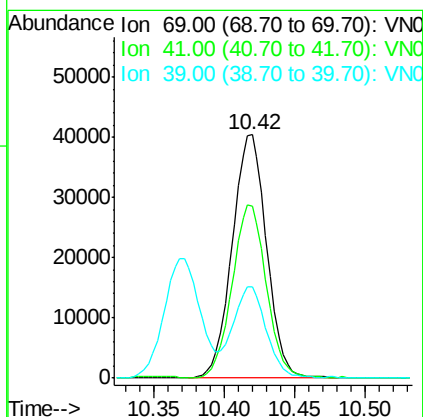
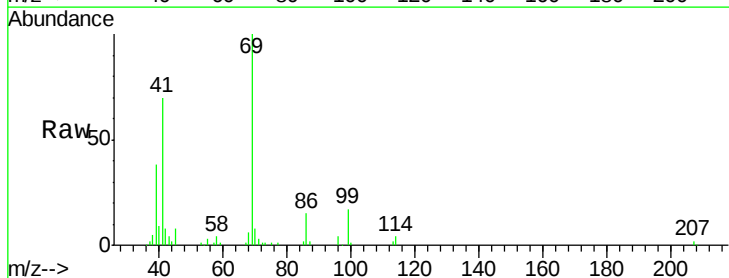
Manual Integrations
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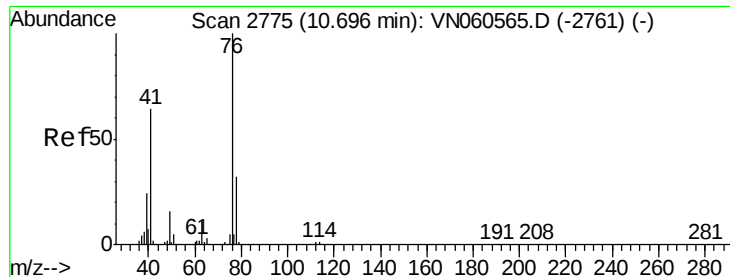
MMDadoda
 3/19/2020 1:59:59 PM



#56
 Ethyl methacrylate
 Concen: 18.874 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		69080		
41	70.8	55.4	83.2		
39	36.5	29.4	44.0		





#57

1,3-Dichloropropane

Concen: 19.678 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 76 Resp: 80158

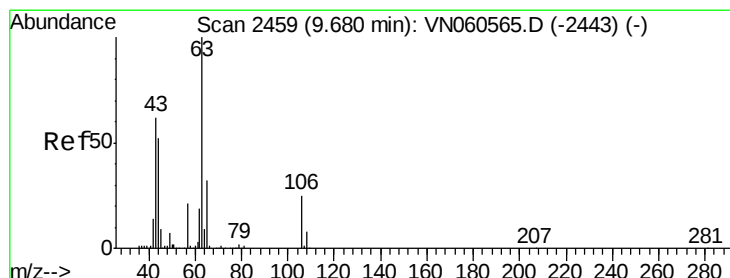
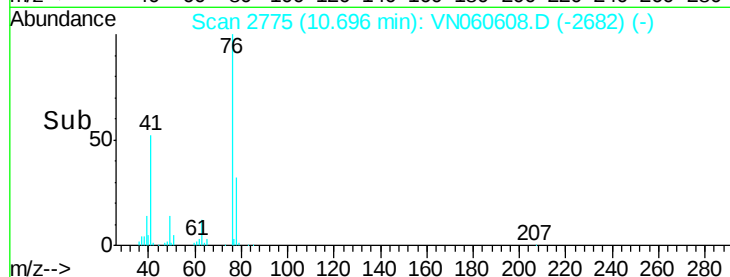
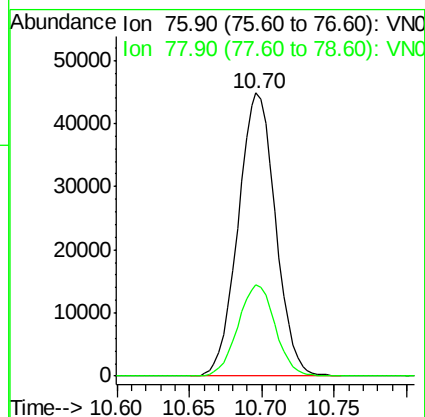
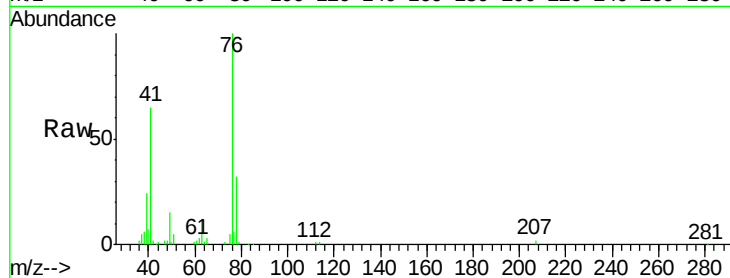
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6

Manual Integrations
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3/19/2020 1:59:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.672 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060608.D

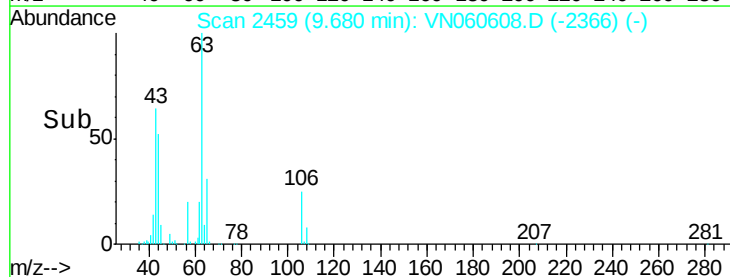
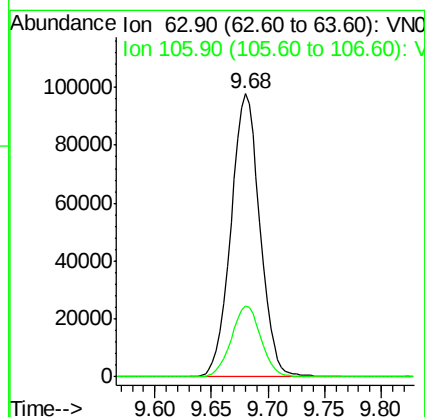
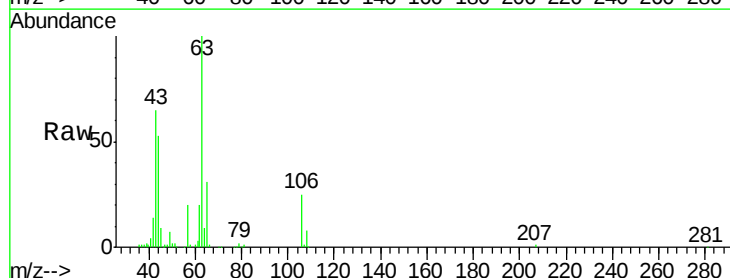
Acq: 18 Mar 2020 22:28

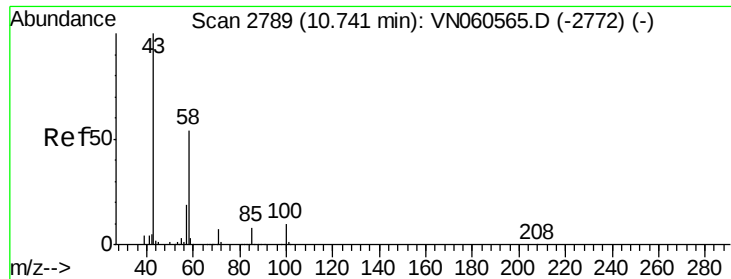
Tgt Ion: 63 Resp: 174039

Ion Ratio Lower Upper

63 100

106 25.6 20.0 30.0





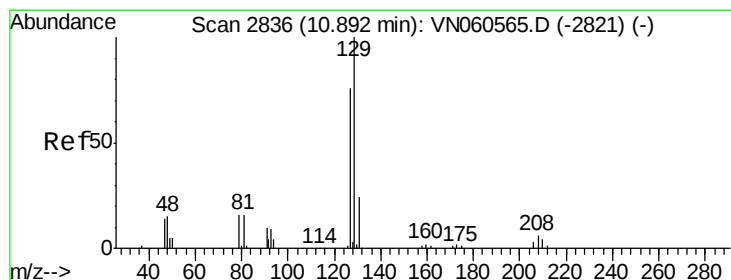
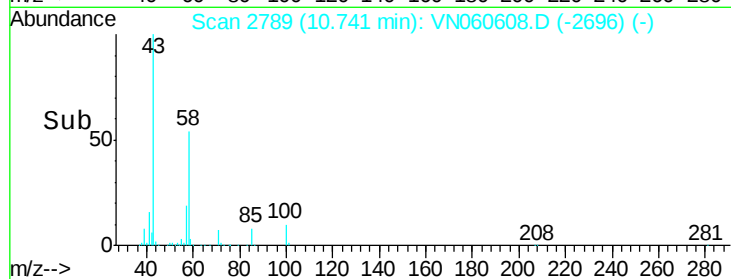
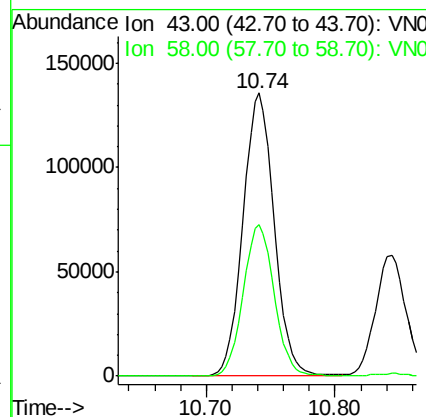
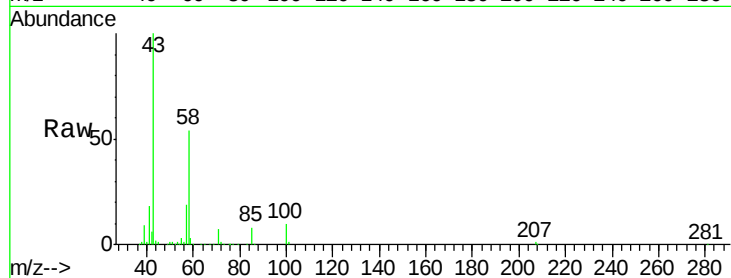
#59
2-Hexanone
Concen: 93.540 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion: 43 Resp: 228677
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1

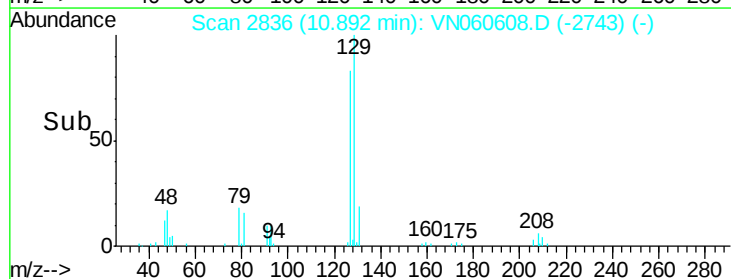
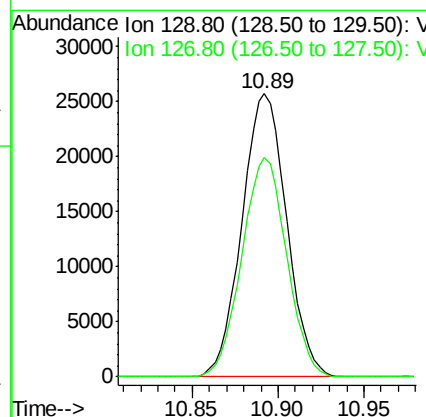
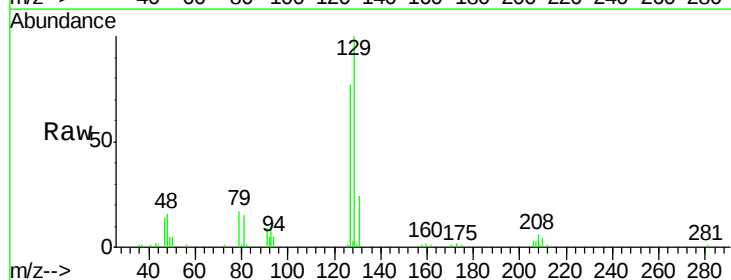
Manual Integrations
APPROVED

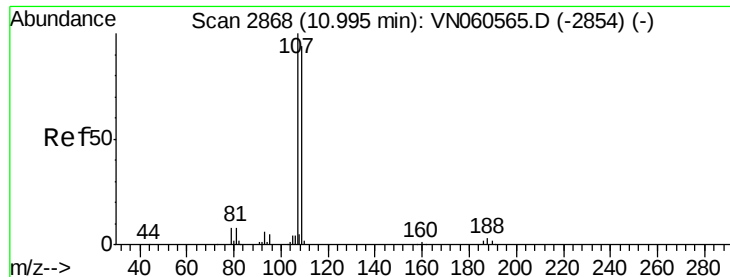
MMDadoda
3/19/2020 1:59:59 PM



#60
Dibromochloromethane
Concen: 19.094 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion: 129 Resp: 46299
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





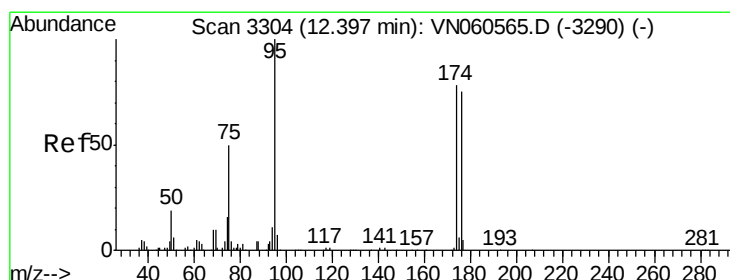
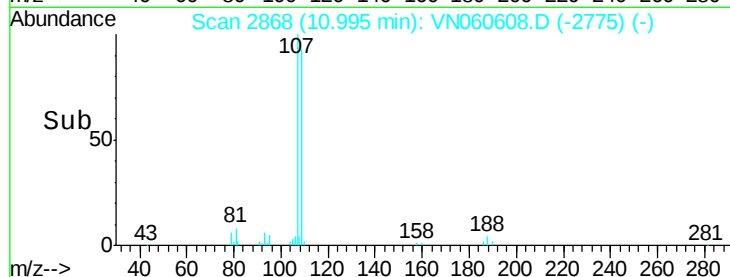
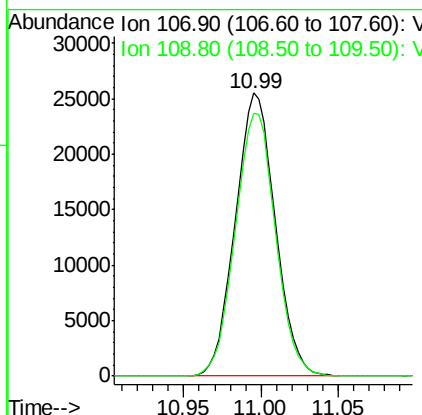
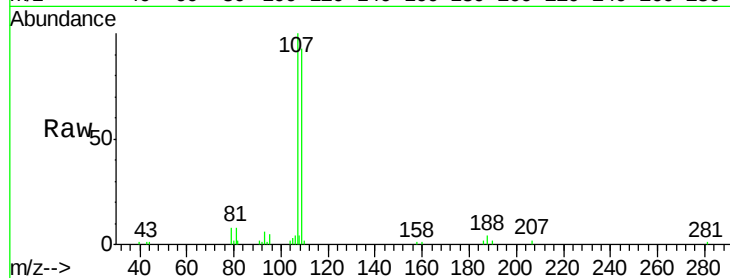
#61
 1,2-Dibromoethane
 Concen: 19.400 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion: 107 Resp: 45792
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.4 113.2

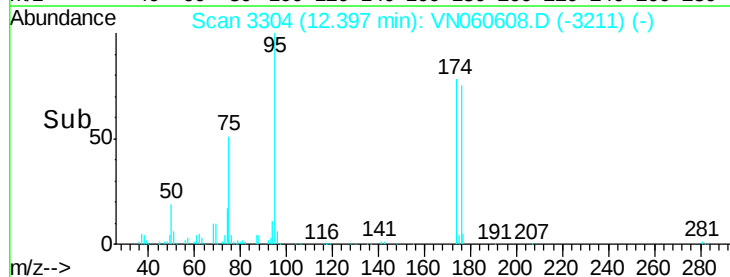
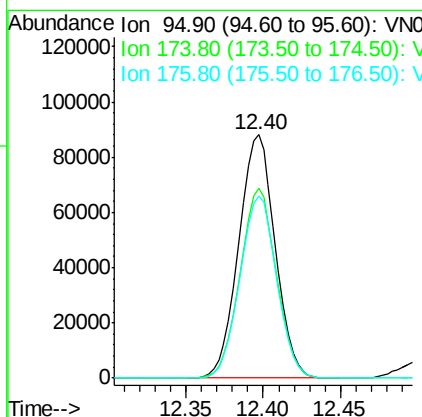
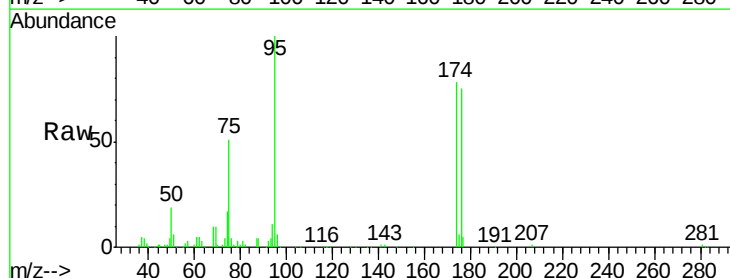
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 46.113 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Tgt Ion: 95 Resp: 144267
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 157.6
 176 75.6 0.0 150.6





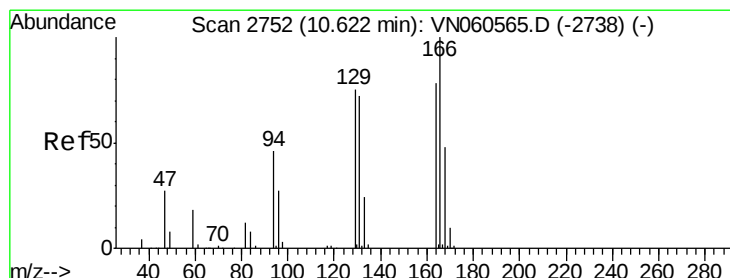
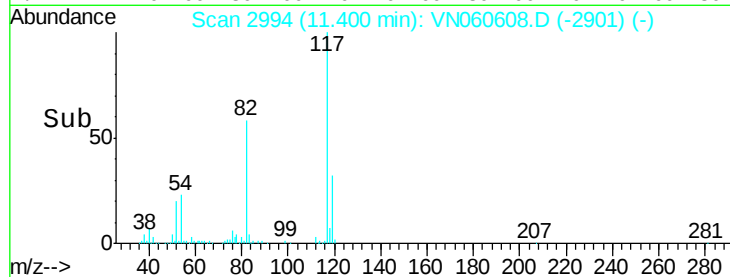
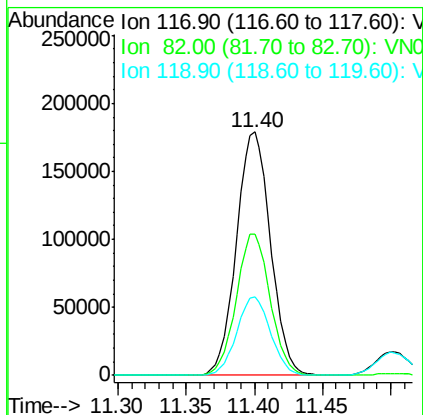
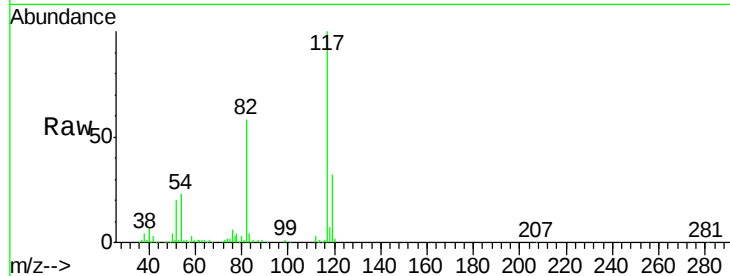
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.7	70.1
119	32.2	25.5	38.3

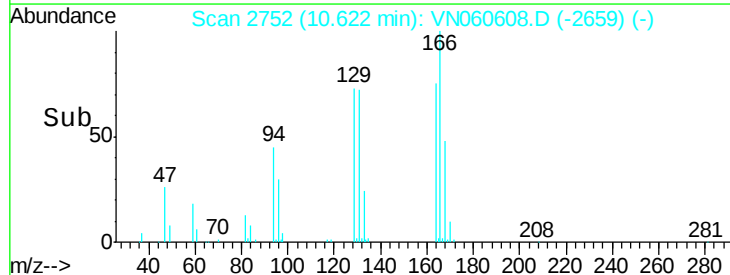
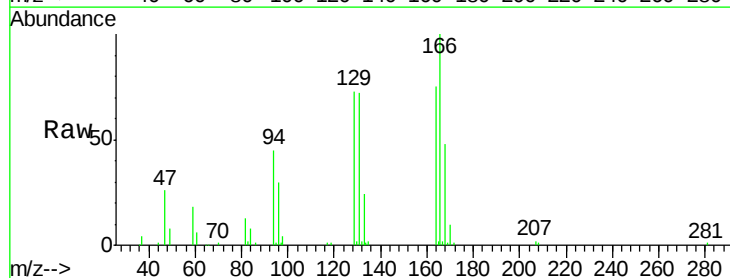
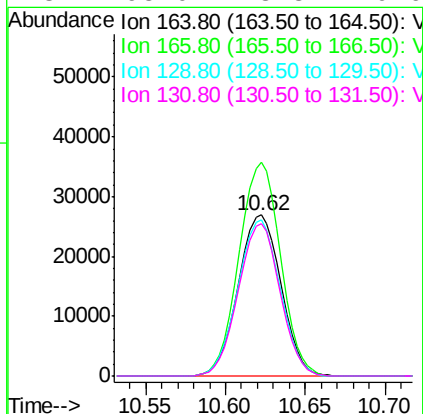
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#64
Tetrachloroethene
Concen: 20.113 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	102.7	154.1
129	96.9	77.2	115.8
131	95.0	73.8	110.6





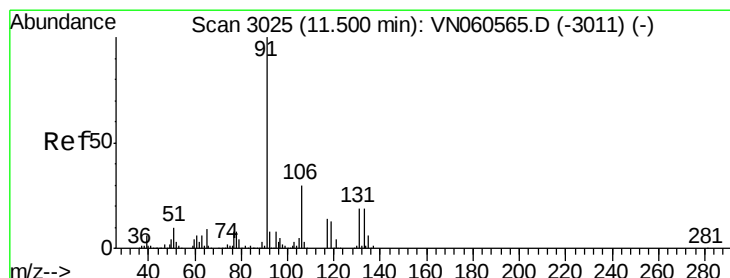
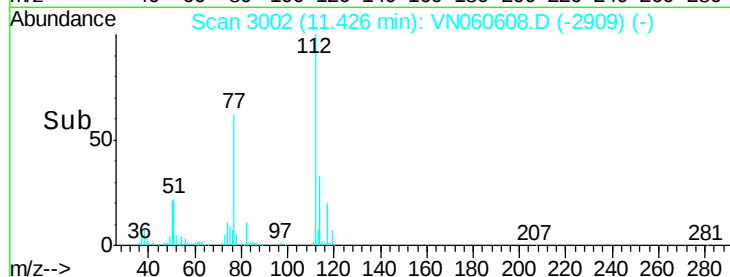
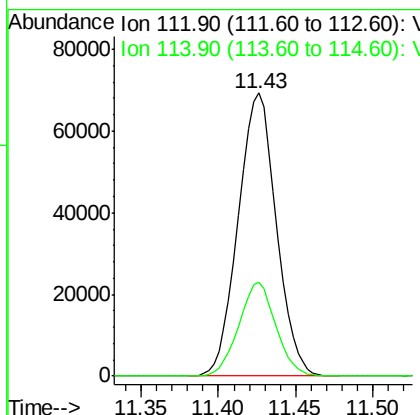
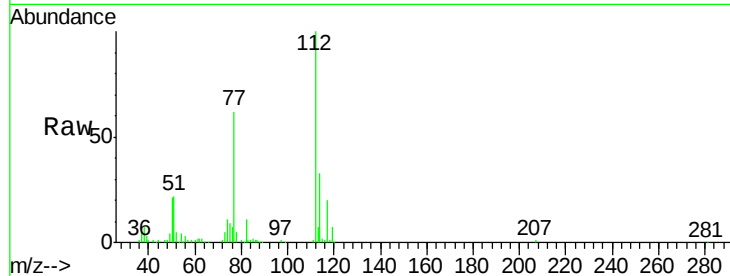
#65
Chlorobenzene
Concen: 19.329 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.8	38.6

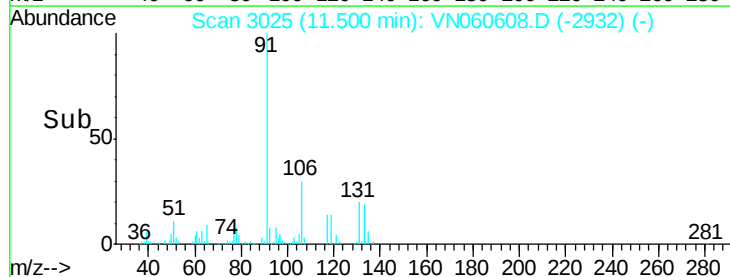
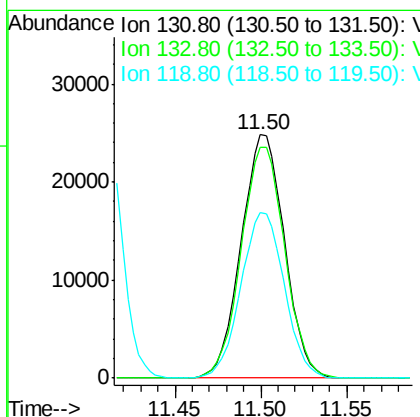
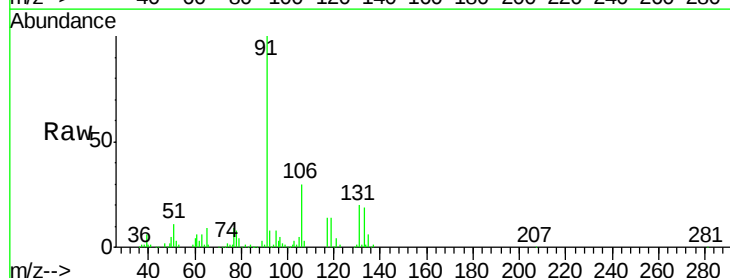
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.482 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.9	146.8
119	68.1	33.9	101.7





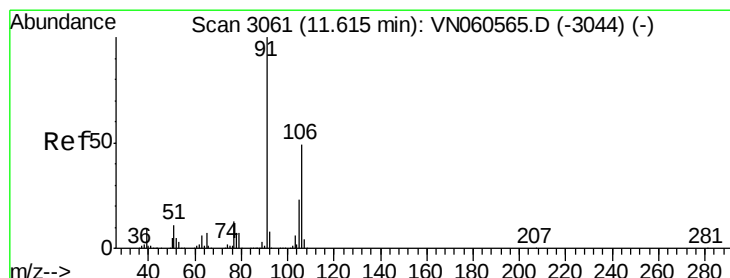
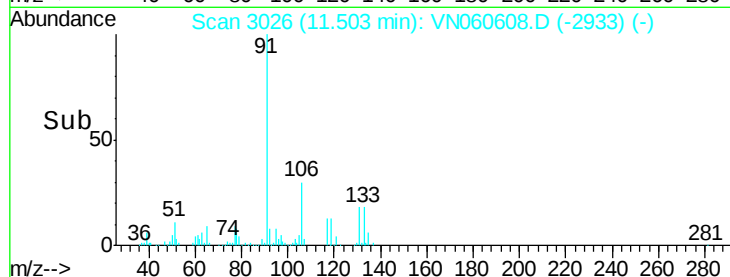
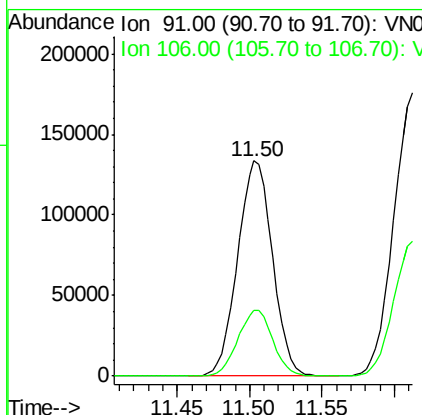
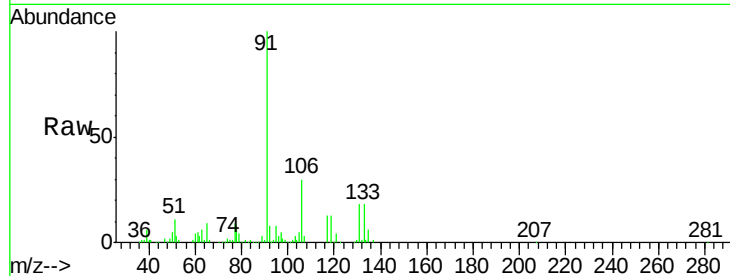
#67
Ethyl Benzene
Concen: 19.484 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.5	24.2	36.2	

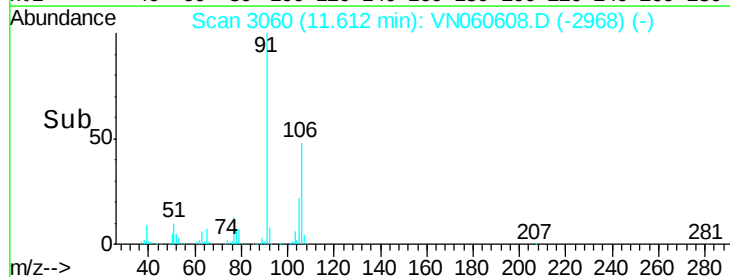
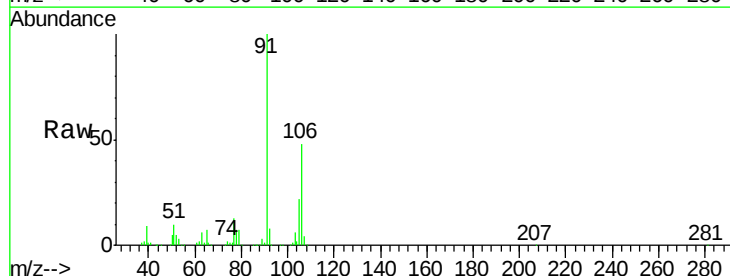
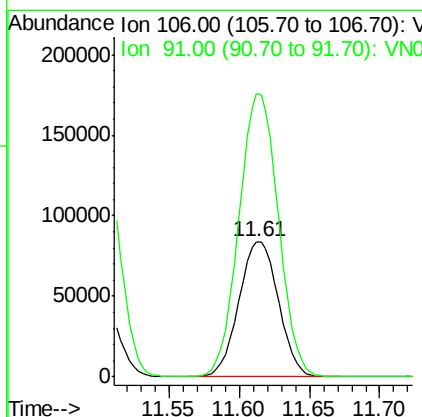
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#68
m/p-Xylenes
Concen: 38.713 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.2	165.0	247.4	





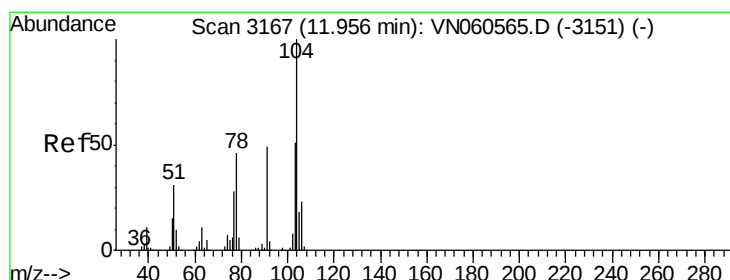
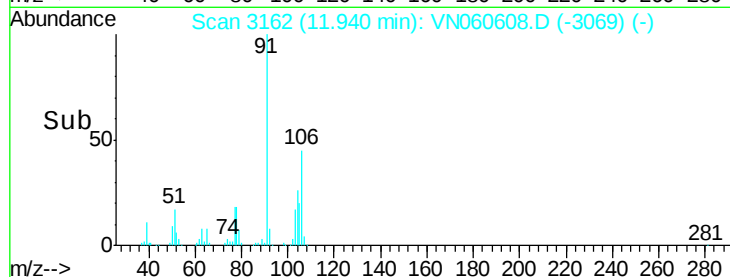
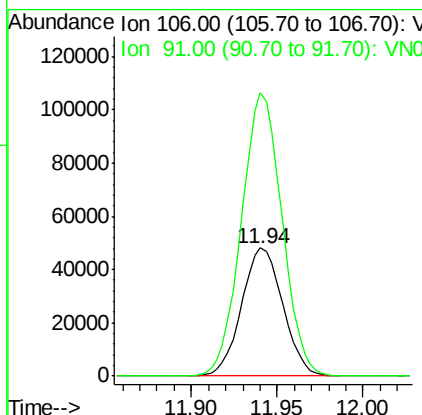
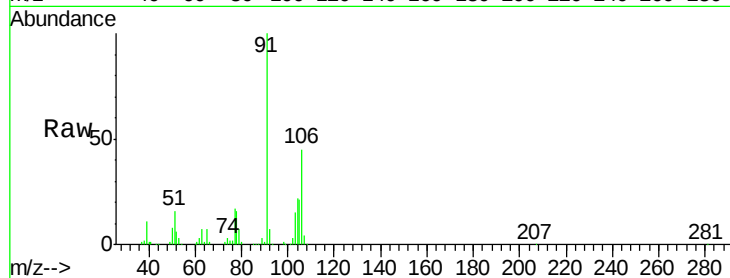
#69
o-Xylene
Concen: 19.698 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion:106 Resp: 80022
Ion Ratio Lower Upper
106 100
91 217.9 109.5 328.4

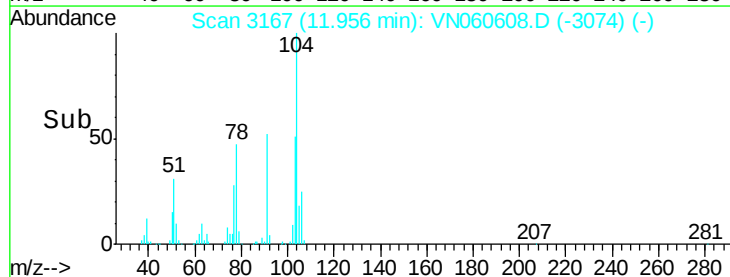
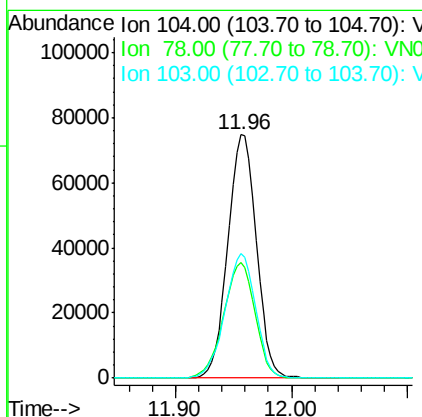
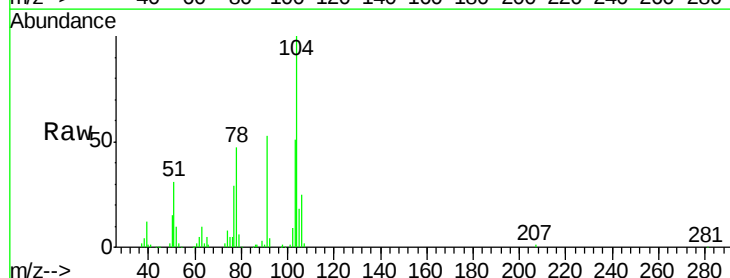
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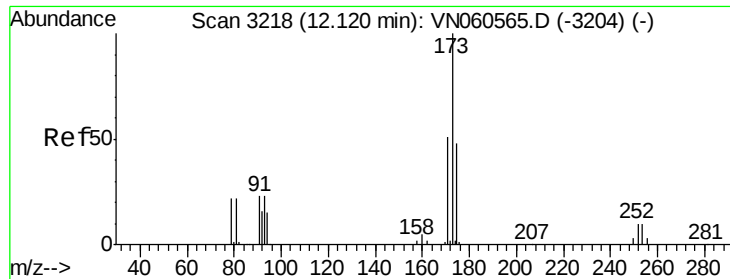
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3/19/2020 1:59:59 PM



#70
Styrene
Concen: 19.159 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion:104 Resp: 127298
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 54.6 44.0 66.0





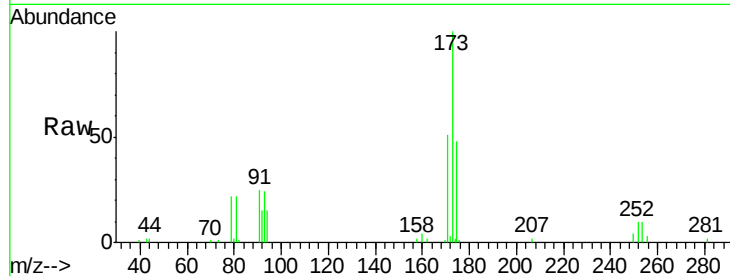
#71
Bromoform
Concen: 18.342 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

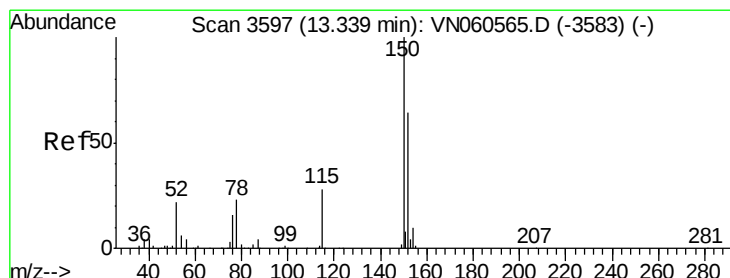
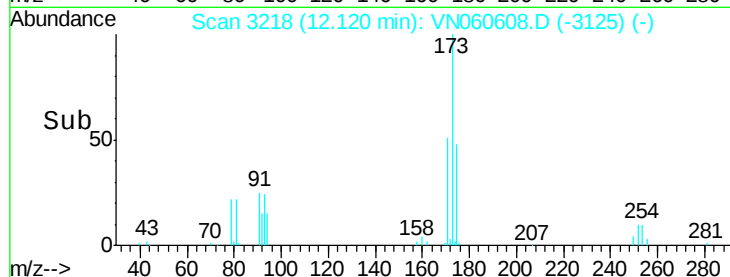
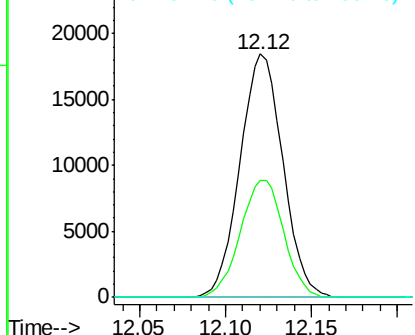
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.4
254	0.0	0.0	0.0

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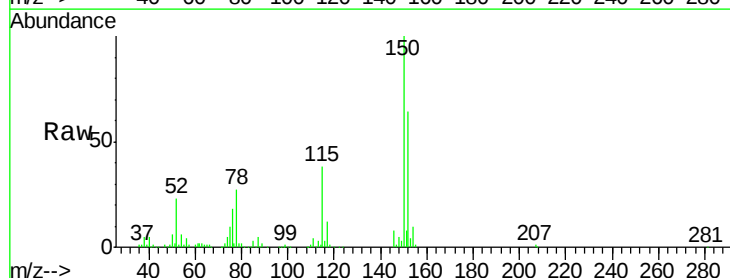


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

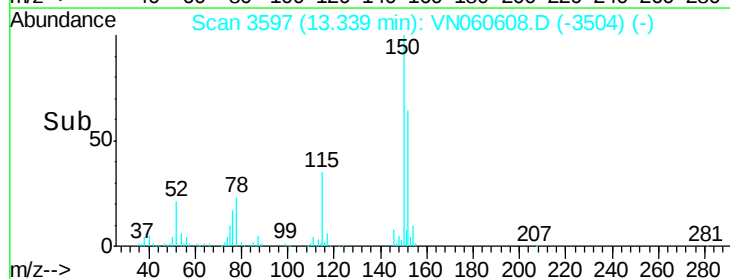
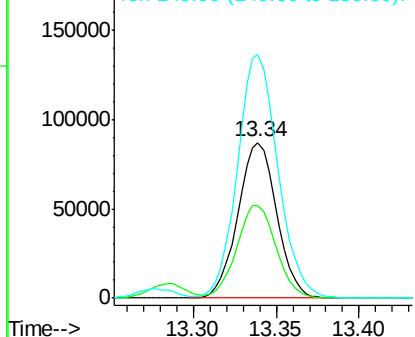


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	163.7	0.0	350.2



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: 20.018 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 105 Resp: 212383

Ion Ratio Lower Upper

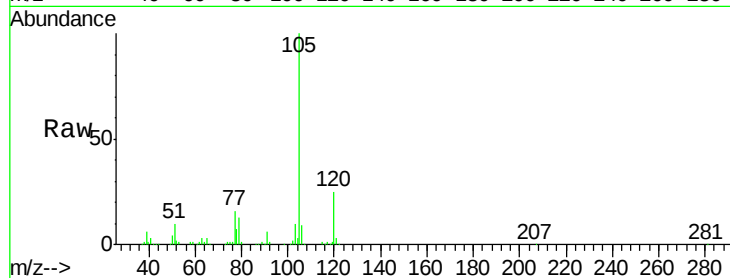
105 100

120 25.8 13.1 39.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

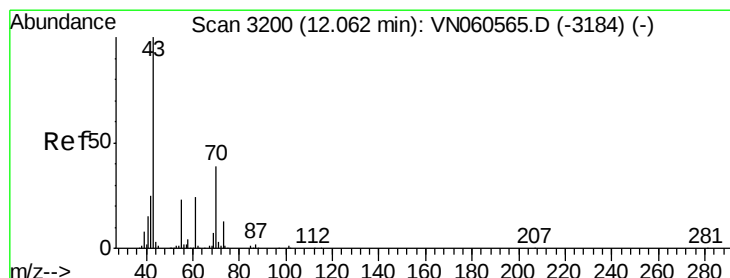
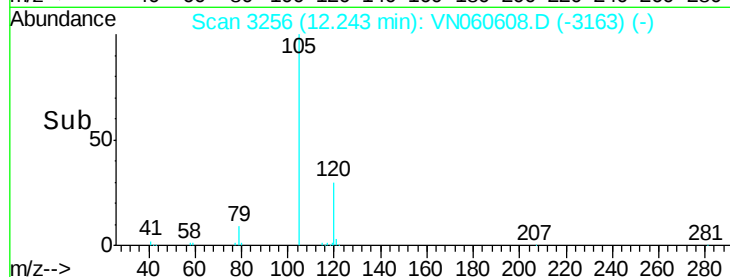
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.060 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion: 43 Resp: 93444

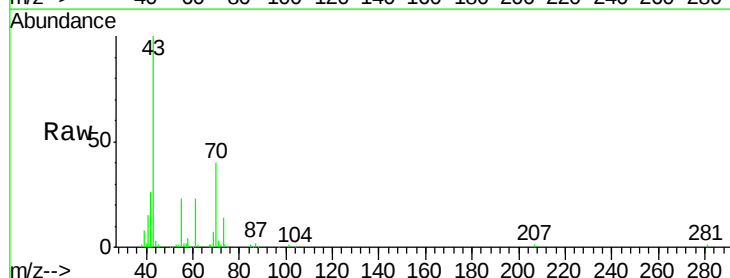
Ion Ratio Lower Upper

43 100

70 39.2 31.1 46.7

55 23.6 18.6 27.8

61 23.2 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.06

80000

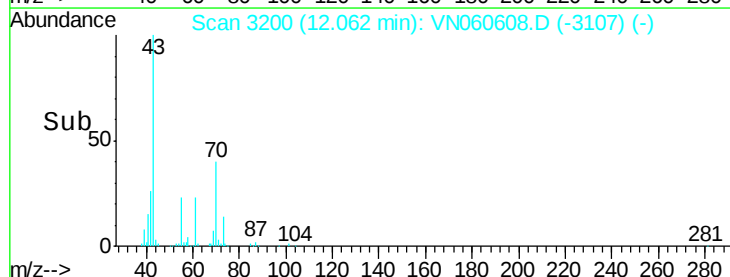
60000

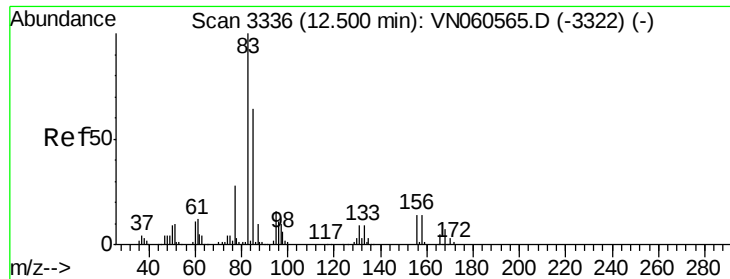
40000

20000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 19.268 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

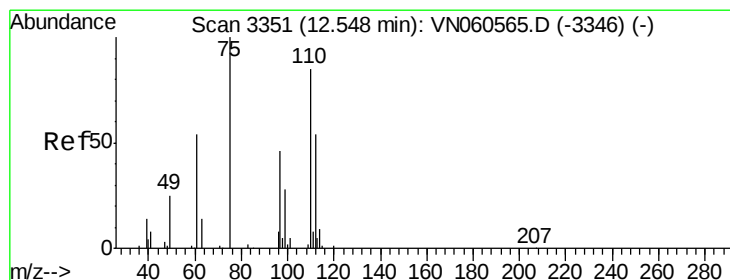
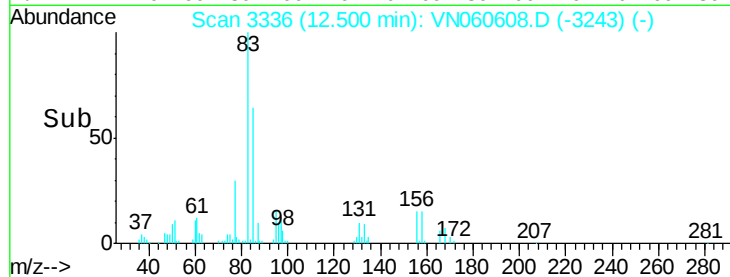
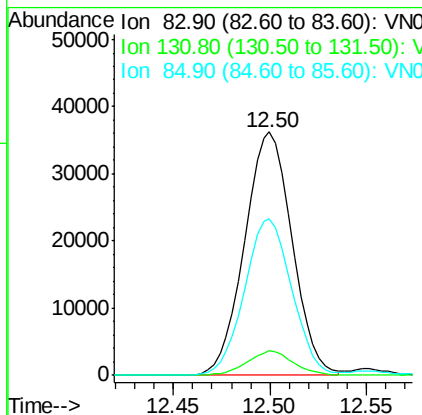
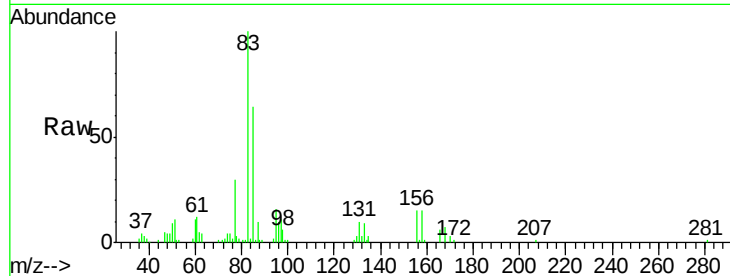
ClientSampleId :

VN0318WBSD02

Tot Ion:	83	Resp:	61822
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.0	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 20.209 ug/l m

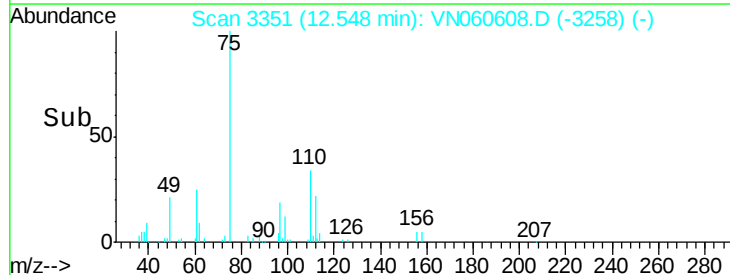
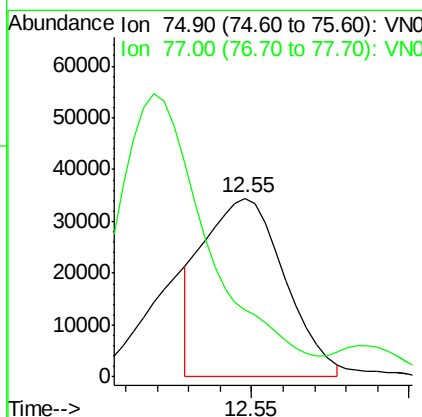
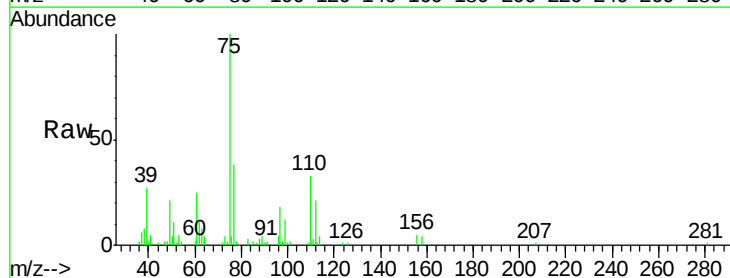
RT: 12.55 min Scan# 3351

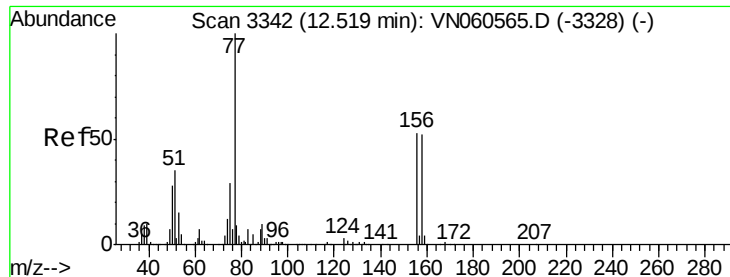
Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion:	75	Resp:	61651
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.678 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

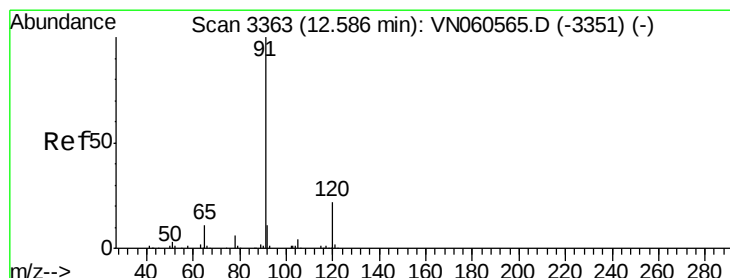
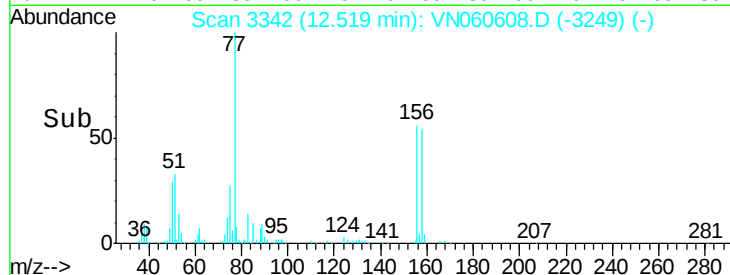
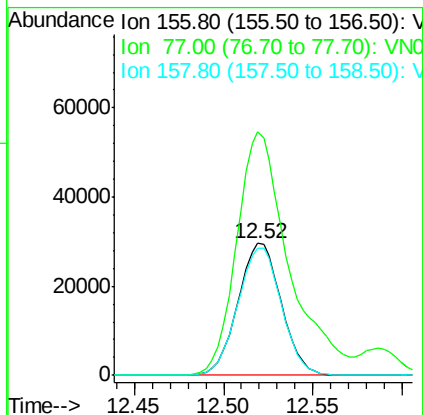
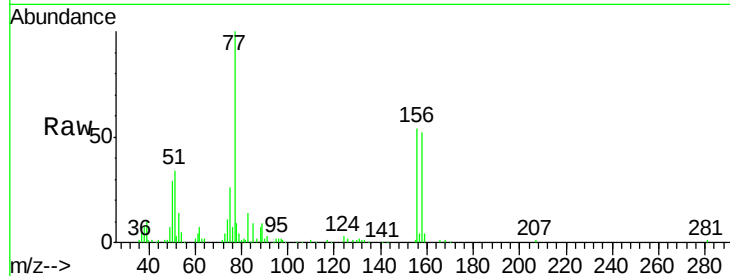
ClientSampleId :

VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.0	112.3	337.0
158	97.5	48.6	145.8

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#78

n-propylbenzene

Concen: 19.668 ug/l

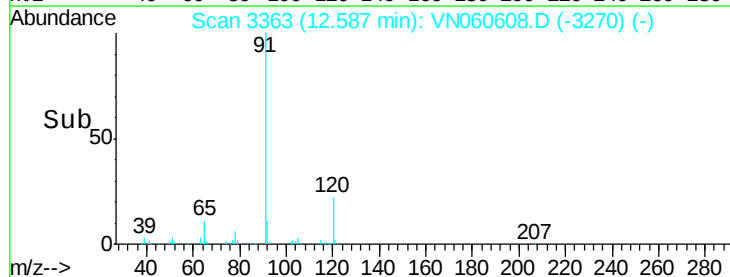
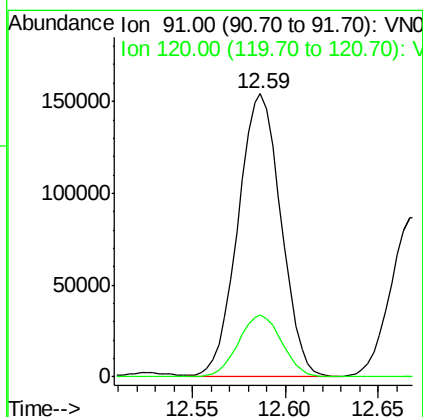
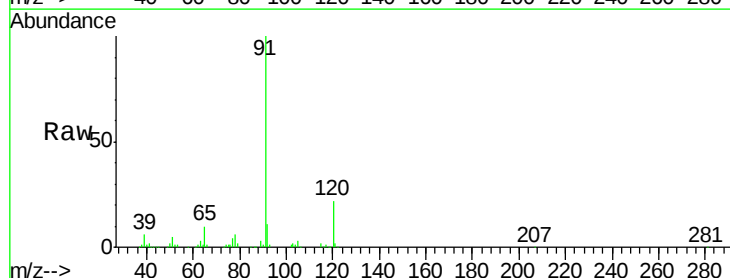
RT: 12.59 min Scan# 3363

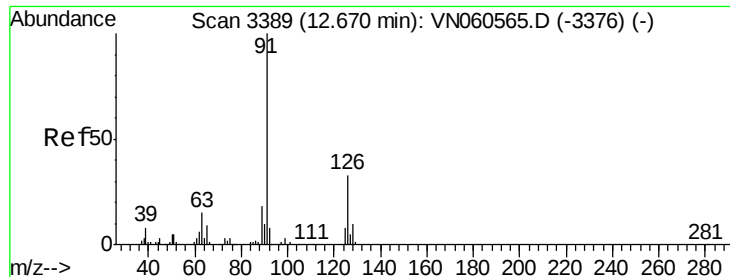
Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.452 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 91 Resp: 145683

Ion Ratio Lower Upper

91 100

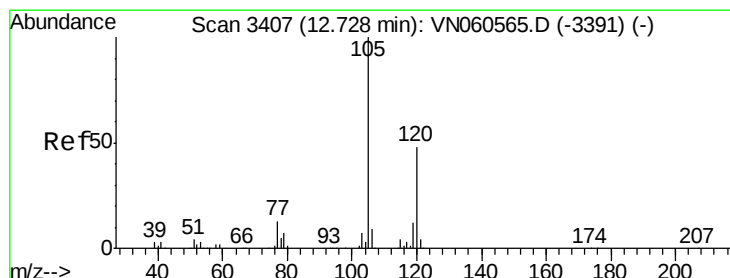
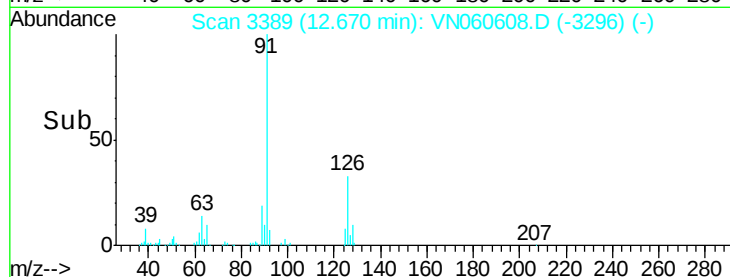
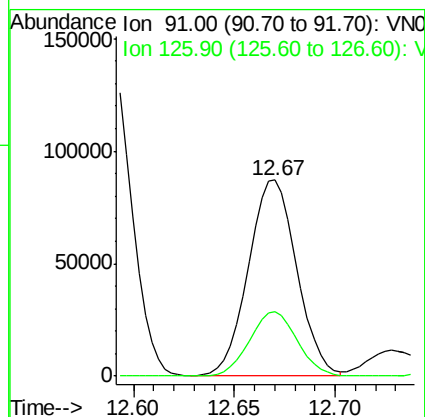
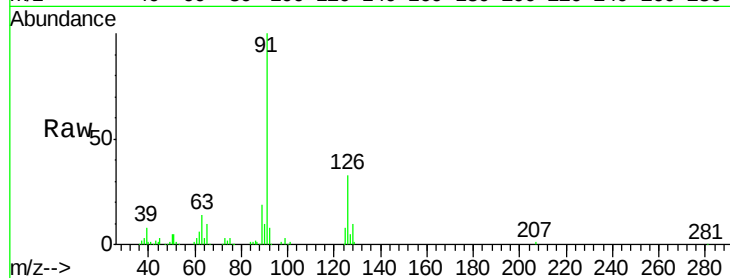
126 32.7 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.581 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060608.D

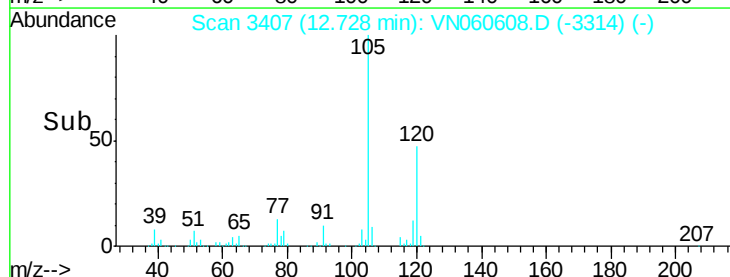
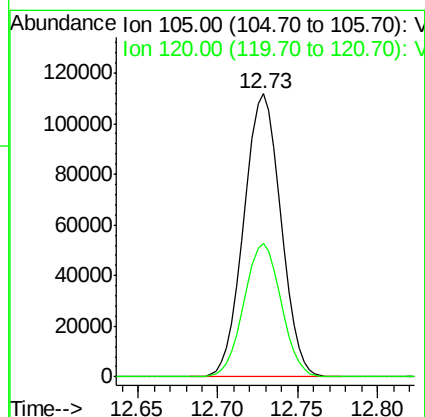
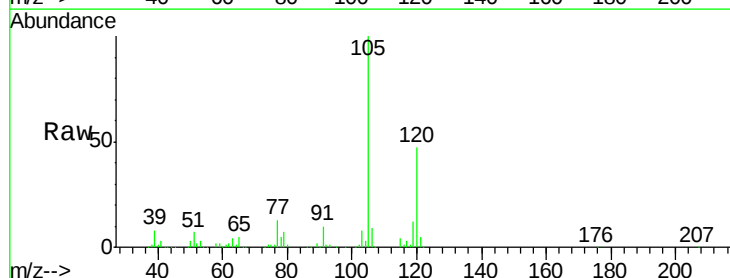
Acq: 18 Mar 2020 22:28

Tgt Ion: 105 Resp: 176300

Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.130 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

Tot Ion: 75 Resp: 21535

Ion Ratio Lower Upper

75 100

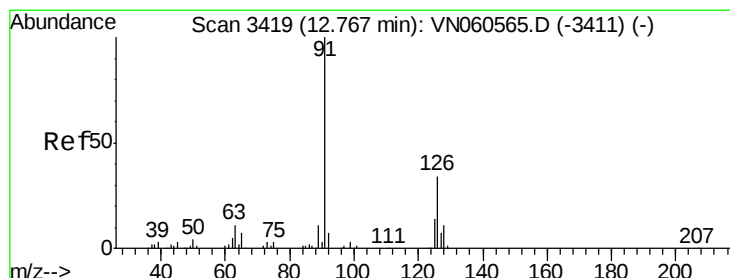
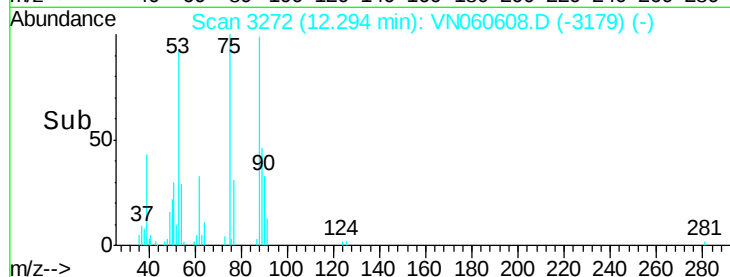
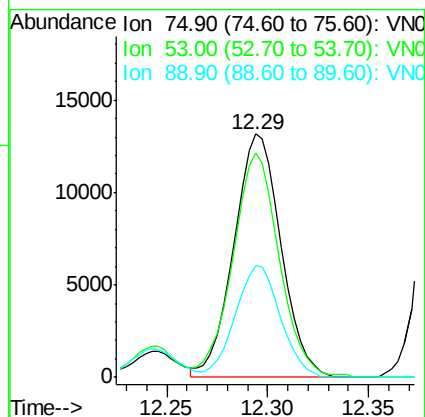
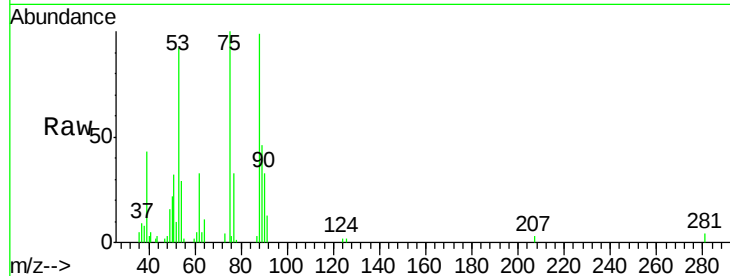
53 91.1 73.0 109.4

89 44.1 34.8 52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.753 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN060608.D

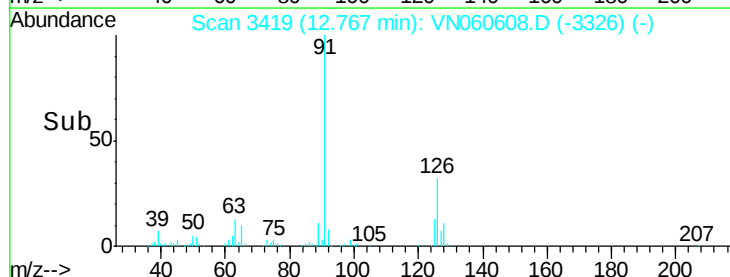
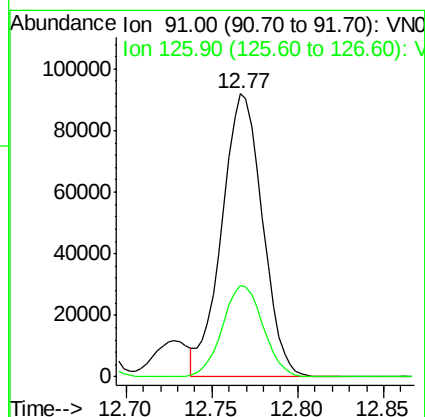
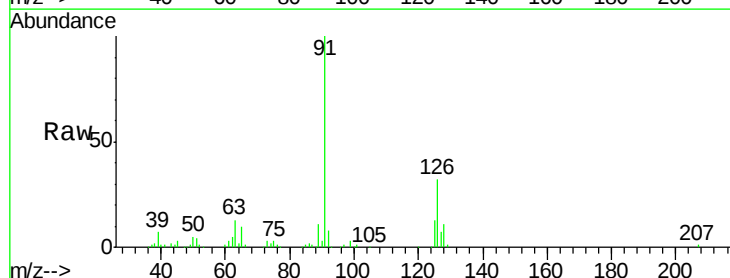
Acq: 18 Mar 2020 22:28

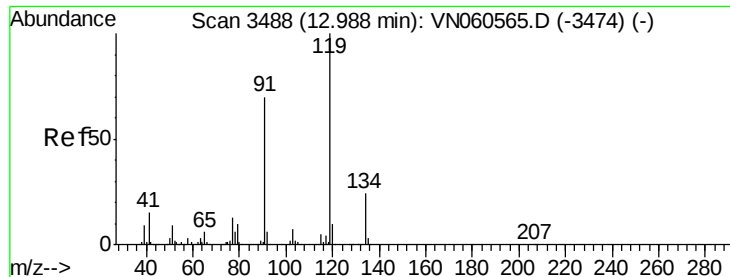
Tgt Ion: 91 Resp: 150679

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.5





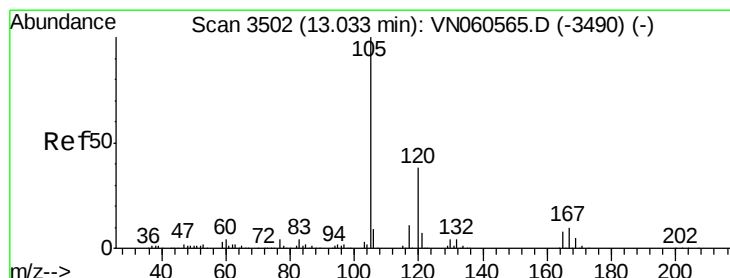
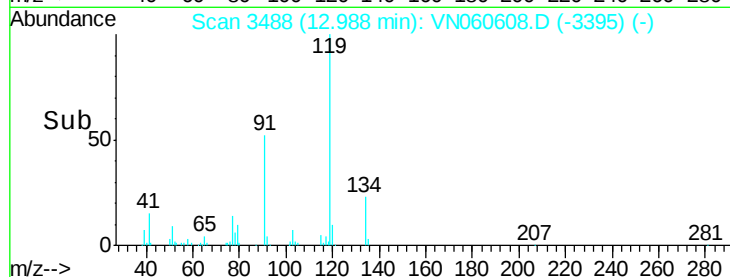
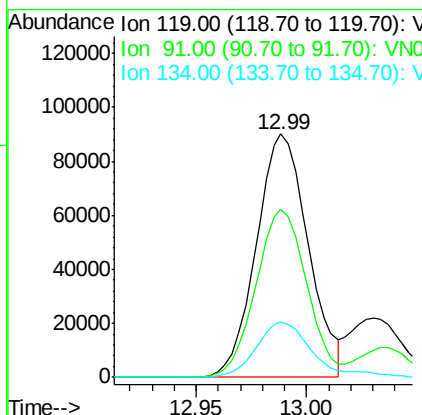
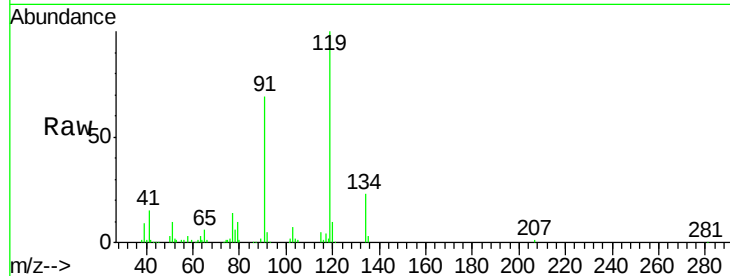
#83
 tert-Butylbenzene
 Concen: 19.687 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.0	101.8
134	23.3	12.7	38.0

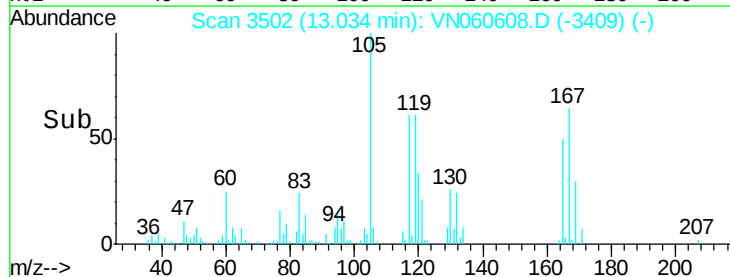
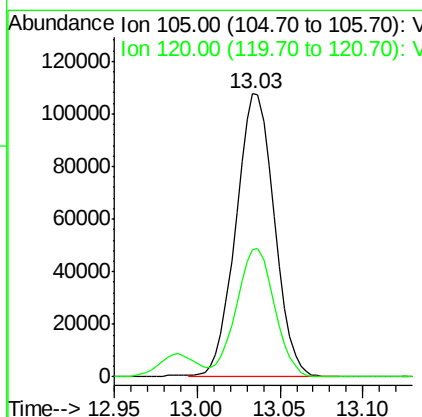
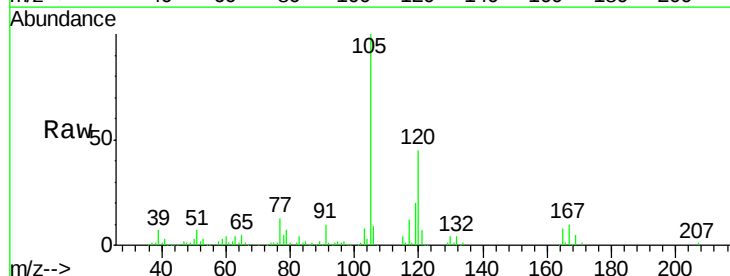
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.487 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.583 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Instrument :

MSVOA_N

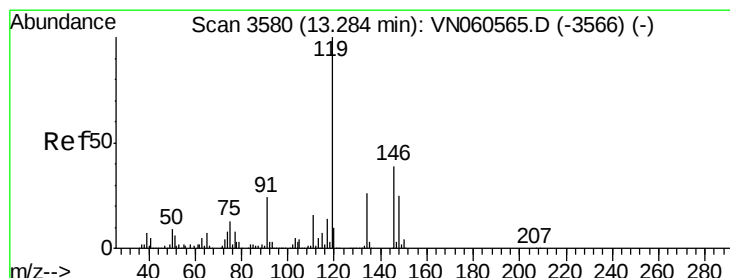
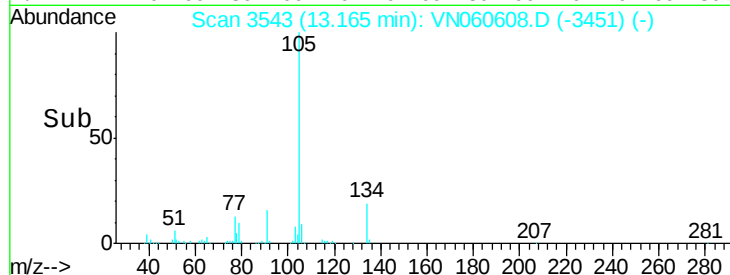
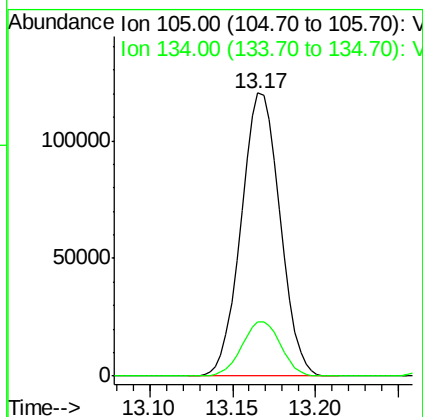
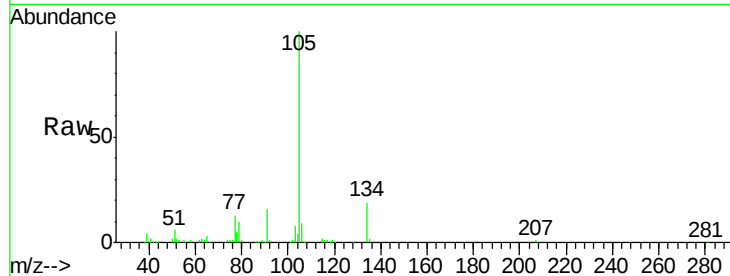
ClientSampleId :

VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.8

Manual Integrations
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3/19/2020 1:59:59 PM



#86

p-Isopropyltoluene

Concen: 19.330 ug/l

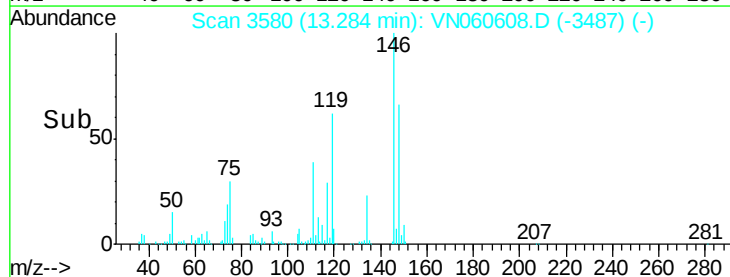
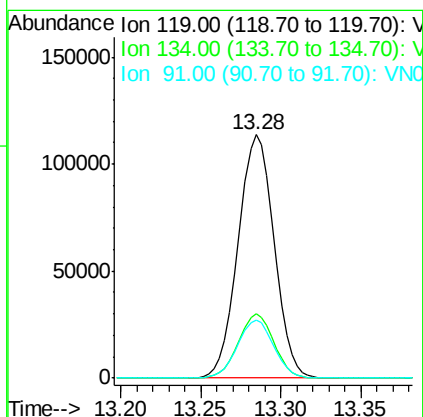
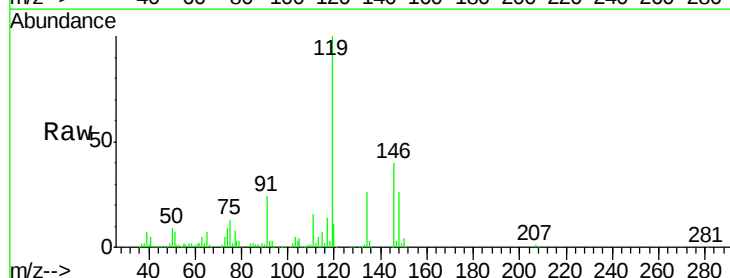
RT: 13.28 min Scan# 3580

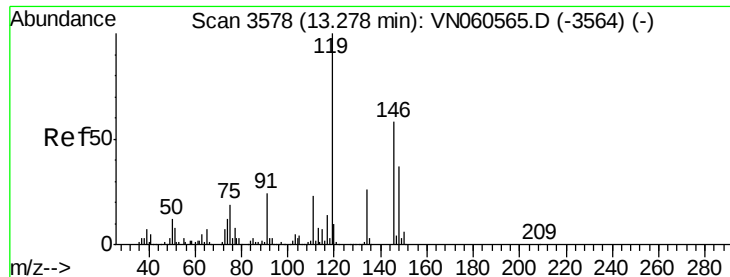
Delta R.T. 0.00 min

Lab File: VN060608.D

Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.9	12.0	36.0





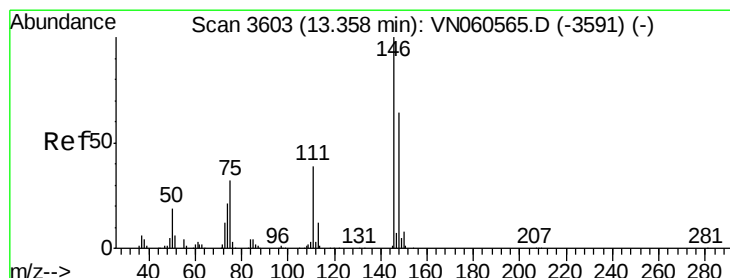
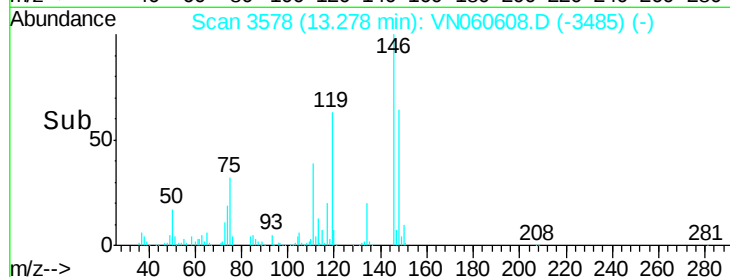
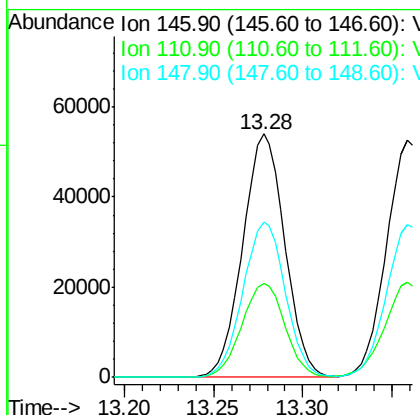
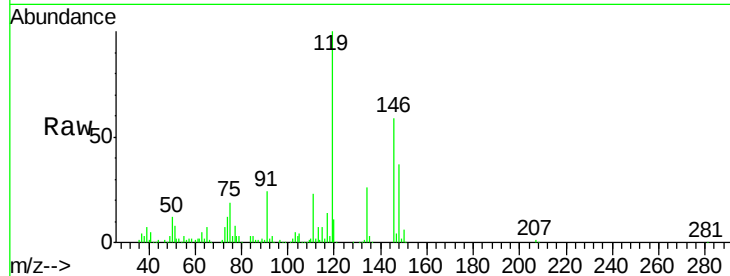
#87
 1,3-Dichlorobenzene
 Concen: 19.723 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.4	32.5	97.4

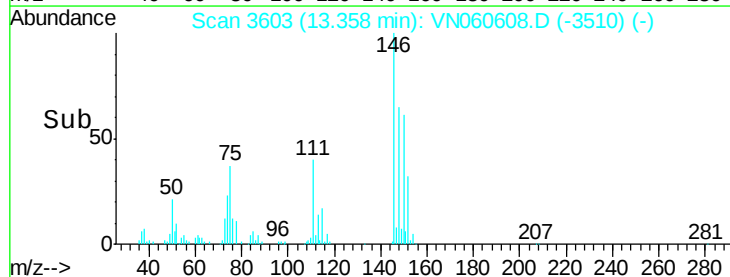
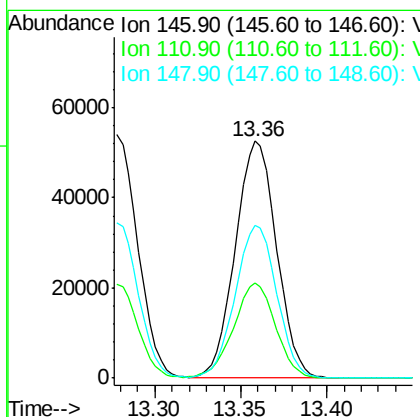
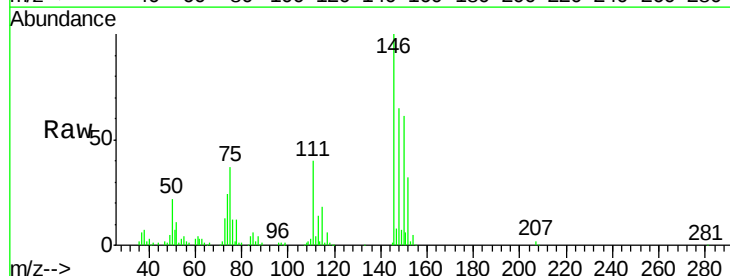
Manual Integrations
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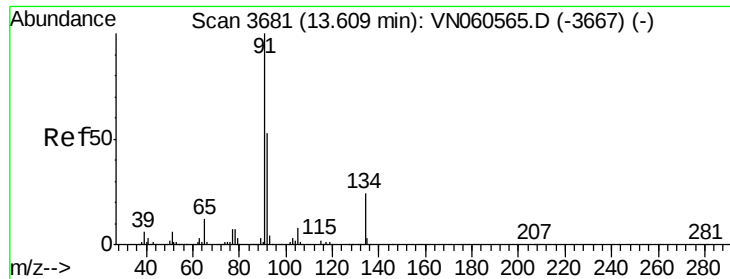
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#88
 1,4-Dichlorobenzene
 Concen: 19.321 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.7
148	64.9	32.1	96.3





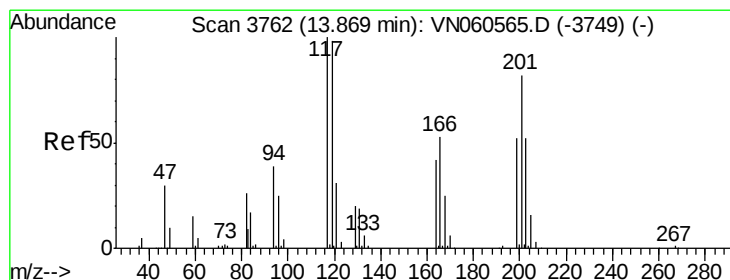
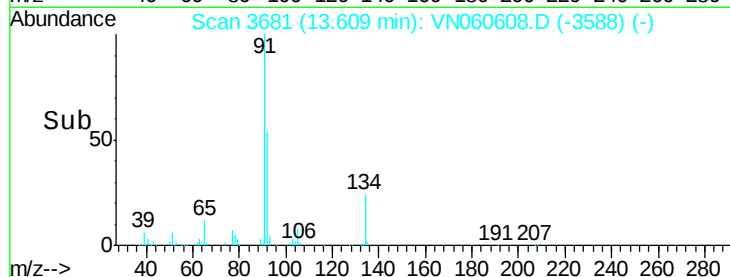
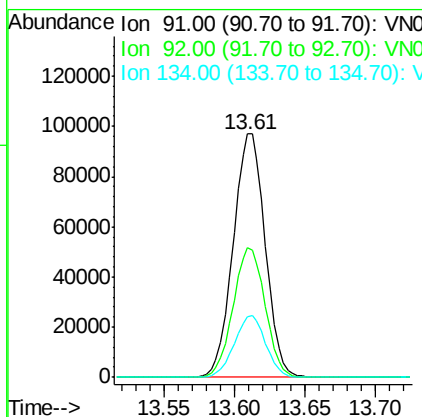
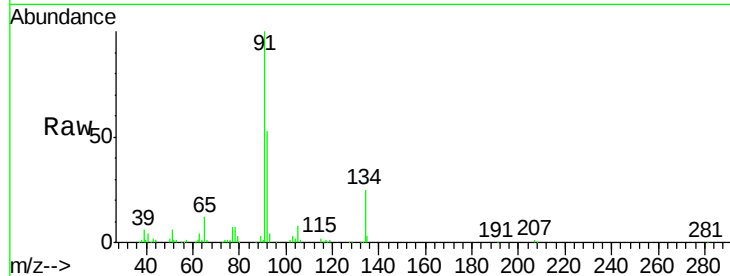
#89
n-Butylbenzene
Concen: 18.894 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.2	78.5
134	24.9	12.3	36.9

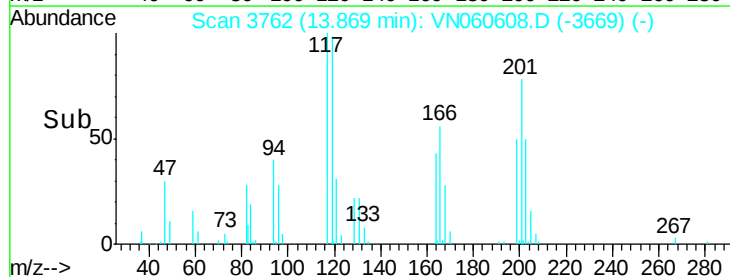
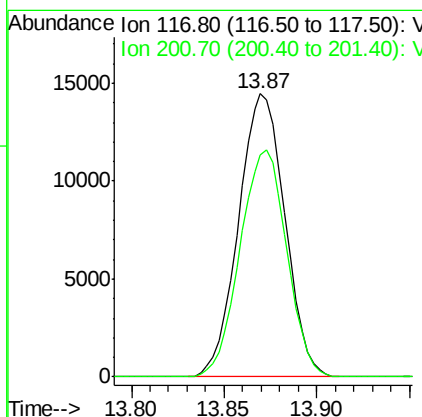
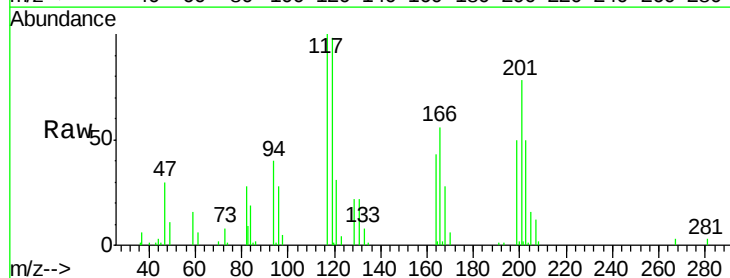
Manual Integrations
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#90
Hexachloroethane
Concen: 19.096 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	40.8	122.5





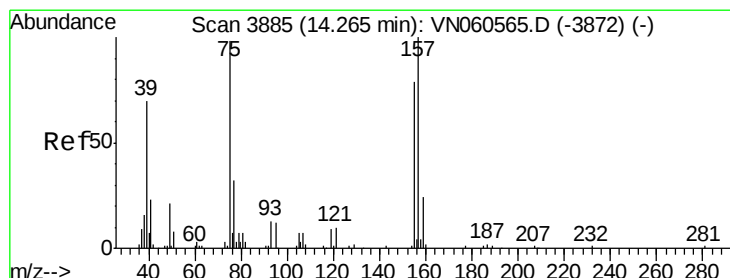
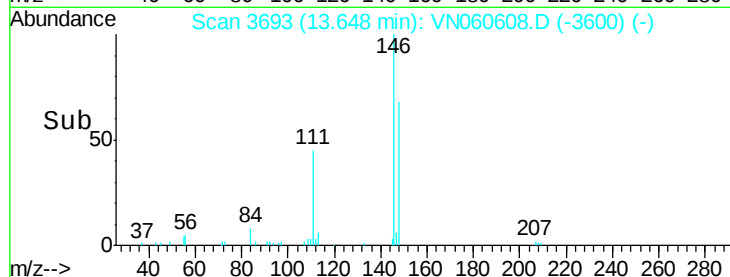
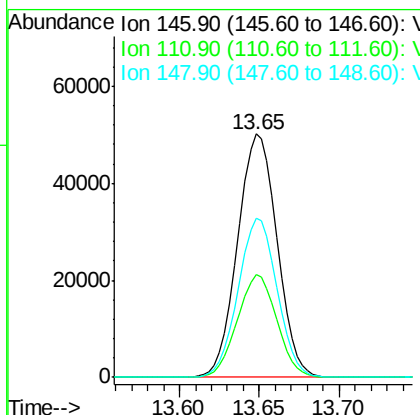
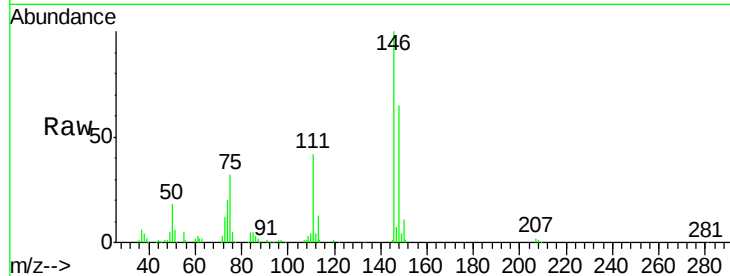
#91
 1,2-Dichlorobenzene
 Concen: 19.591 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	64.4	31.9	95.5

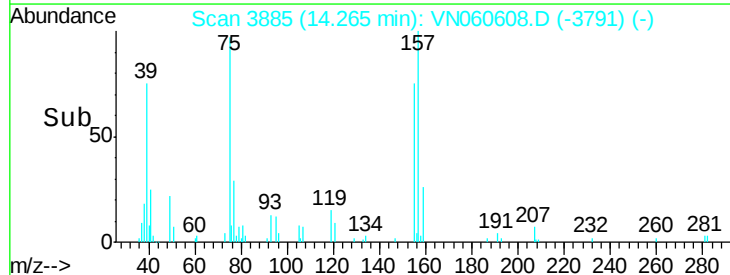
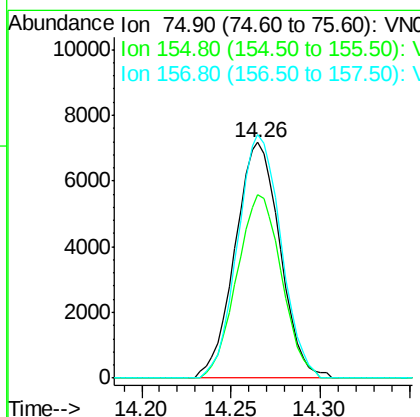
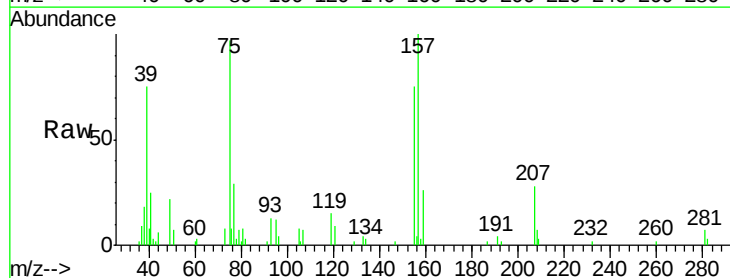
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.523 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	40.7	122.1
157	99.7	51.5	154.7





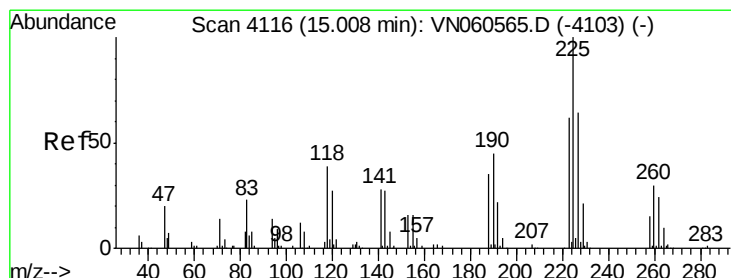
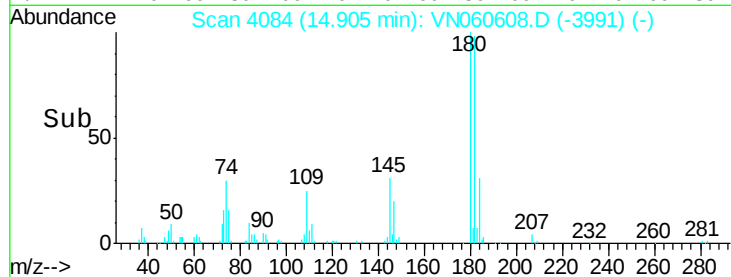
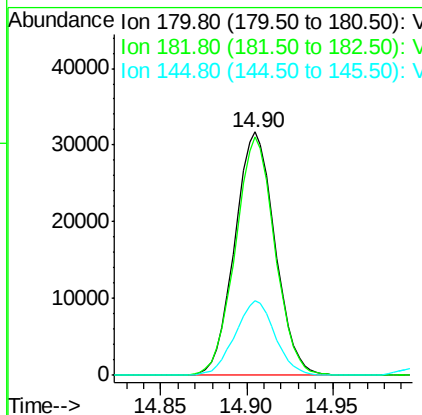
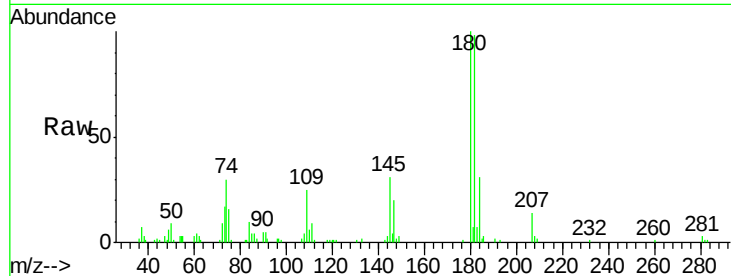
#93
 1,2,4-Trichlorobenzene
 Concen: 19.404 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.8
145	30.4	15.4	46.2

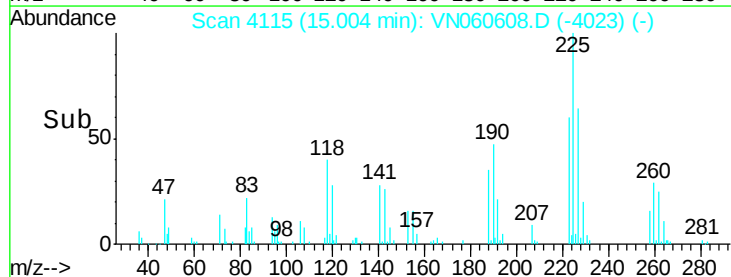
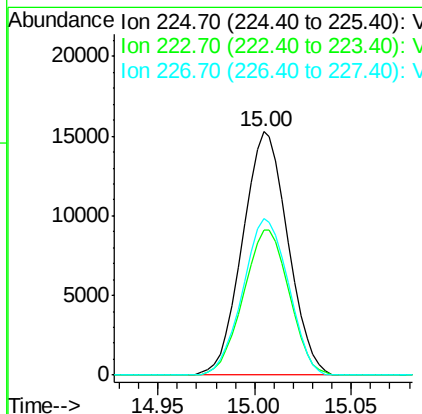
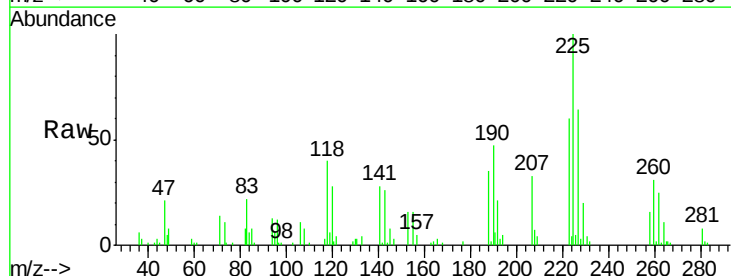
Manual Integrations
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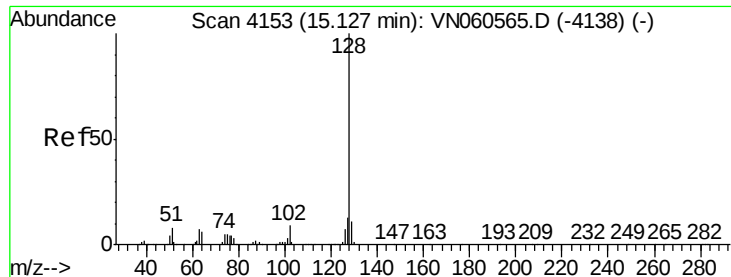
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#94
 Hexachlorobutadiene
 Concen: 19.169 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060608.D
 Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.6	95.0
227	64.5	32.3	96.8





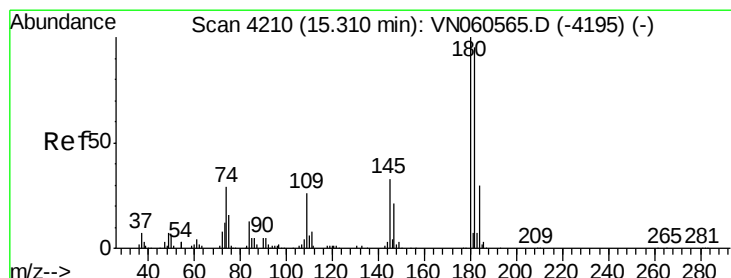
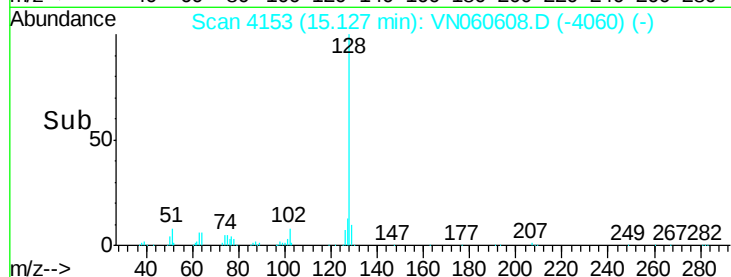
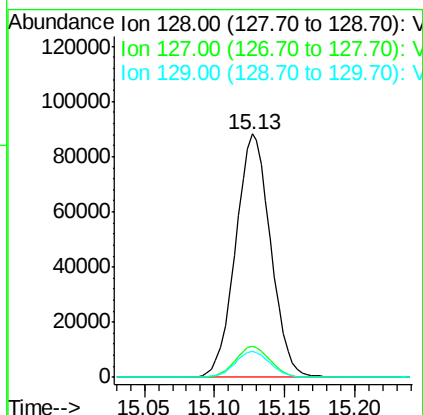
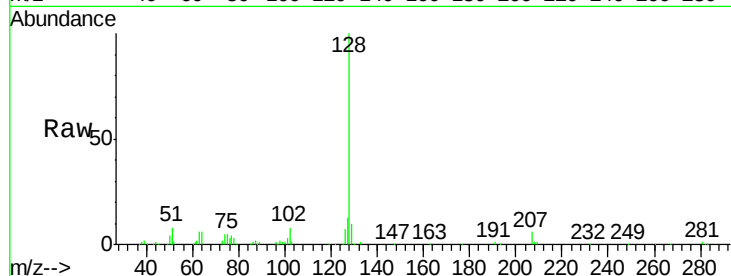
#95
Naphthalene
Concen: 19.245 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:59:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.548 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060608.D
Acq: 18 Mar 2020 22:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	31.5	16.3	48.8

