

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060627.D
 Acq On : 19 Mar 2020 11:36
 Operator : JC/MD
 Sample : VN0319WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:05:35 PM

Quant Time: Mar 20 06:59:19 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	203972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	331468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129948	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	7.56	113	95515	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.08	98	384244	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	12.40	95	136713	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37551	19.026	ug/l	98
3) Chloromethane	2.04	50	62776	17.031	ug/l	99
4) Vinyl Chloride	2.16	62	50570	17.540	ug/l	97
5) Bromomethane	2.55	94	24251	19.485	ug/l	99
6) Chloroethane	2.68	64	30304	18.247	ug/l	98
7) Trichlorofluoromethane	3.00	101	65769	18.518	ug/l	98
8) Diethyl Ether	3.38	74	28024	19.642	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39069	18.985	ug/l	99
10) Methyl Iodide	3.92	142	35929	19.621	ug/l	99
11) Tert butyl alcohol	4.73	59	39520	95.969	ug/l	97
12) 1,1-Dichloroethene	3.71	96	40108	18.162	ug/l	97
13) Acrolein	3.57	56	34706	76.043	ug/l	98
14) Allyl chloride	4.29	41	76359	19.660	ug/l	92
15) Acrylonitrile	4.94	53	110195	90.999	ug/l	100
16) Acetone	3.78	43	93379	94.147	ug/l	98
17) Carbon Disulfide	4.03	76	120823	17.989	ug/l	97
18) Methyl Acetate	4.28	43	51201	18.340	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	143054	18.841	ug/l	99
20) Methylene Chloride	4.52	84	45269	18.554	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	43496	18.480	ug/l	98
22) Diisopropyl ether	5.91	45	159127	19.392	ug/l	100
23) Vinyl Acetate	5.86	43	647257	96.674	ug/l	100
24) 1,1-Dichloroethane	5.82	63	83875	18.750	ug/l	99
25) 2-Butanone	6.80	43	147266	91.756	ug/l	97
26) 2,2-Dichloropropane	6.79	77	70610	20.062	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	49826	18.629	ug/l	98
28) Bromochloromethane	7.17	49	41247	19.272	ug/l	100
29) Tetrahydrofuran	7.18	42	101861	89.699	ug/l	100
30) Chloroform	7.35	83	79543	18.548	ug/l	99
31) Cyclohexane	7.63	56	83051	18.415	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	69230	18.726	ug/l	99
36) 1,1-Dichloropropene	7.77	75	62879	19.591	ug/l	99
37) Ethyl Acetate	6.89	43	64633	18.637	ug/l	98
38) Carbon Tetrachloride	7.75	117	54201	18.842	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	73919	19.380	ug/l	98
40) Benzene	8.02	78	187164	19.317	ug/l	99
41) Methacrylonitrile	7.14	41	28412m	19.196	ug/l	
42) 1,2-Dichloroethane	8.10	62	65574	19.803	ug/l	100
43) Isopropyl Acetate	8.14	43	108369	18.947	ug/l	99
44) Trichloroethene	8.81	130	48218	19.741	ug/l	99
45) 1,2-Dichloropropane	9.10	63	50779	19.862	ug/l	99
46) Dibromomethane	9.19	93	30548	19.764	ug/l	99
47) Bromodichloromethane	9.38	83	62060	19.322	ug/l	100
48) Methyl methacrylate	9.18	41	46500	18.260	ug/l	97
49) 1,4-Dioxane	9.18	88	13230	437.093	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	308666	94.838	ug/l	100
52) Toluene	10.14	92	113737	19.437	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	72064	19.533	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	79962	19.756	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	44126	19.601	ug/l	97
56) Ethyl methacrylate	10.42	69	66712	19.006	ug/l	98
57) 1,3-Dichloropropane	10.70	76	76487	19.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	165624	94.937	ug/l	100
59) 2-Hexanone	10.74	43	219167	93.481	ug/l	99
60) Dibromochloromethane	10.89	129	44974	19.341	ug/l	100
61) 1,2-Dibromoethane	10.99	107	44146	19.502	ug/l	99
64) Tetrachloroethene	10.62	164	46490	19.826	ug/l	99
65) Chlorobenzene	11.43	112	114939	19.457	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42584	19.909	ug/l	97
67) Ethyl Benzene	11.50	91	214717	19.545	ug/l	100
68) m/p-Xylenes	11.61	106	159374	39.040	ug/l	99
69) o-Xylene	11.94	106	77148	19.796	ug/l	100
70) Styrene	11.96	104	122229	19.177	ug/l	99
71) Bromoform	12.12	173	30637	18.335	ug/l #	100
73) Isopropylbenzene	12.24	105	202521	19.360	ug/l	99
74) N-amyl acetate	12.06	43	90819	18.788	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59562	18.828	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54970m	18.275	ug/l	
77) Bromobenzene	12.52	156	47338	18.779	ug/l	99
78) n-propylbenzene	12.59	91	236380	19.126	ug/l	100
79) 2-Chlorotoluene	12.67	91	140554	19.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	168877	19.023	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22052	18.829	ug/l	98
82) 4-Chlorotoluene	12.77	91	143025	19.017	ug/l	100
83) tert-Butylbenzene	12.99	119	139846	19.003	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	166908	19.004	ug/l	99
85) sec-Butylbenzene	13.17	105	188618	19.060	ug/l	100
86) p-Isopropyltoluene	13.28	119	169308	19.026	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	84176	18.934	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	84246	18.861	ug/l	99
89) n-Butylbenzene	13.61	91	152010	18.920	ug/l	100
90) Hexachloroethane	13.87	117	24293	18.781	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	82259	19.350	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11868	17.738	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48826	18.703	ug/l	98
94) Hexachlorobutadiene	15.01	225	24639	19.253	ug/l	99
95) Naphthalene	15.13	128	138305	17.614	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47708	18.554	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion:168 Resp: 203972

Ion Ratio Lower Upper

168 100

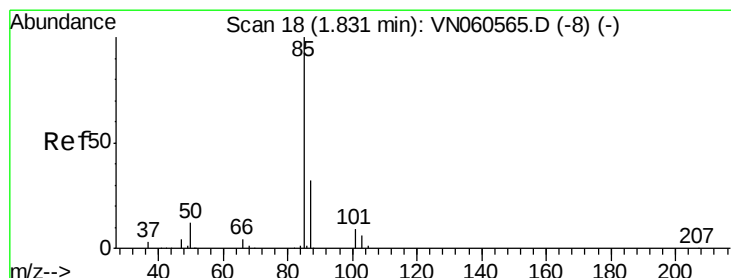
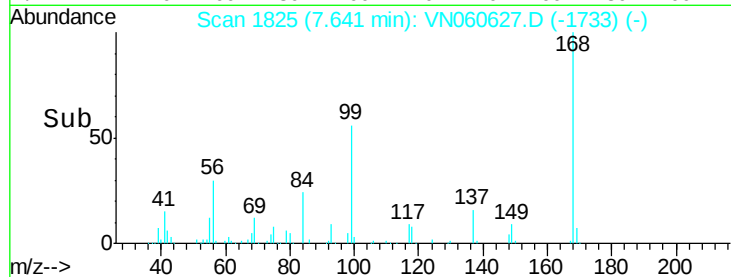
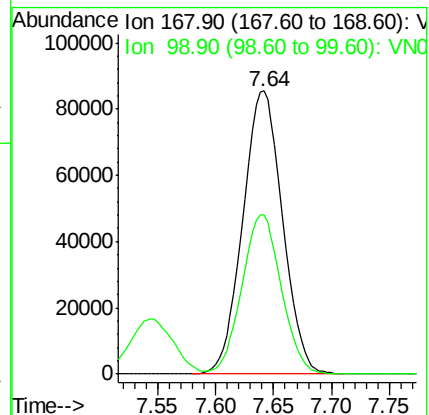
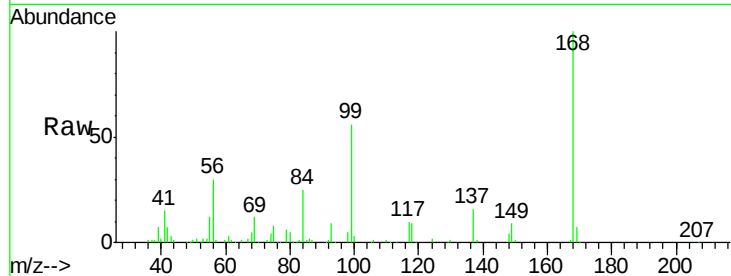
99 56.1 44.0 66.0

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3/20/2020 12:05:35 PM



#2

Dichlorodifluoromethane

Concen: 19.026 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060627.D

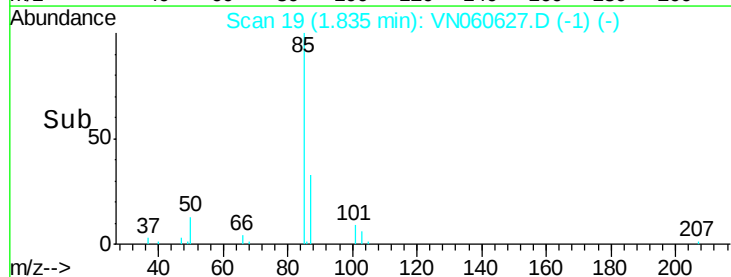
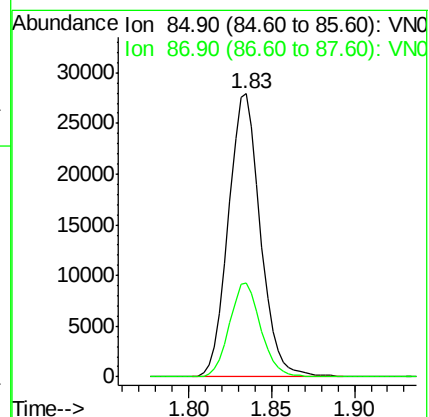
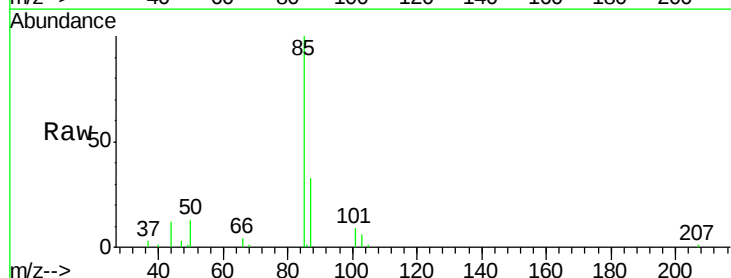
Acq: 19 Mar 2020 11:36

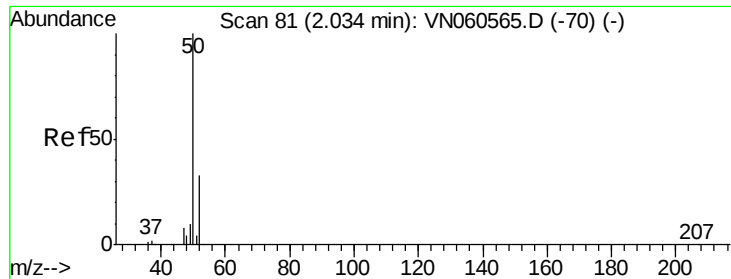
Tgt Ion: 85 Resp: 37551

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.5





#3

Chloromethane

Concen: 17.031 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

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ClientSampleId :

VN0319WBSD01

Tot Ion: 50 Resp: 62776

Ion Ratio Lower Upper

50 100

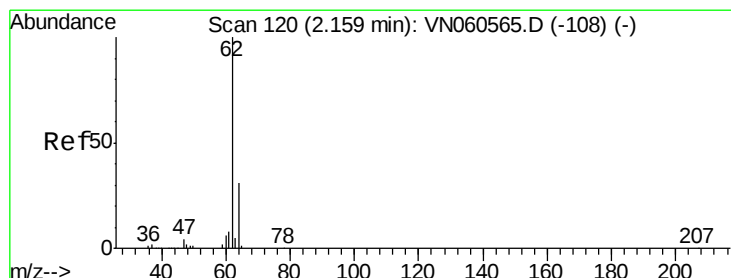
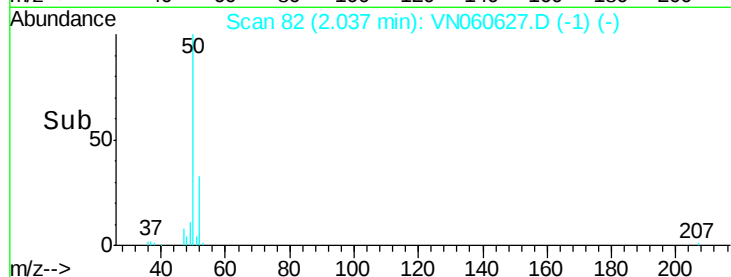
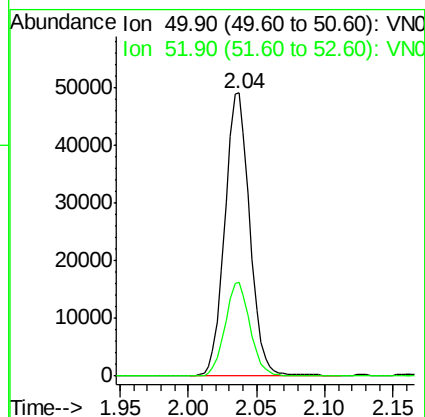
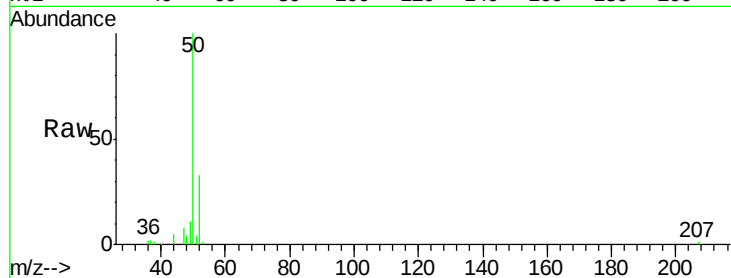
52 33.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.540 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060627.D

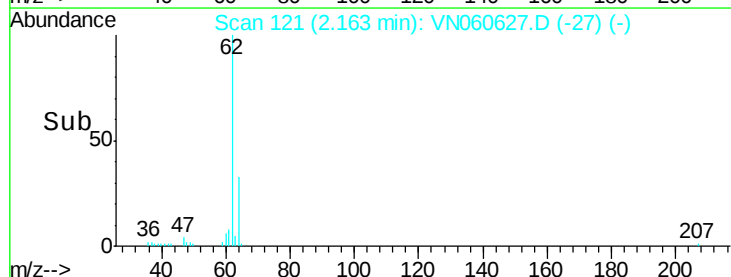
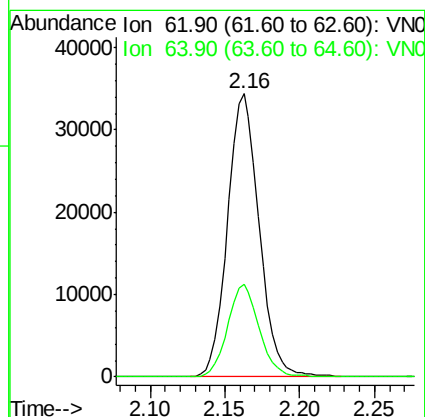
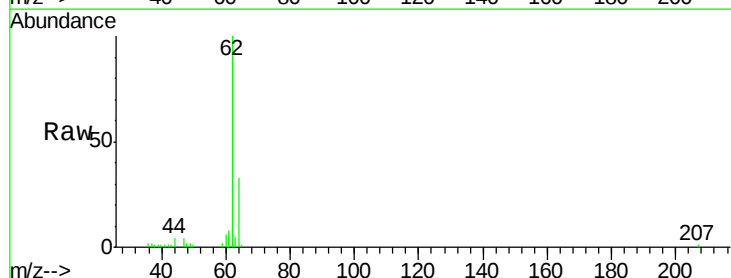
Acq: 19 Mar 2020 11:36

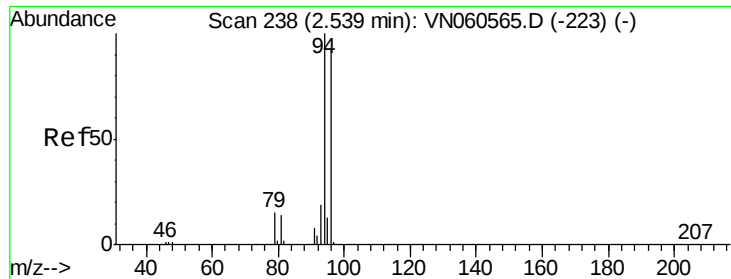
Tgt Ion: 62 Resp: 50570

Ion Ratio Lower Upper

62 100

64 32.6 24.7 37.1





#5

Bromomethane

Concen: 19.485 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

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ClientSampleId :

VN0319WBSD01

Tot Ion: 94 Resp: 24251

Ion Ratio Lower Upper

94 100

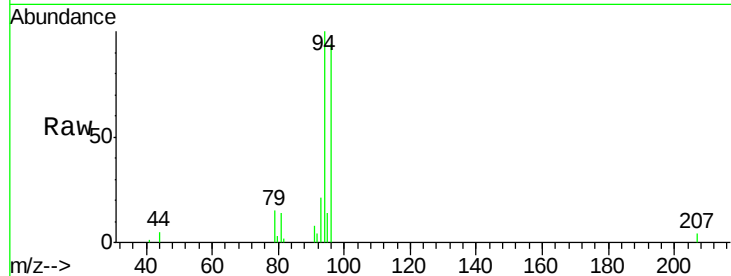
96 94.1 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

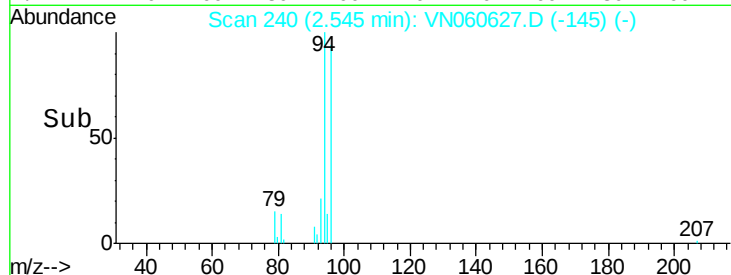
15000

10000

5000

0

Time-->



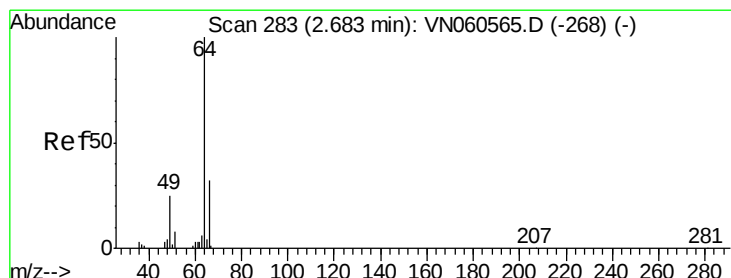
2.55

2.50

2.55

2.60

Time-->



#6

Chloroethane

Concen: 18.247 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060627.D

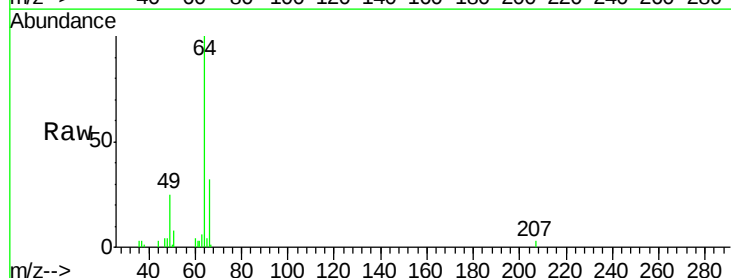
Acq: 19 Mar 2020 11:36

Tgt Ion: 64 Resp: 30304

Ion Ratio Lower Upper

64 100

66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

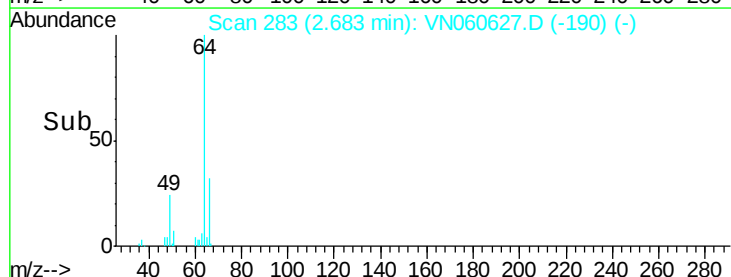
15000

10000

5000

0

Time-->



2.68

2.60

2.65

2.70

2.75

Time-->



#7

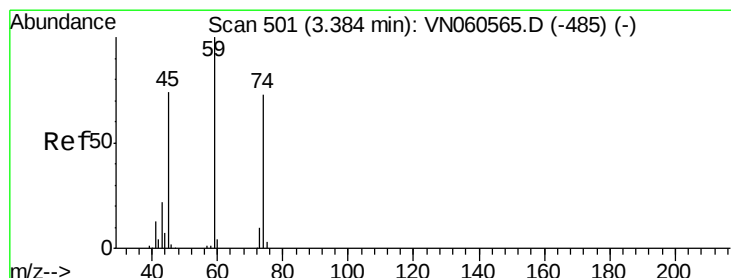
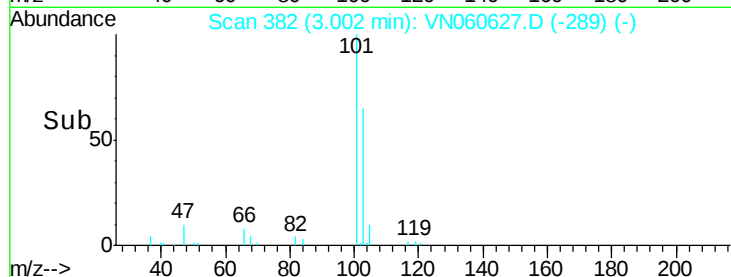
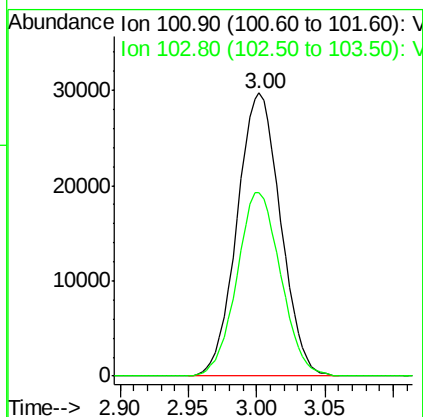
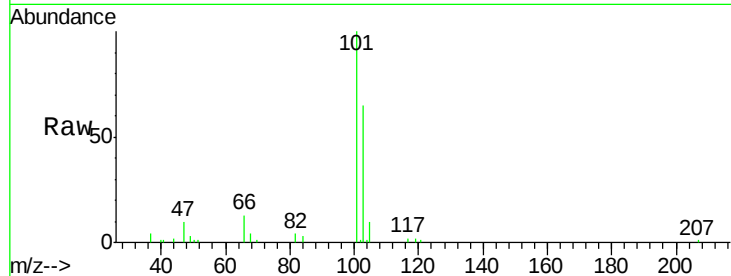
Trichlorofluoromethane
 Concen: 18.518 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Instrument :
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 ClientSampled :
 VN0319WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		65769		
103	65.0		50.6		76.0

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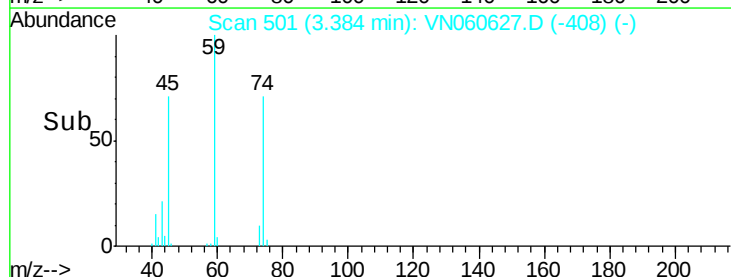
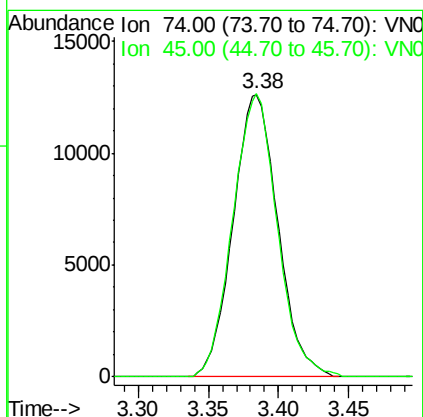
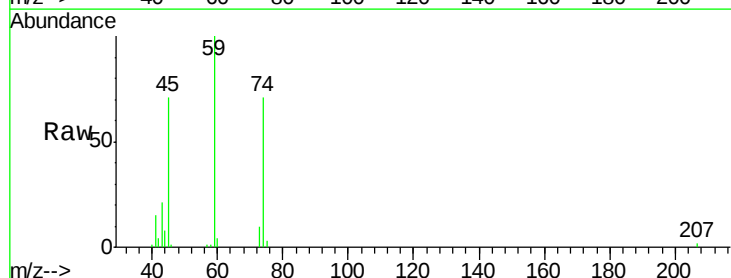
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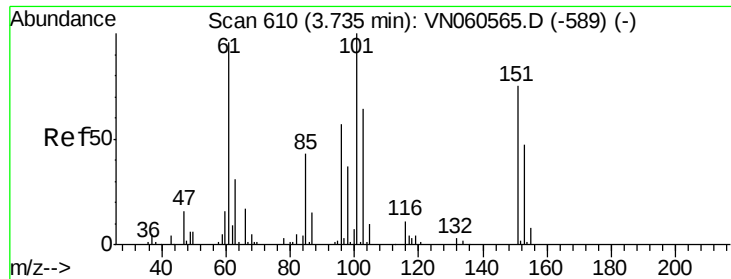


#8

Diethyl Ether
 Concen: 19.642 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		28024		
45	99.7		51.3		153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.985 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

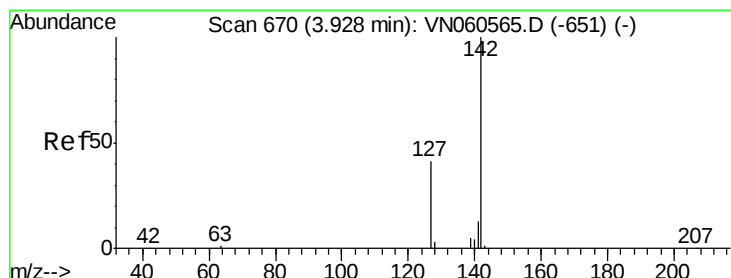
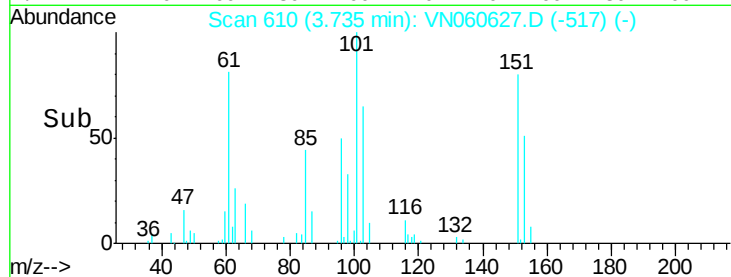
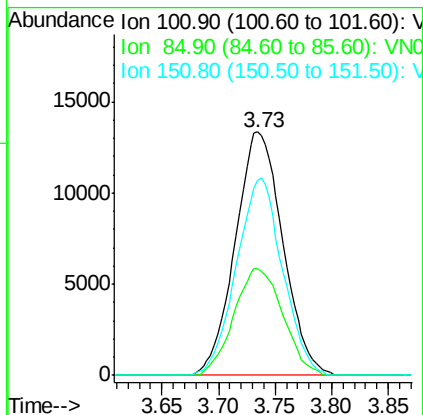
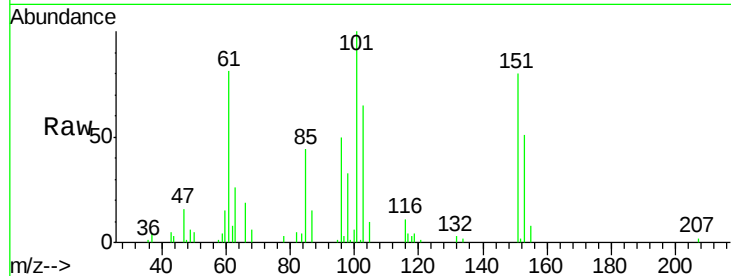
ClientSampled :

VN0319WBSD01

Tot Ion:	101	Resp:	39069
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.6	53.4
151	78.4	61.4	92.2

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3/20/2020 12:05:35 PM



#10

Methyl Iodide

Concen: 19.621 ug/l

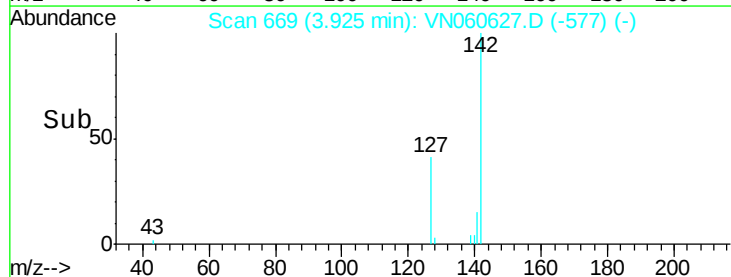
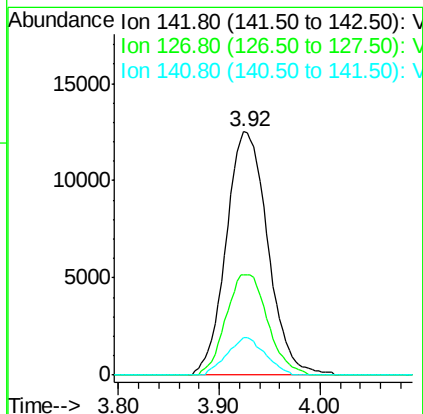
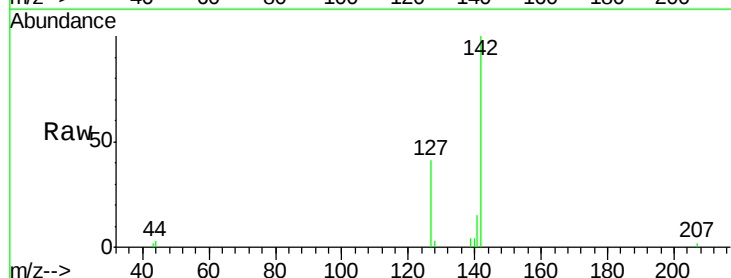
RT: 3.92 min Scan# 669

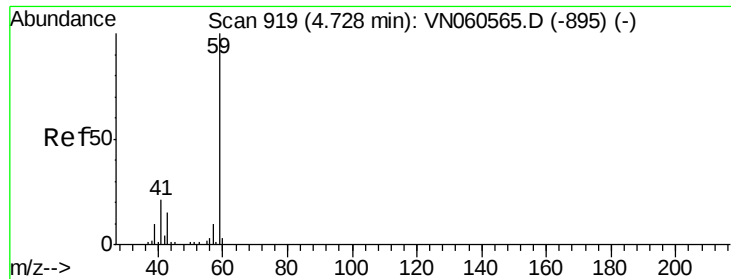
Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion:	142	Resp:	35929
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.5	50.3
141	14.1	11.0	16.6





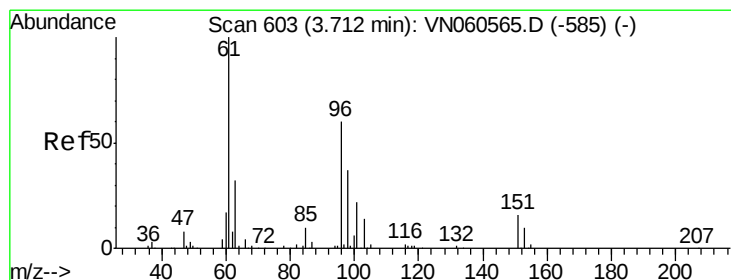
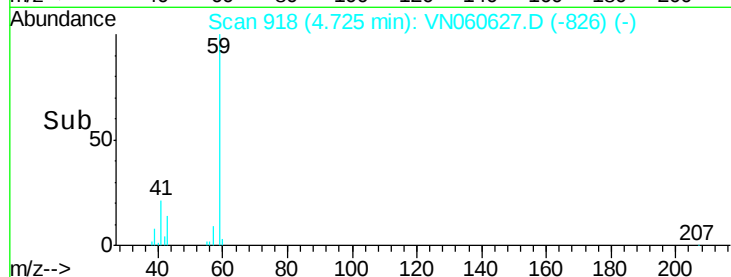
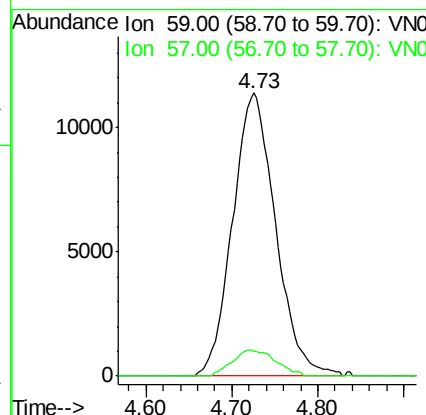
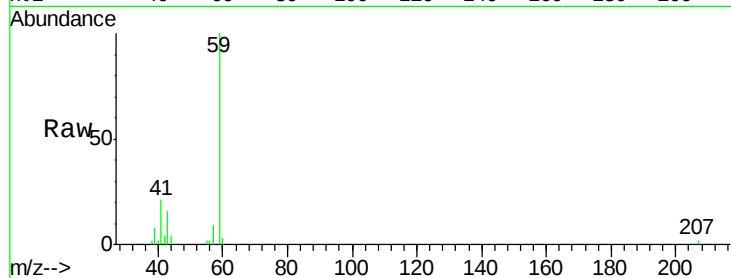
#11
Tert butyl alcohol
Concen: 95.969 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0319WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	39520		
57	9.3		8.2	12.4

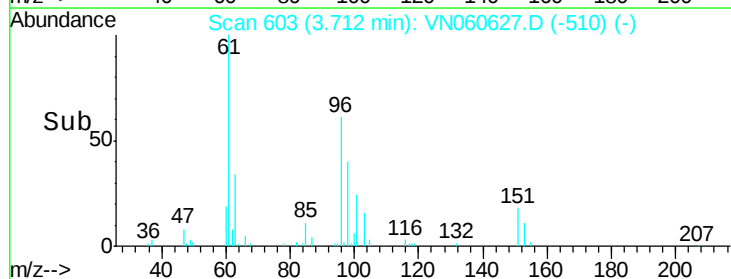
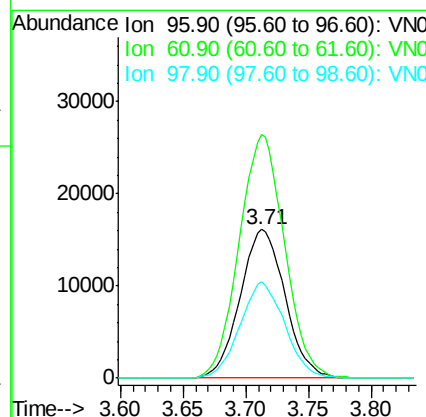
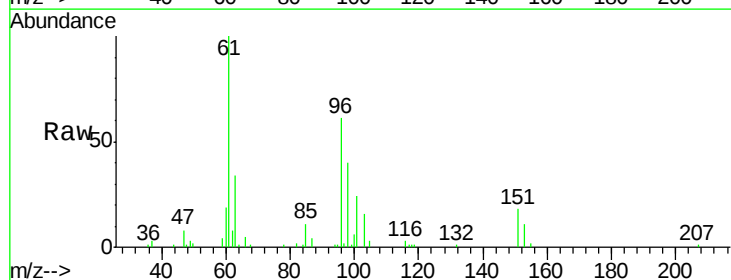
Manual Integrations
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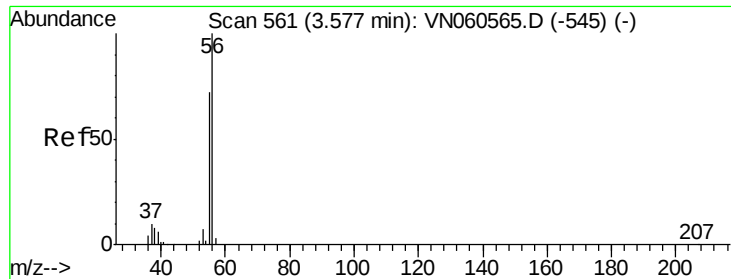
MMDadoda
3/20/2020 12:05:35 PM



#12
1,1-Dichloroethene
Concen: 18.162 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	40108		
61	163.9		134.1	201.1
98	64.9		49.9	74.9





#13

Acrolein

Concen: 76.043 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 56 Resp: 34706

Ion Ratio Lower Upper

56 100

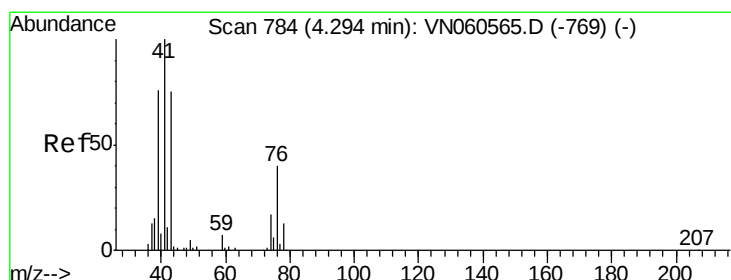
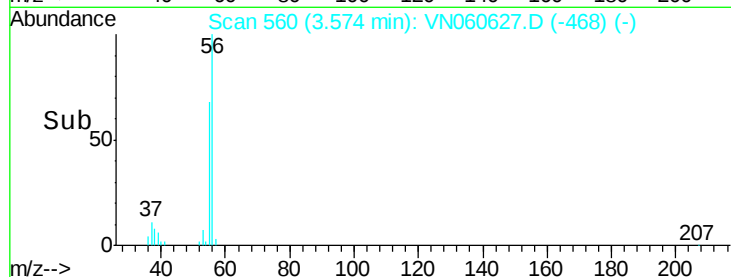
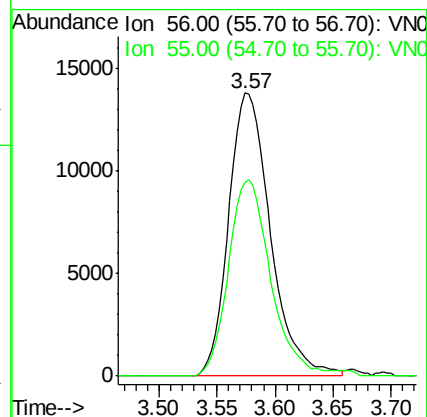
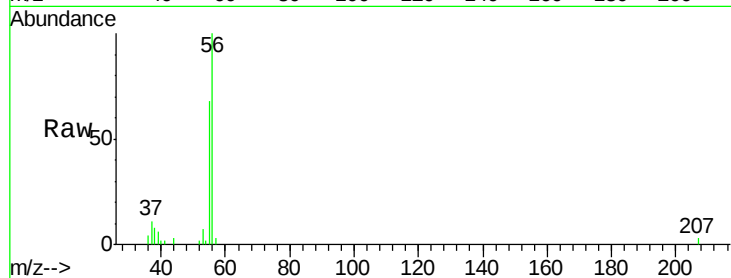
55 69.6 56.7 85.1

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3/20/2020 12:05:35 PM



#14

Allyl chloride

Concen: 19.660 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

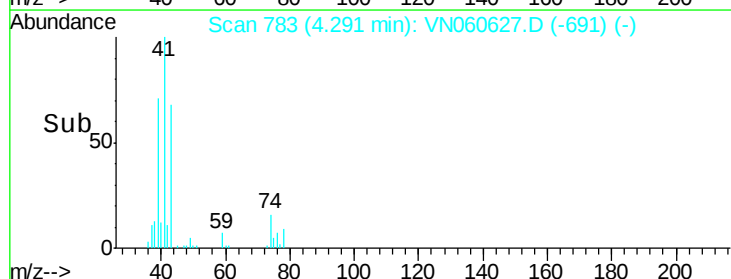
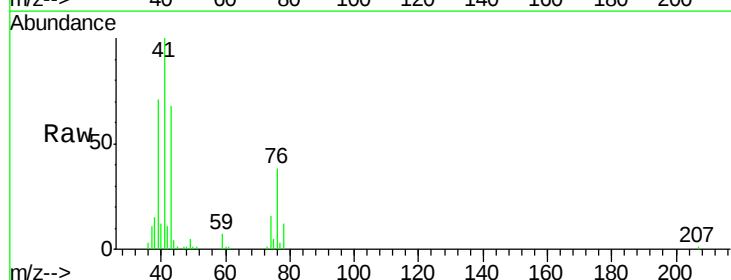
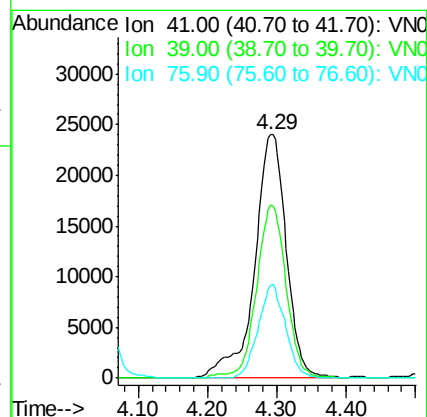
Tgt Ion: 41 Resp: 76359

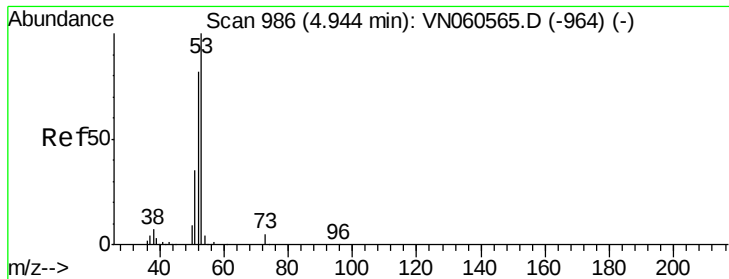
Ion Ratio Lower Upper

41 100

39 64.1 57.8 86.8

76 32.9 28.6 43.0





#15

Acrylonitrile

Concen: 90.999 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

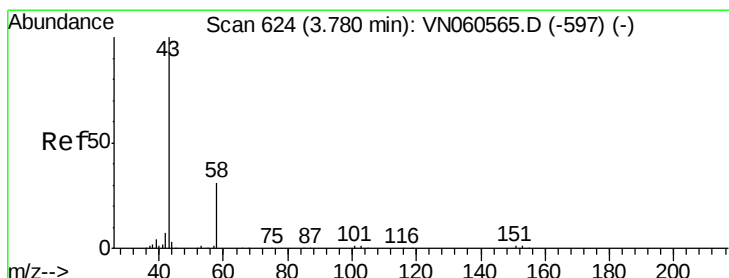
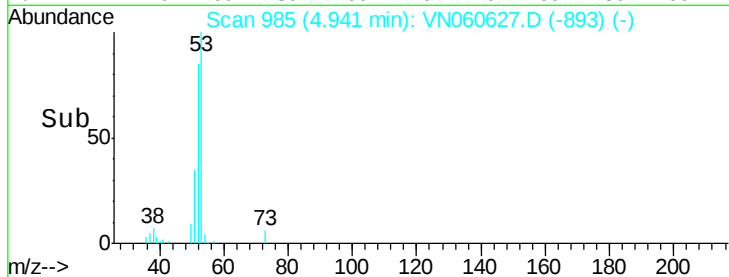
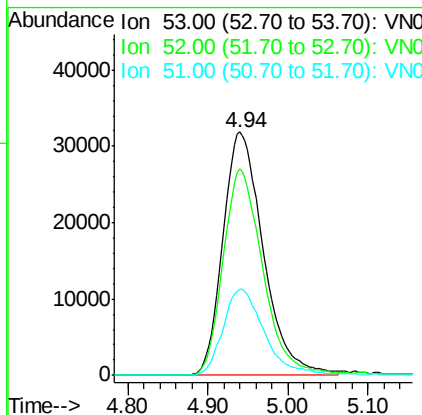
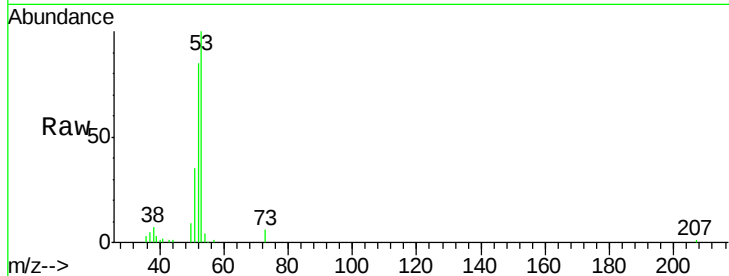
ClientSampleId :

VN0319WBSD01

Tot Ion:	53	Resp:	110195
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.4
51	36.4	28.7	43.1

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#16

Acetone

Concen: 94.147 ug/l

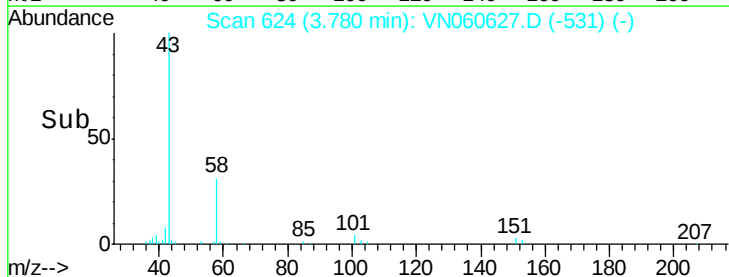
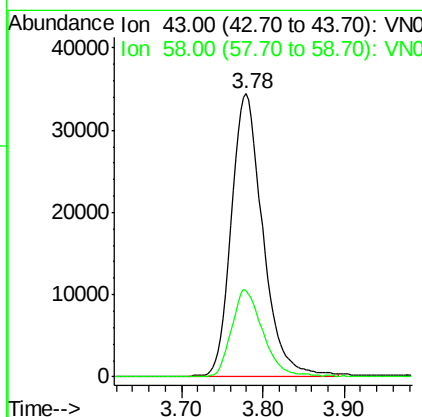
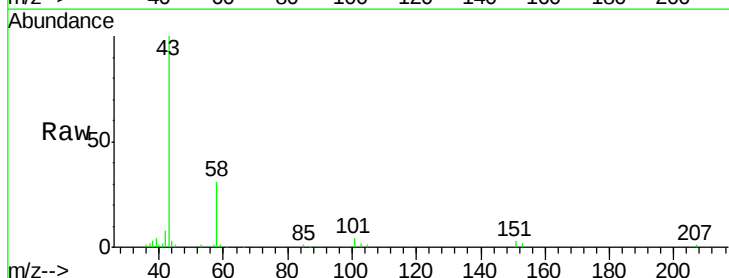
RT: 3.78 min Scan# 624

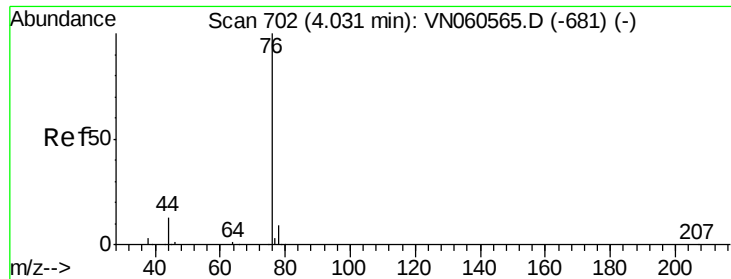
Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion:	43	Resp:	93379
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.1	37.7





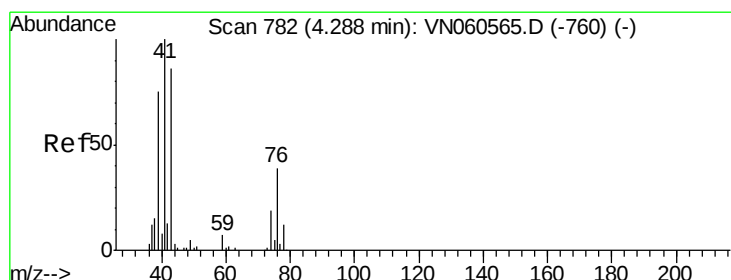
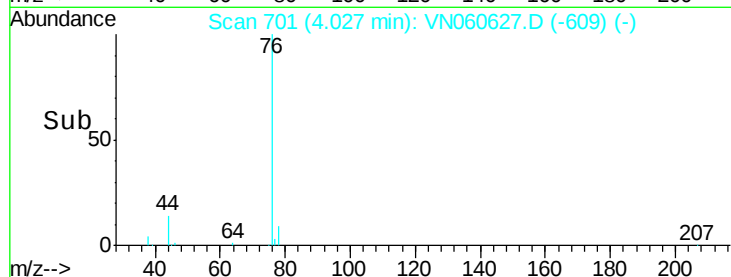
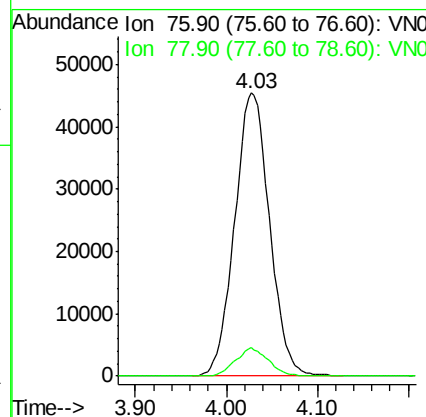
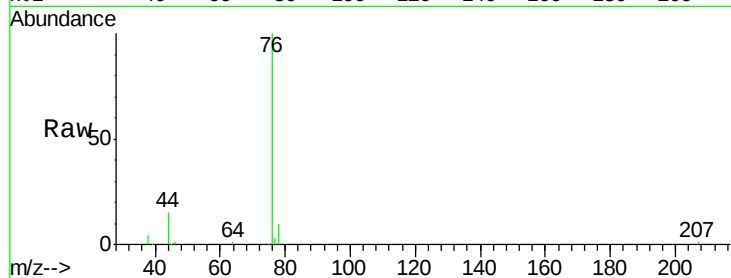
#17
Carbon Disulfide
Concen: 17.989 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

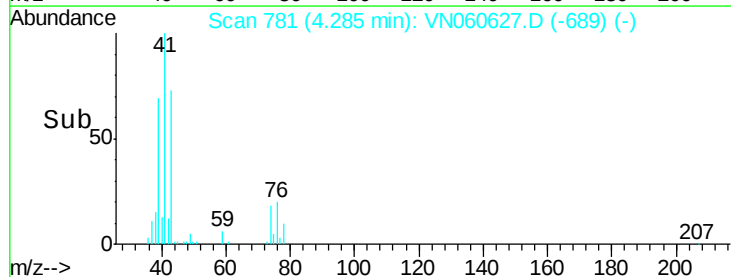
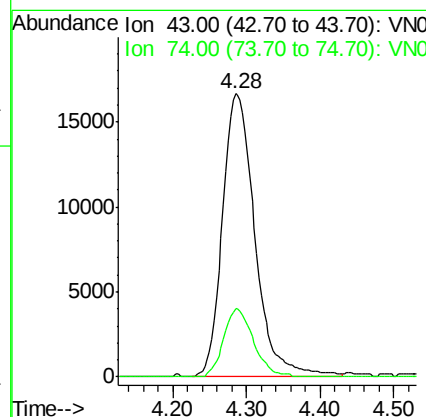
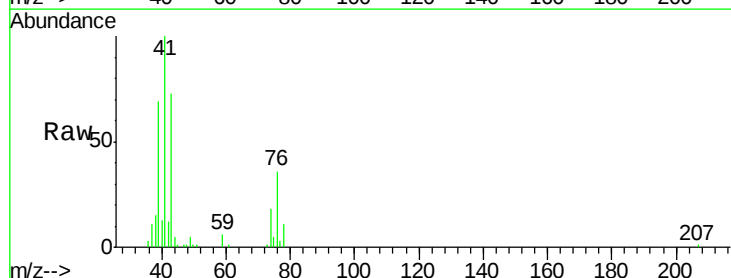
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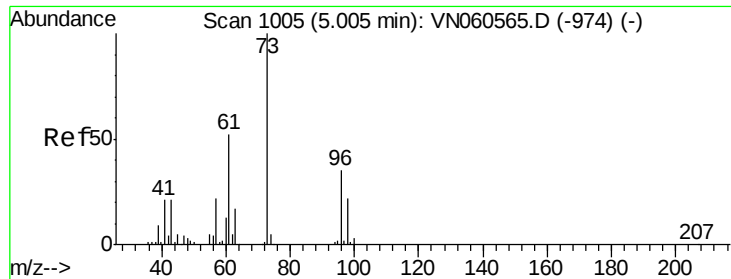
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#18
Methyl Acetate
Concen: 18.340 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.5	26.3





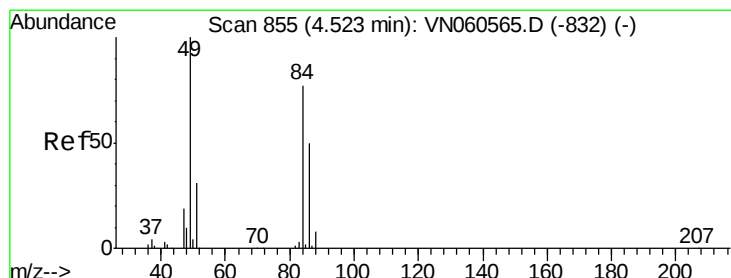
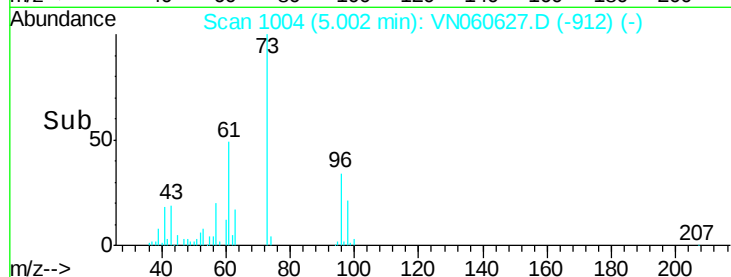
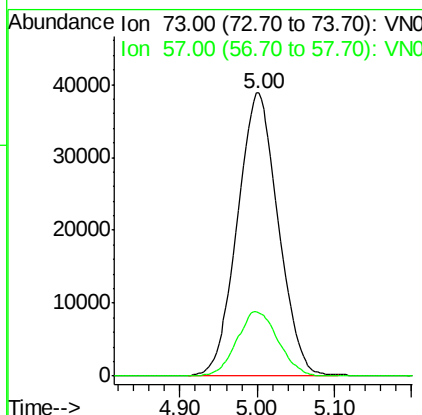
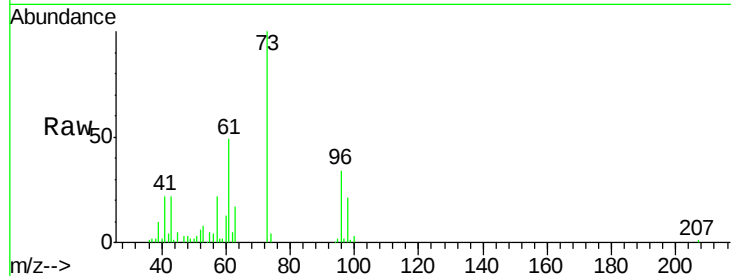
#19
Methvl tert-butvl Ether
Concen: 18.841 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion: 73 Resp: 143054
Ion Ratio Lower Upper
73 100
57 22.2 17.5 26.3

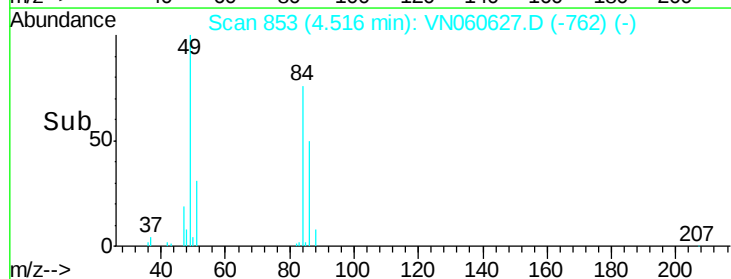
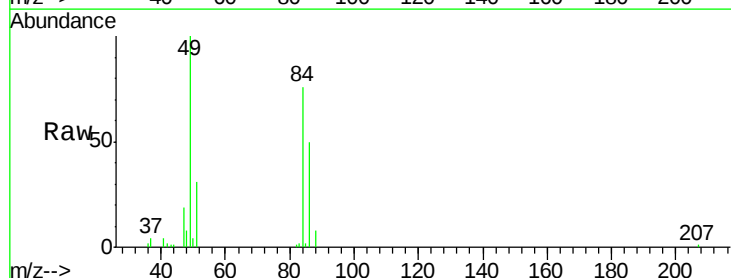
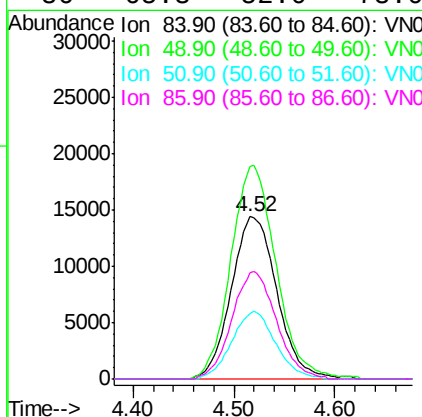
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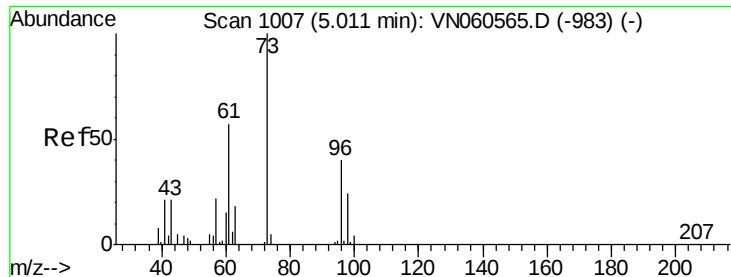
MMDadoda
3/20/2020 12:05:35 PM



#20
Methylene Chloride
Concen: 18.554 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion: 84 Resp: 45269
Ion Ratio Lower Upper
84 100
49 131.4 103.3 154.9
51 40.4 31.6 47.4
86 65.3 52.0 78.0





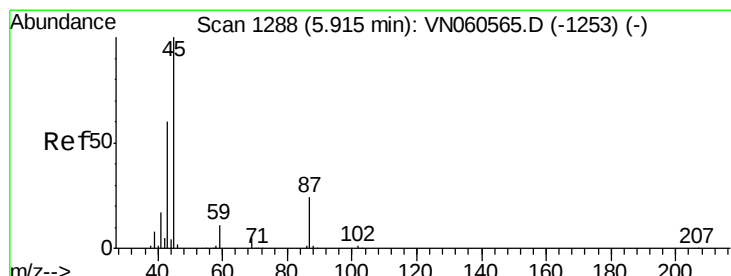
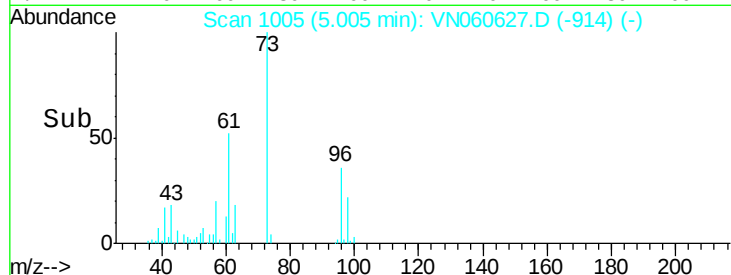
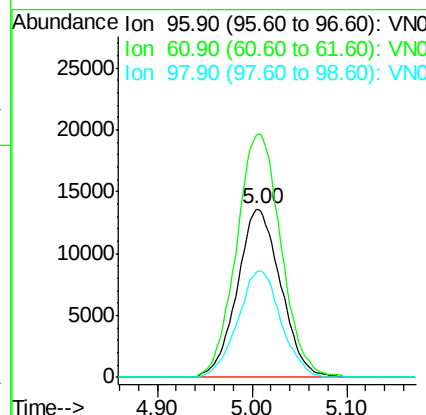
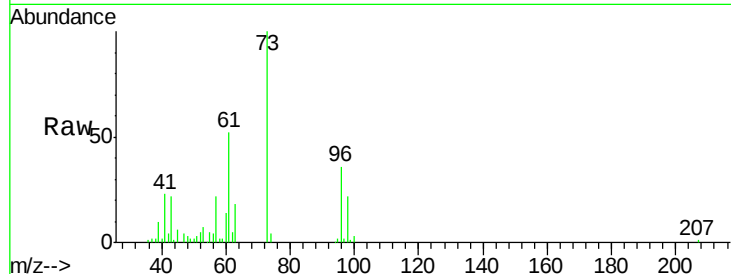
#21
trans-1,2-Dichloroethene
Concen: 18.480 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	114.4	171.6
98	62.5	48.4	72.6

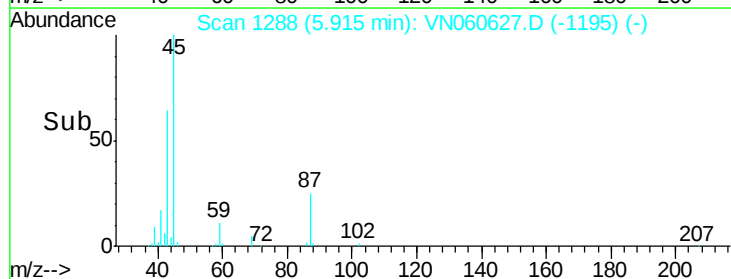
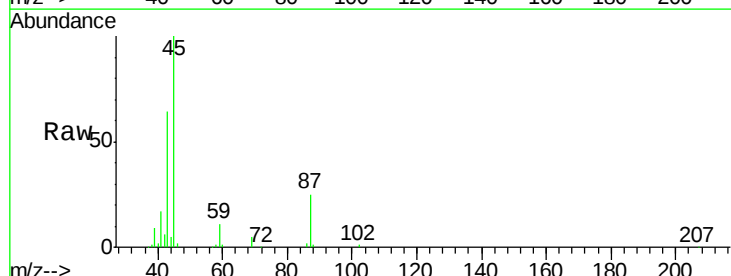
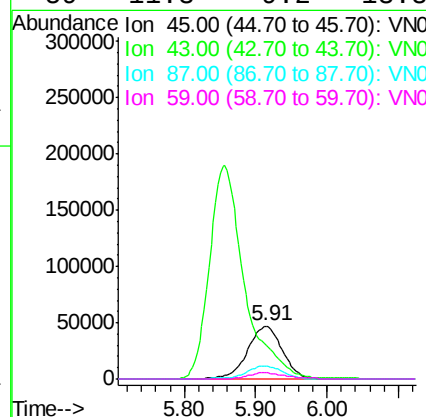
Manual Integrations
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#22
Diisopropyl ether
Concen: 19.392 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	49.8	74.8
87	24.8	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 96.674 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 43 Resp: 647257

Ion Ratio Lower Upper

43 100

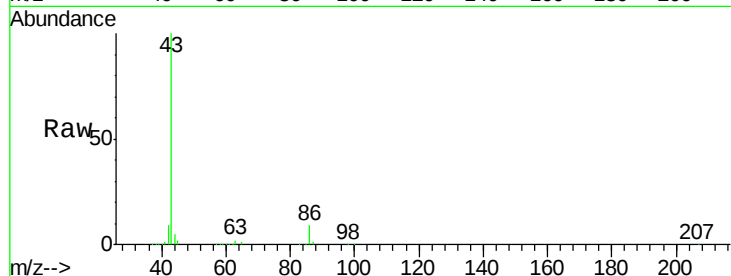
86 9.4 7.6 11.4

Manual Integrations

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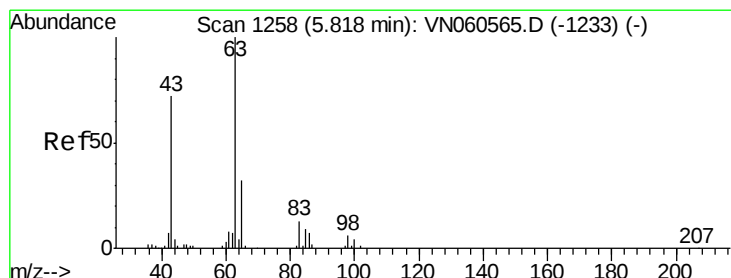
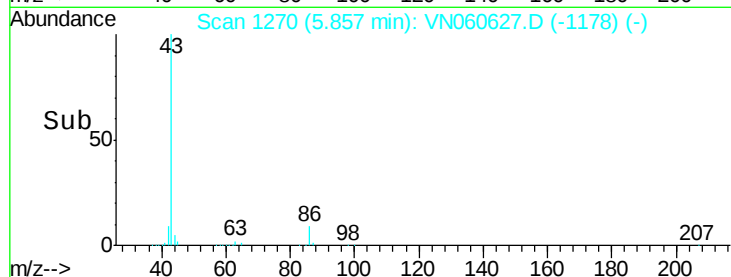
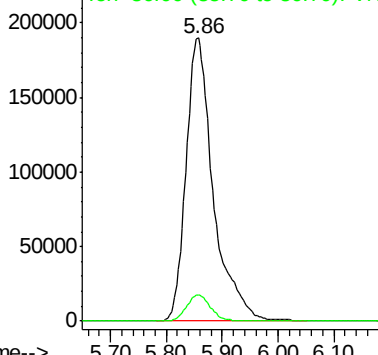
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.750 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

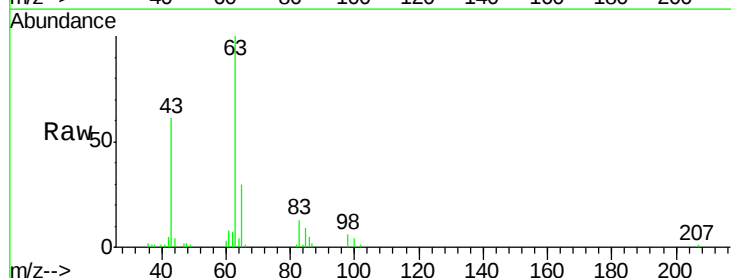
Tgt Ion: 63 Resp: 83875

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

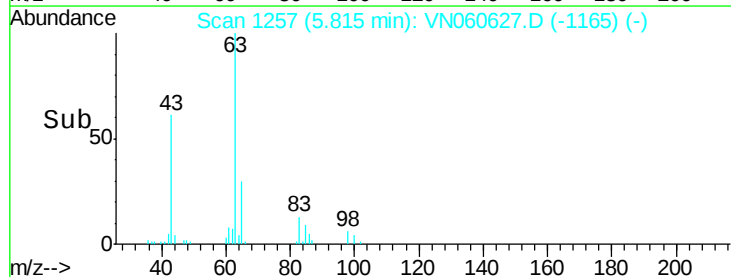
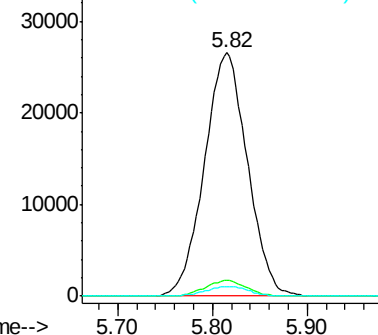
100 3.7 1.8 5.5



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





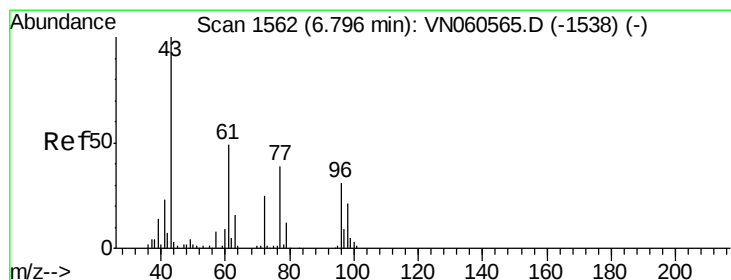
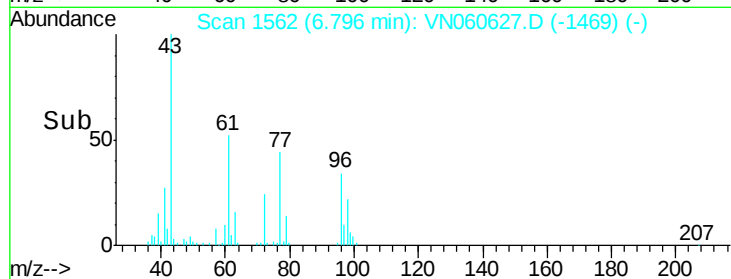
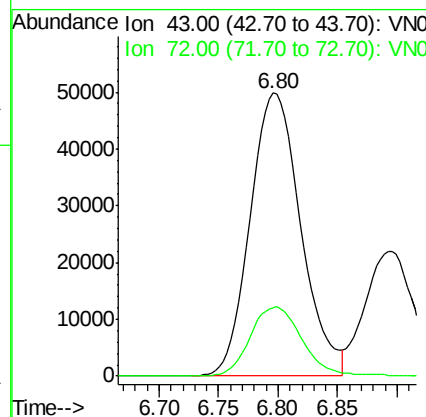
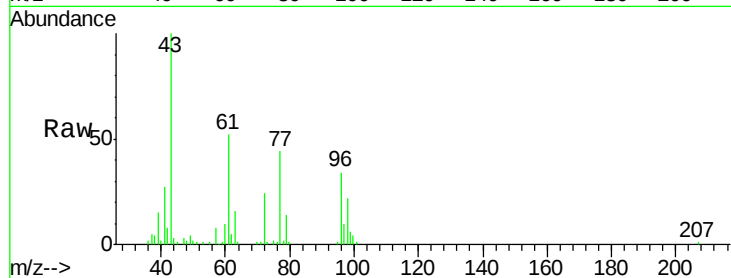
#25
2-Butanone
Concen: 91.756 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion: 43 Resp: 147266
Ion Ratio Lower Upper
43 100
72 24.1 20.4 30.6

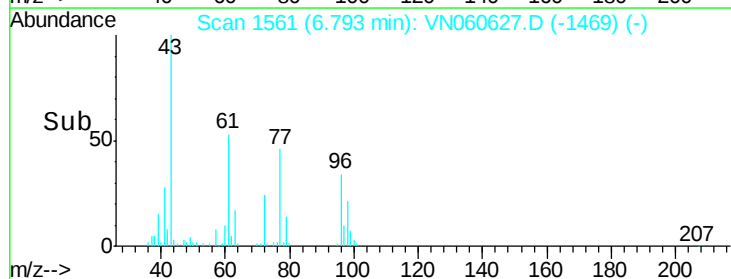
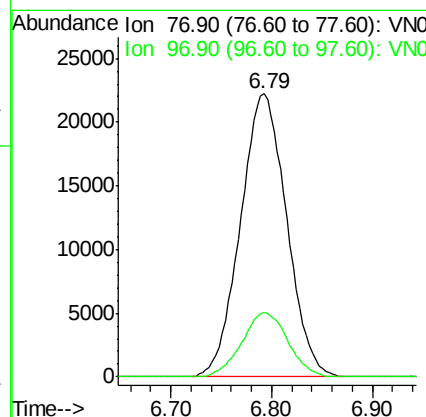
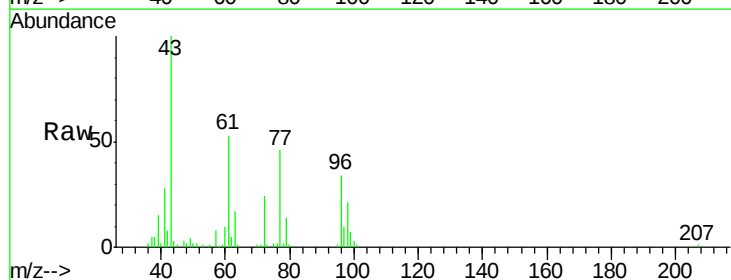
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 20.062 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion: 77 Resp: 70610
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.629 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

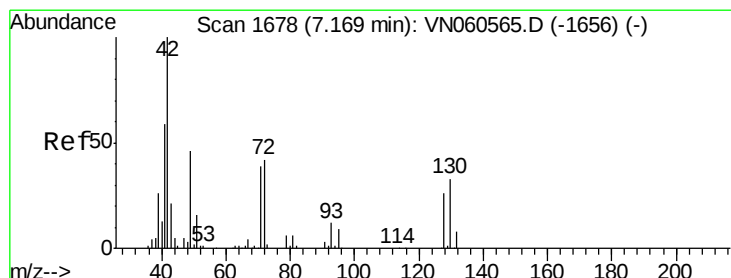
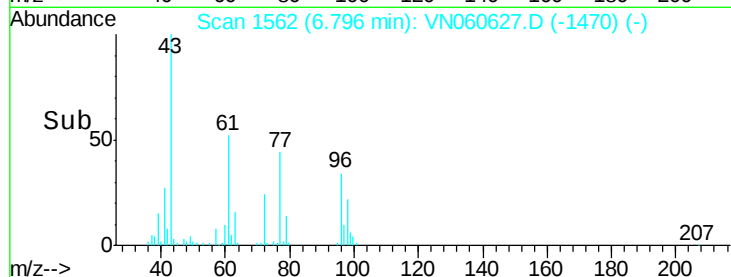
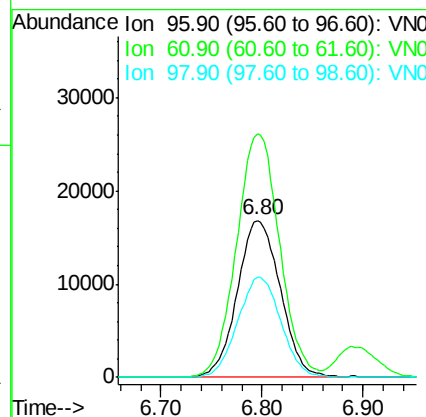
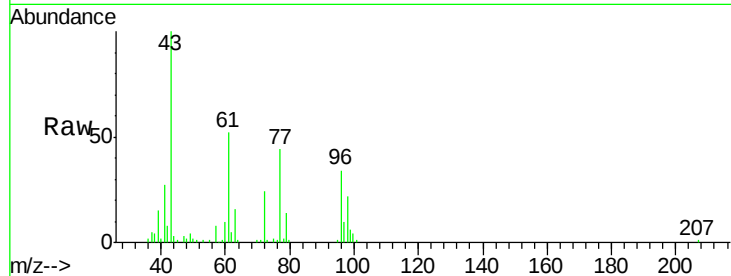
ClientSampleId :

VN0319WBSD01

Tot Ion:	96	Resp:	49826
Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	305.6
98	64.0	0.0	127.6

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#28

Bromochloromethane

Concen: 19.272 ug/l

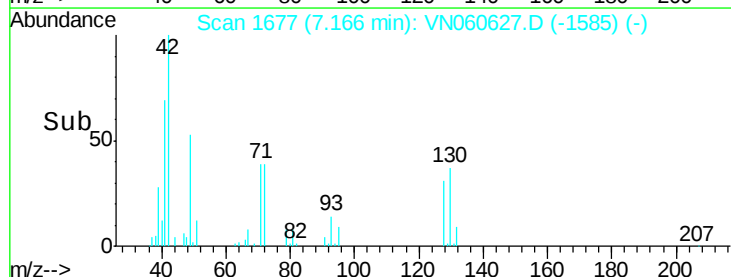
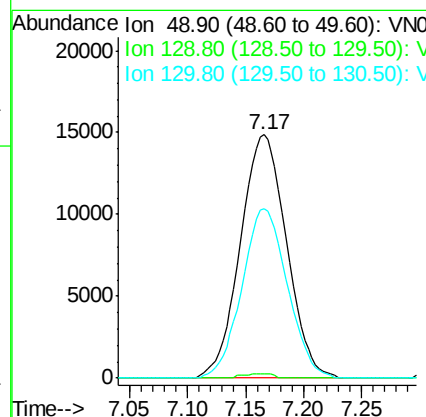
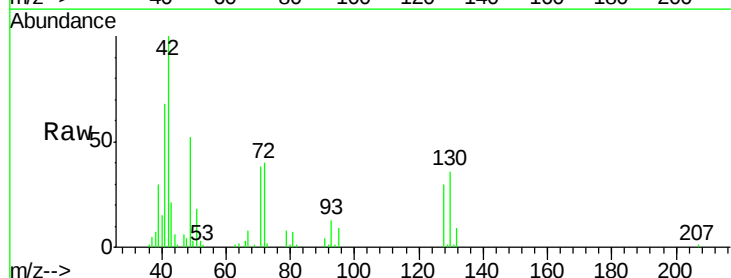
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion:	49	Resp:	41247
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	68.4	55.0	82.4





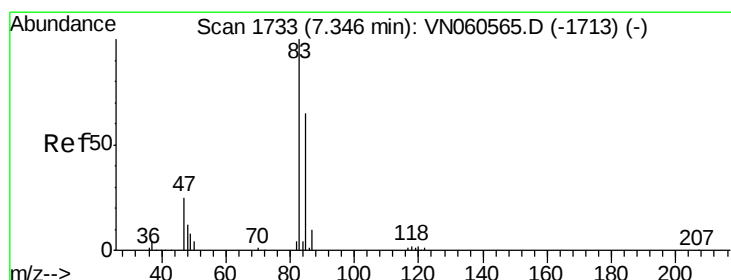
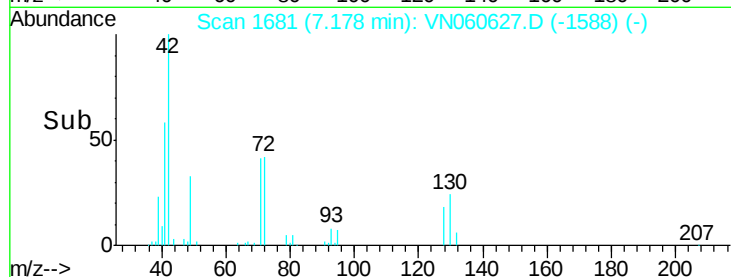
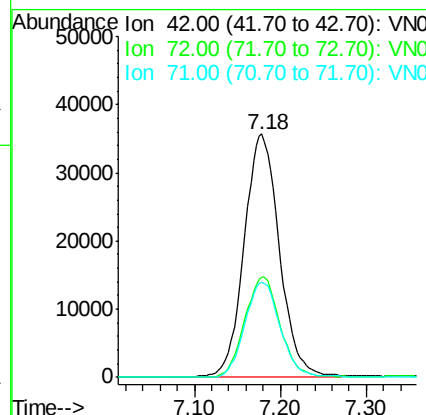
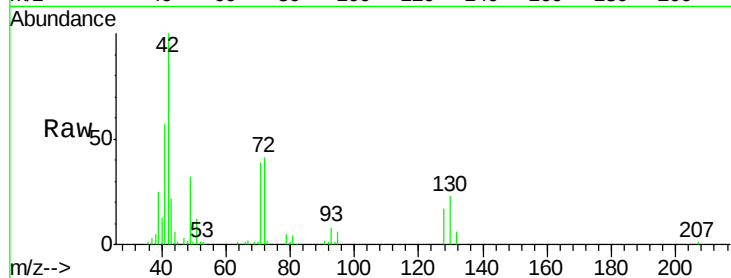
#29
Tetrahydrofuran
Concen: 89.699 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion:	42	Resp:	101861
Ion Ratio		Lower	Upper
42	100		
72	41.2	33.2	49.8
71	38.9	31.1	46.7

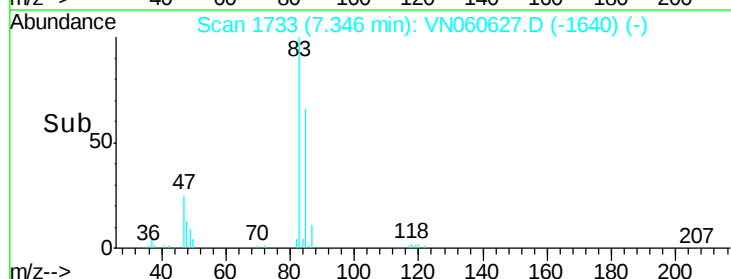
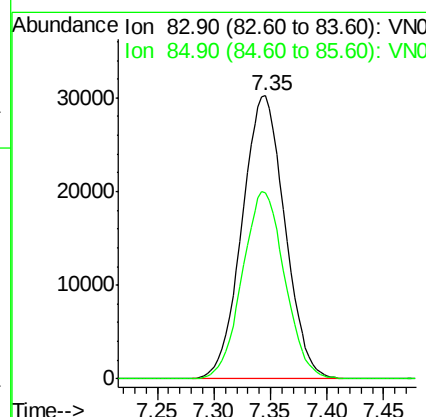
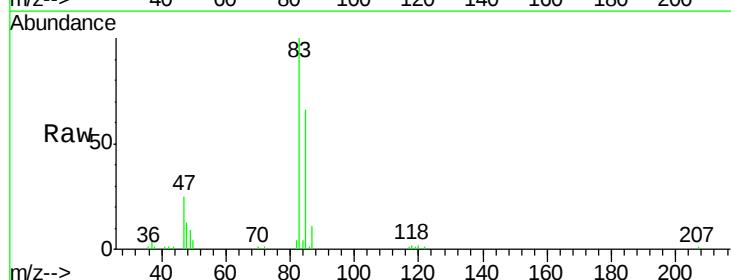
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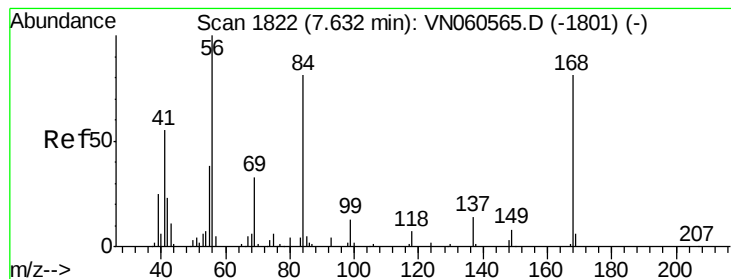
MMDadoda
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#30
Chloroform
Concen: 18.548 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion:	83	Resp:	79543
Ion Ratio		Lower	Upper
83	100		
85	65.8	51.8	77.8





#31

Cyclohexane

Concen: 18.415 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 56 Resp: 83051

Ion Ratio Lower Upper

56 100

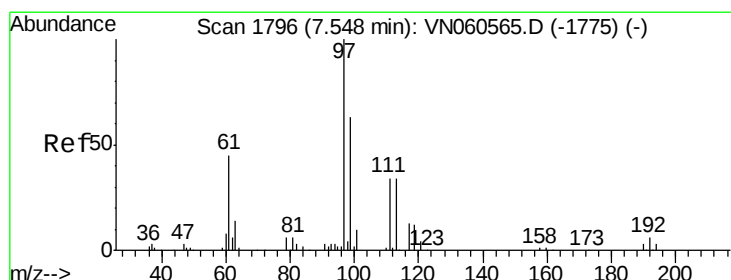
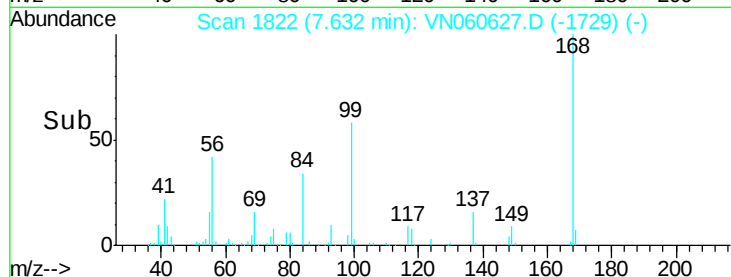
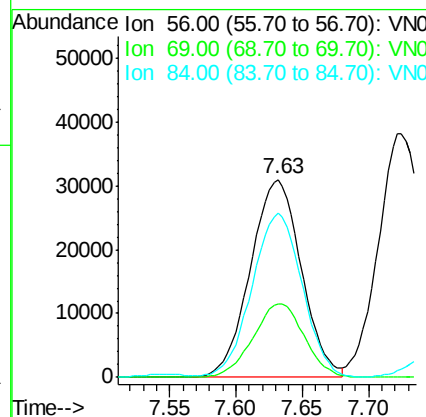
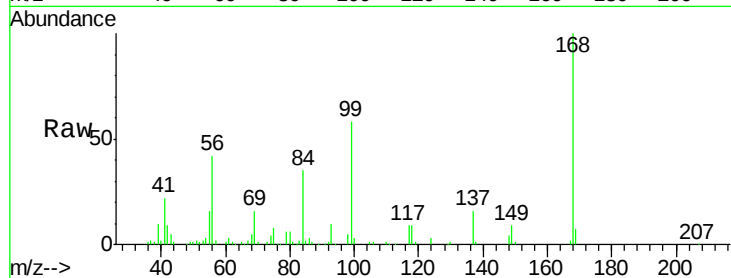
69 37.2 26.6 40.0

84 82.2 64.3 96.5

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3/20/2020 12:05:35 PM



#32

1,1,1-Trichloroethane

Concen: 18.726 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

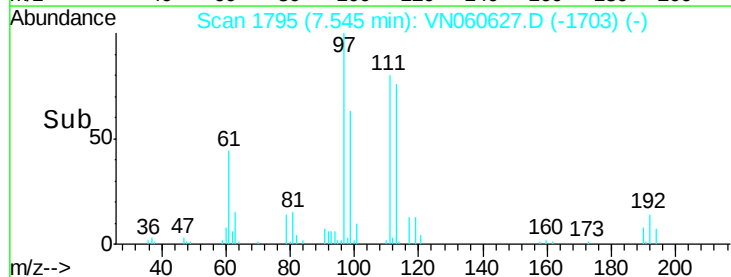
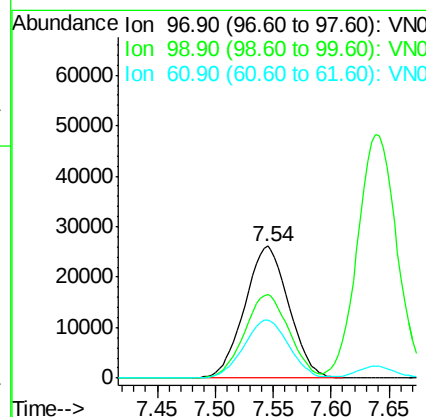
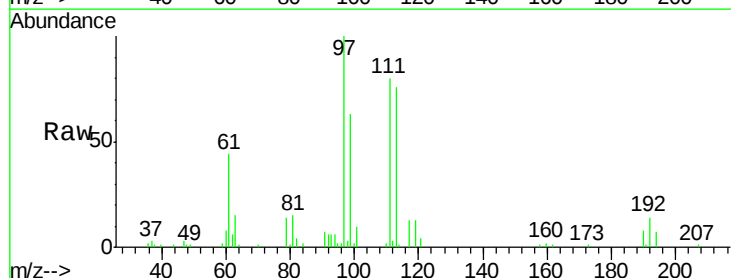
Tgt Ion: 97 Resp: 69230

Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

61 44.9 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 46.409 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 65 Resp: 129948

Ion Ratio Lower Upper

65 100

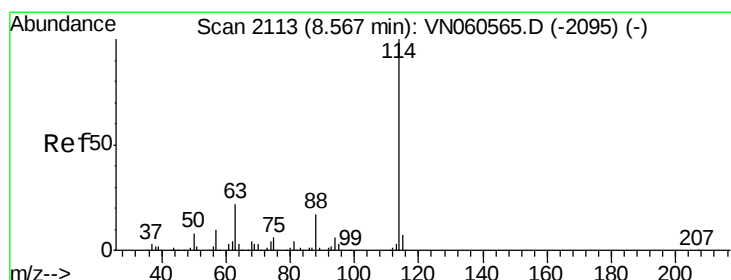
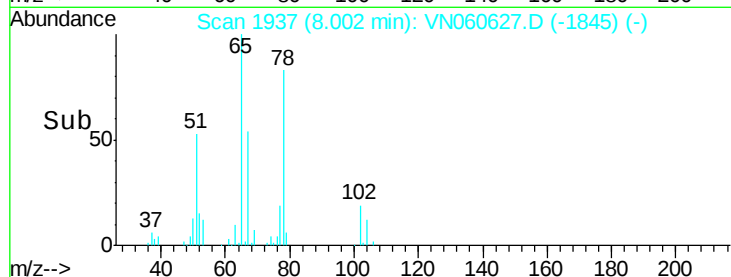
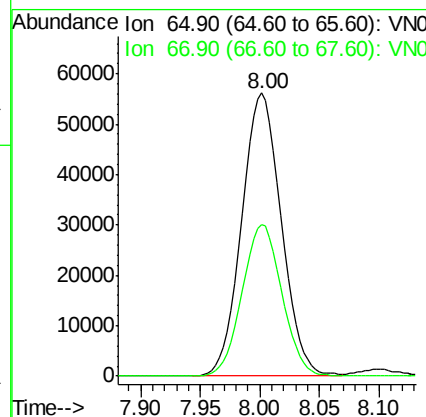
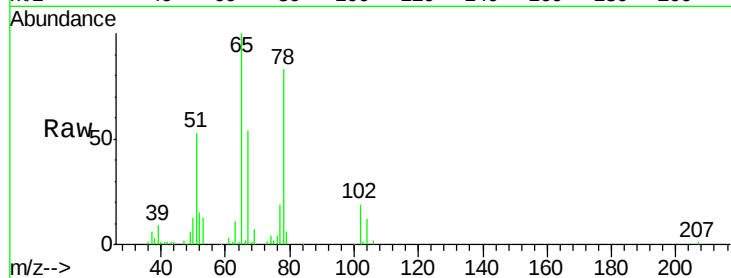
67 53.6 0.0 107.6

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3/20/2020 12:05:35 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

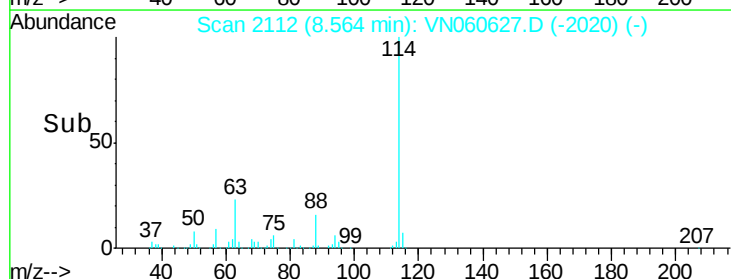
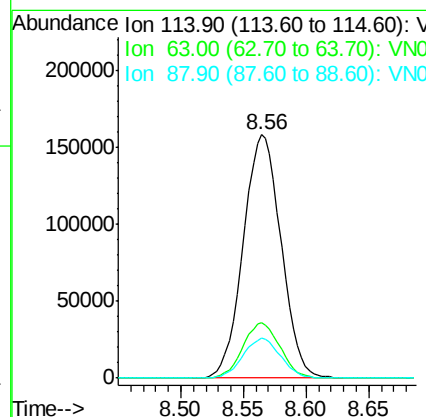
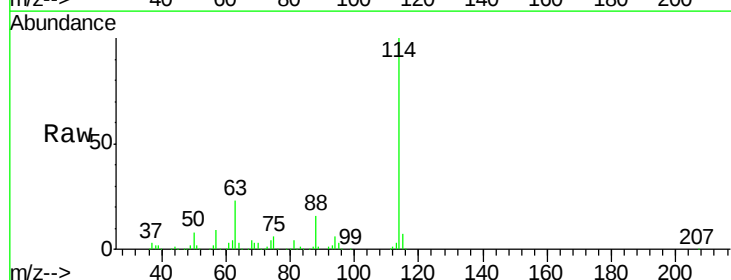
Tgt Ion: 114 Resp: 331468

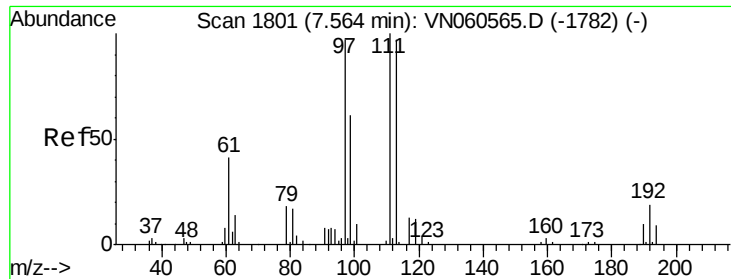
Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.8

88 16.2 0.0 33.0





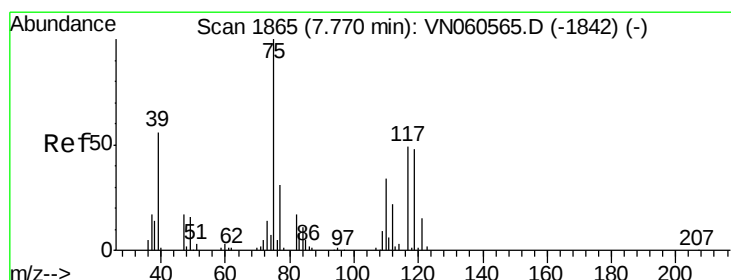
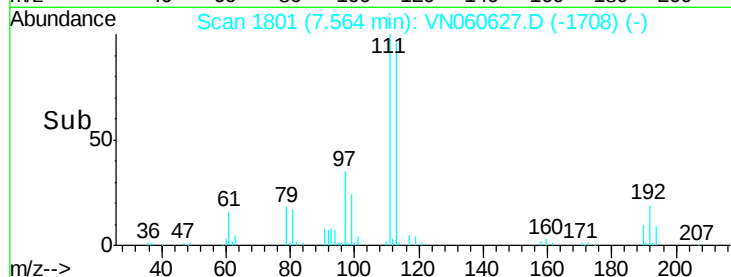
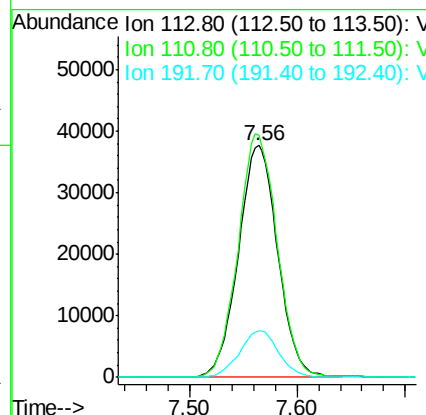
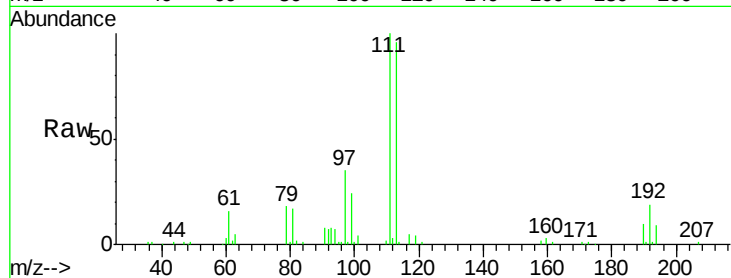
#35
 Dibromofluoromethane
 Concen: 47.655 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.5	82.9	124.3	
192	19.9	15.8	23.8	

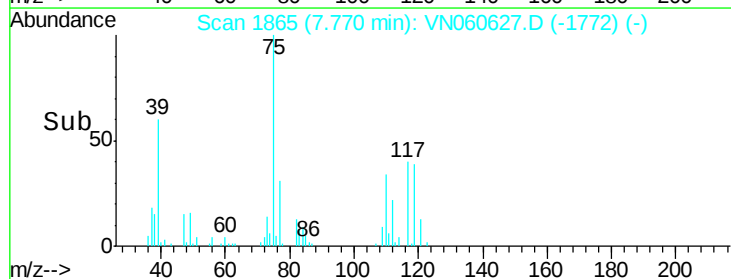
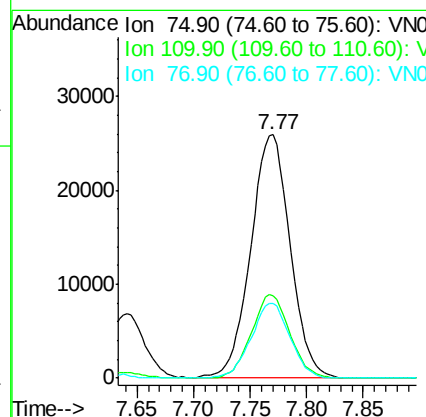
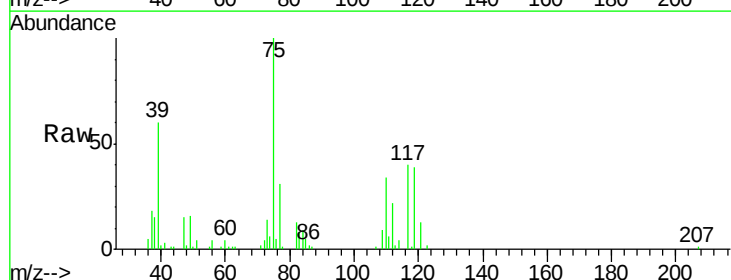
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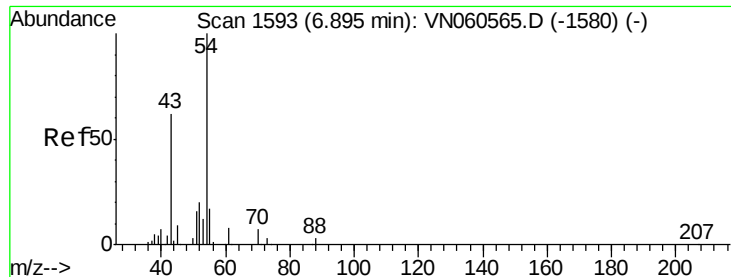
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 3/20/2020 12:05:35 PM



#36
 1,1-Dichloropropene
 Concen: 19.591 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	16.9	50.6	
77	30.4	24.6	36.8	





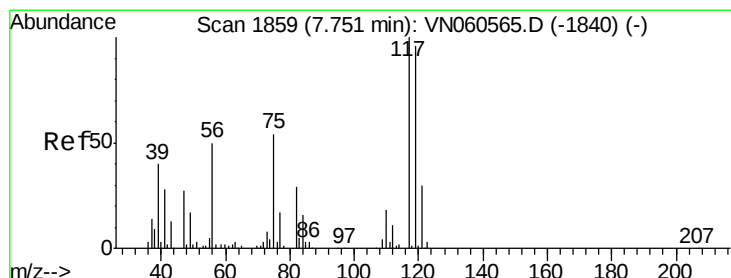
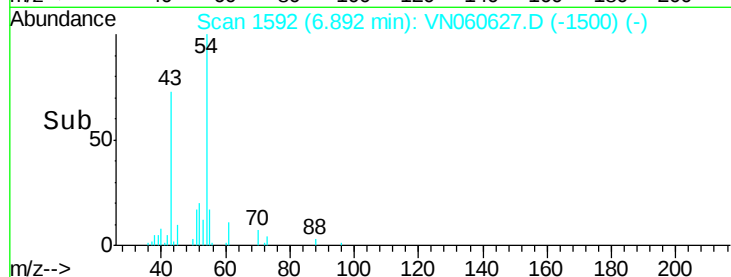
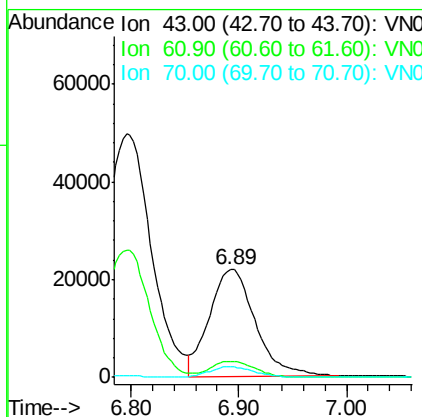
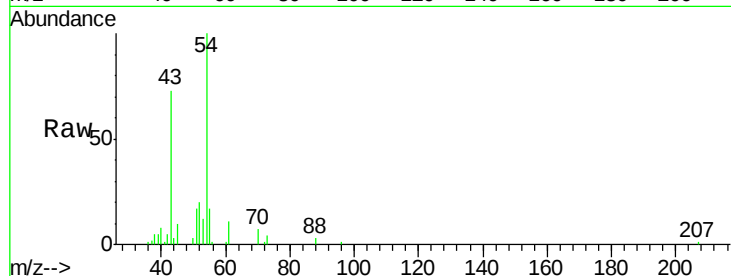
#37
Ethyl Acetate
Concen: 18.637 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	15.8
70	9.4	7.9	11.9

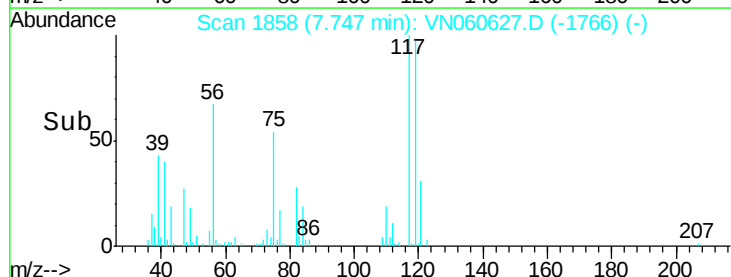
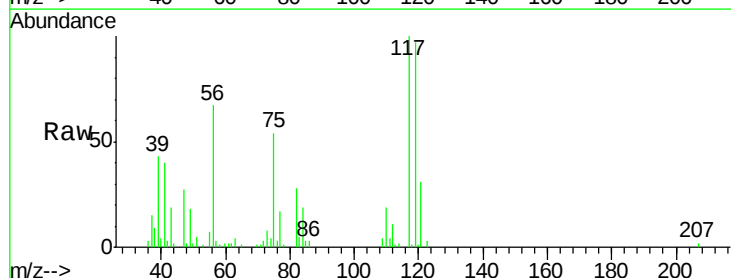
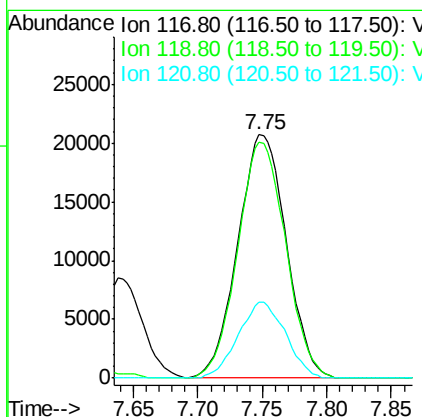
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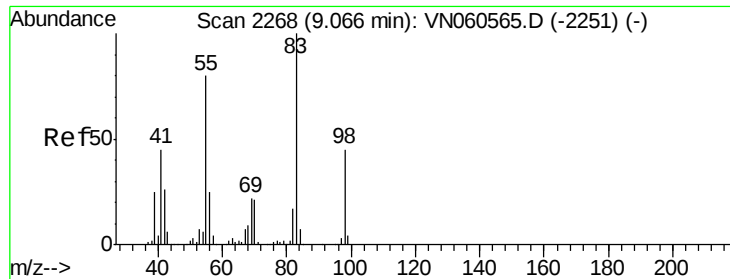
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#38
Carbon Tetrachloride
Concen: 18.842 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.2	114.2
121	31.3	23.7	35.5





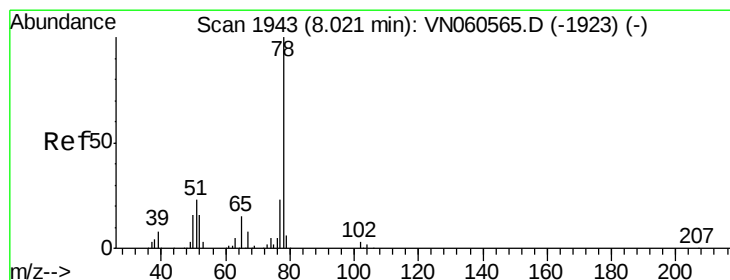
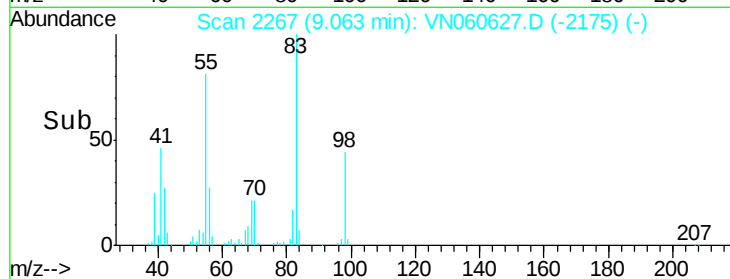
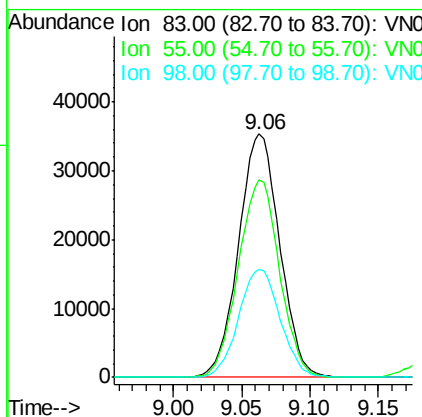
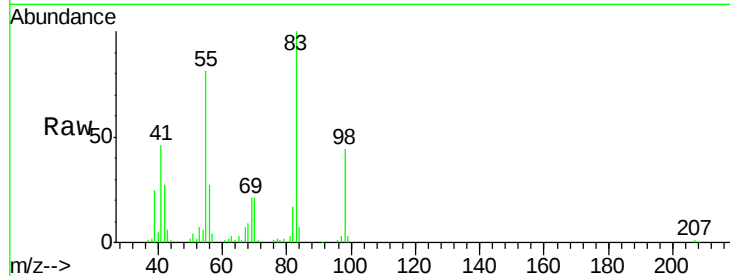
#39
Methvlcvclohexane
Concen: 19.380 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	63.6	95.4
98	44.3	36.0	54.0

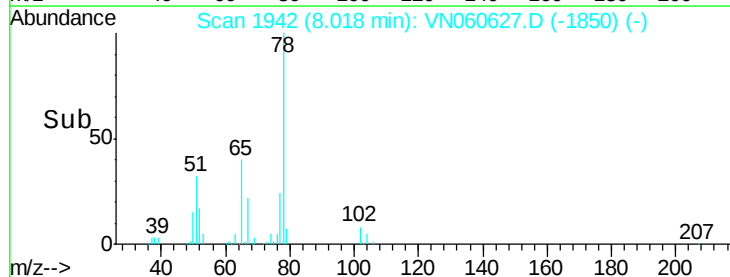
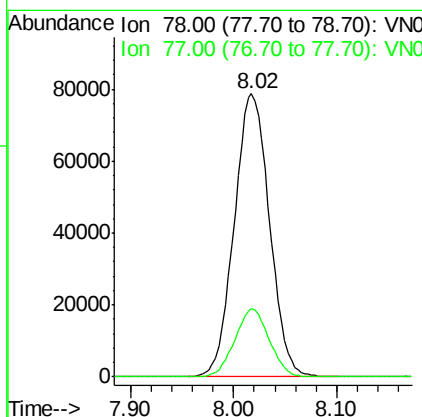
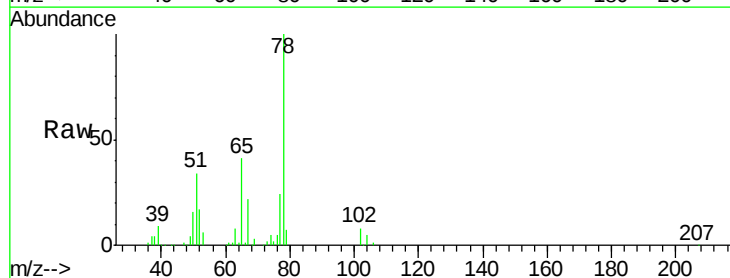
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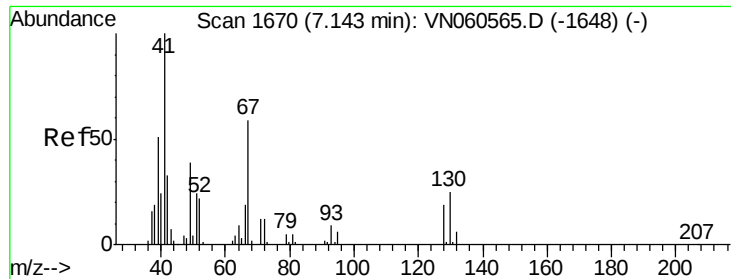
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#40
Benzene
Concen: 19.317 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





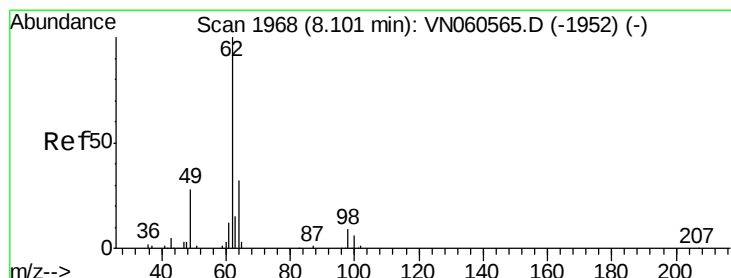
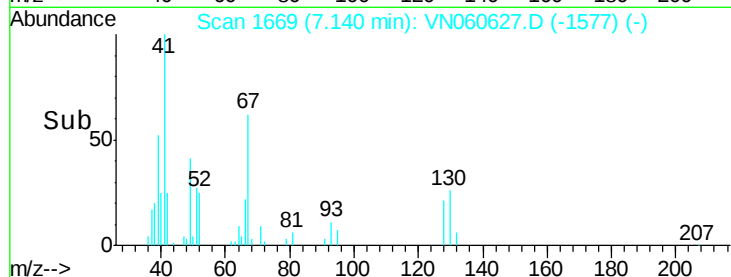
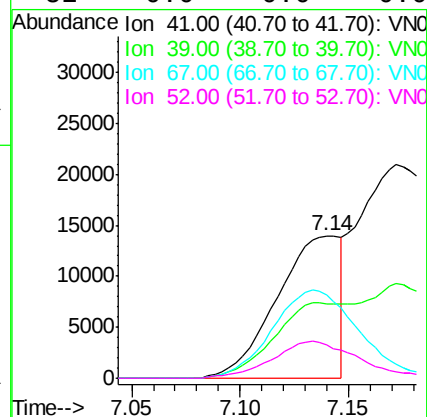
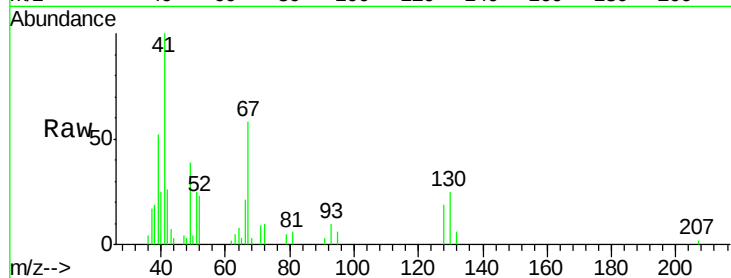
#41
Methacrylonitrile
Concen: 19.196 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	41	Resp:	28412
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

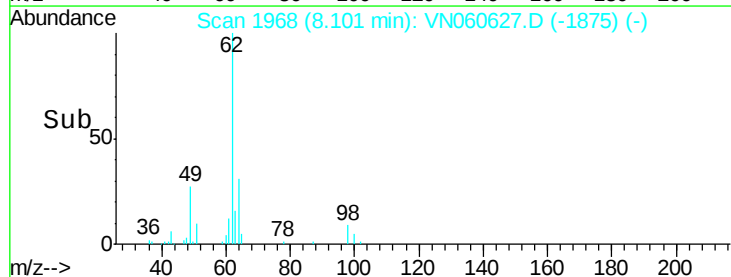
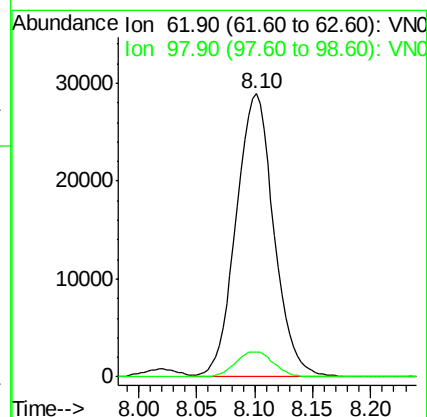
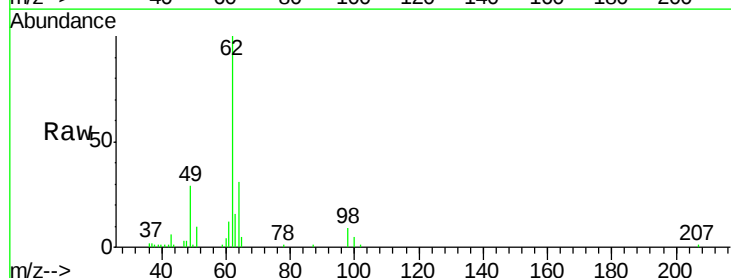
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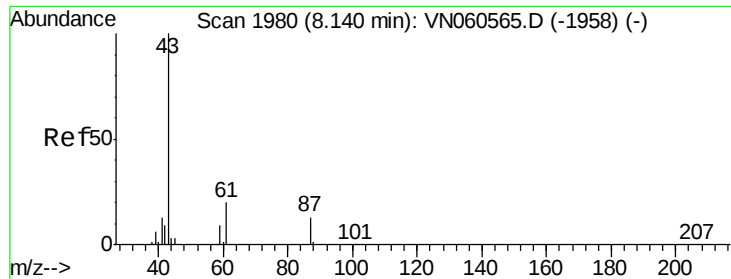
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#42
1,2-Dichloroethane
Concen: 19.803 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	62	Resp:	65574
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.8





#43

Isopropyl Acetate

Concen: 18.947 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

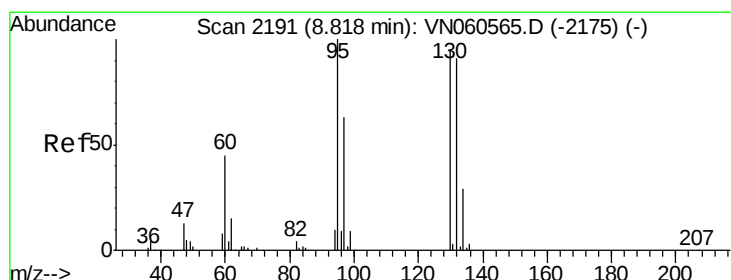
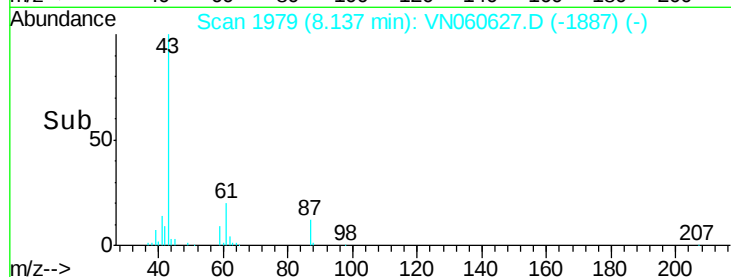
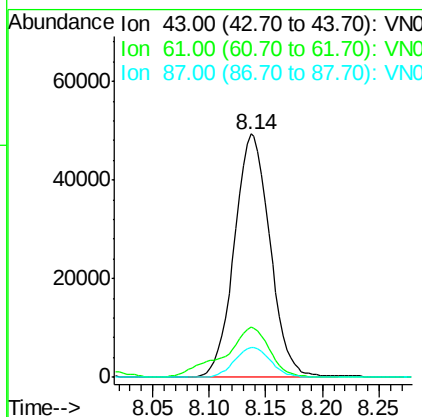
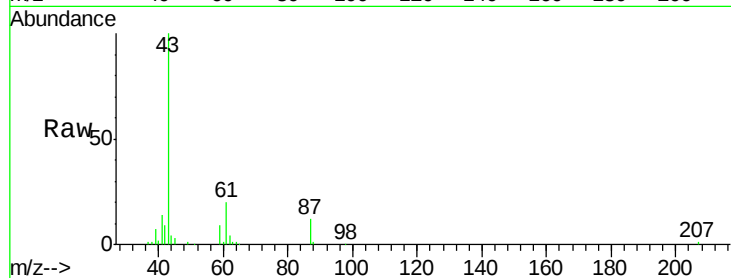
ClientSampleId :

VN0319WBSD01

Tot Ion:	43	Resp:	108369
Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.7	31.1
87	12.2	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 19.741 ug/l

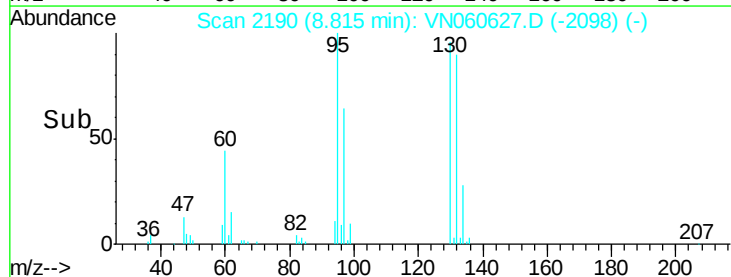
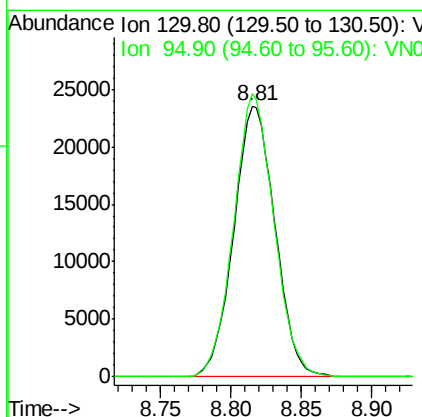
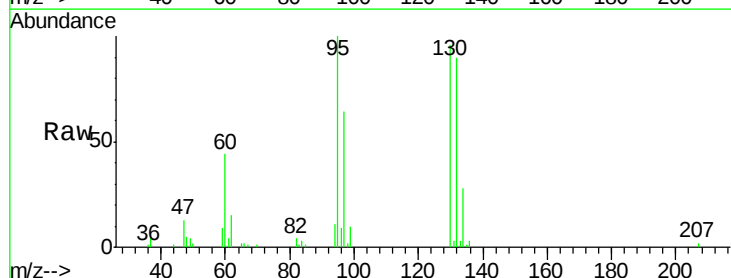
RT: 8.81 min Scan# 2190

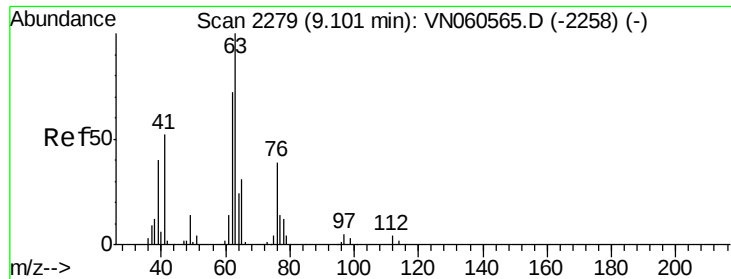
Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion:	130	Resp:	48218
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	211.2





#45

1,2-Dichloropropane

Concen: 19.862 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 63 Resp: 50779

Ion Ratio Lower Upper

63 100

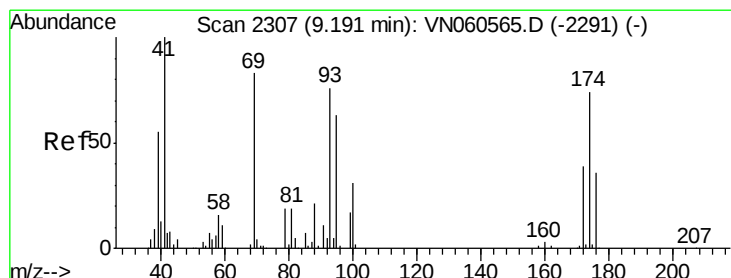
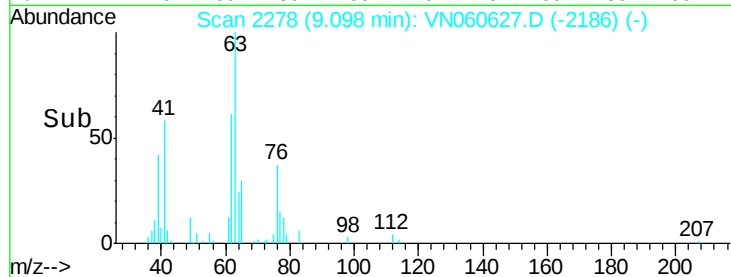
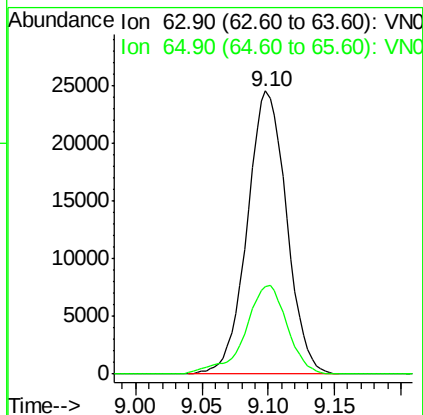
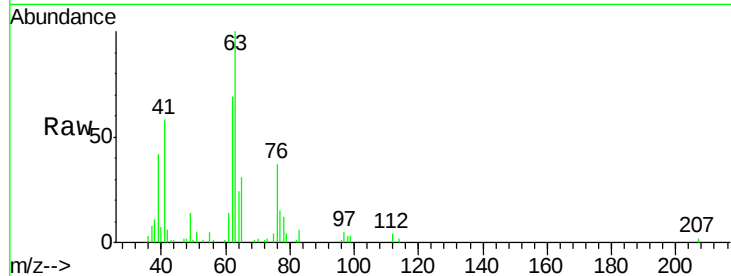
65 31.1 25.4 38.0

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#46

Dibromomethane

Concen: 19.764 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

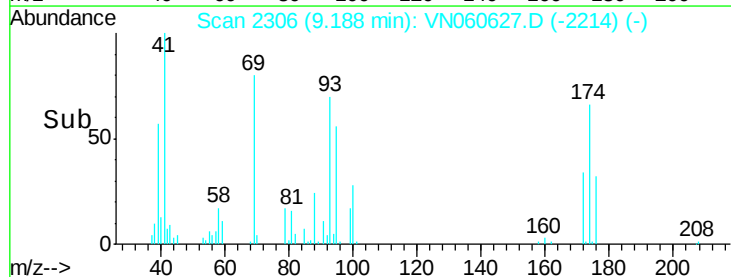
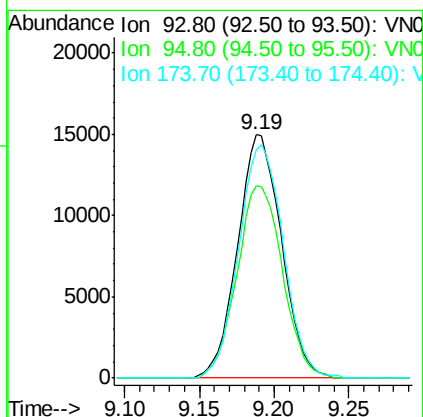
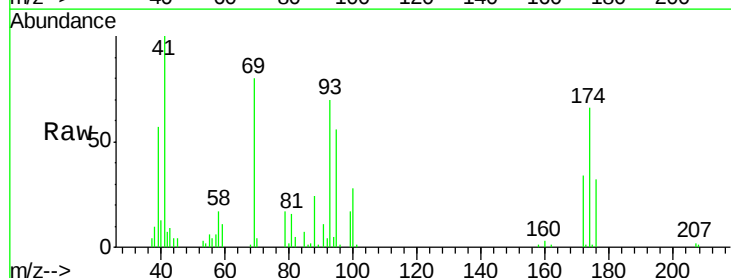
Tgt Ion: 93 Resp: 30548

Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

174 97.8 77.9 116.9





#47

Bromodichloromethane

Concen: 19.322 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

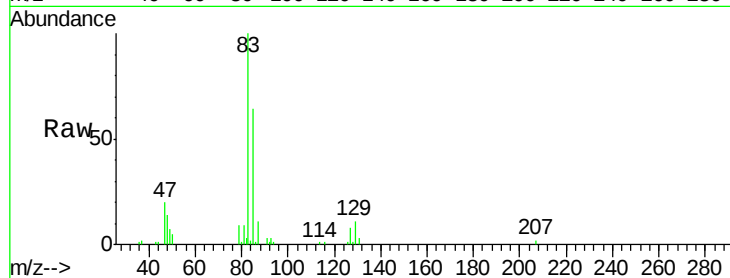
ClientSampleId :

VN0319WBSD01

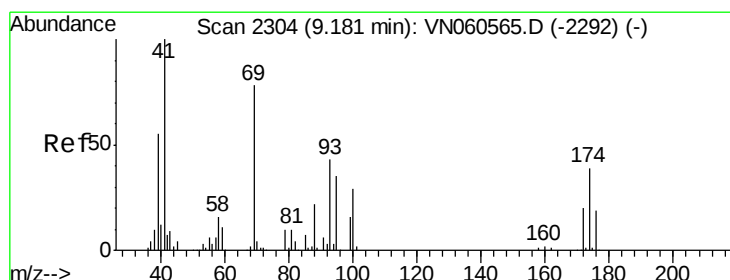
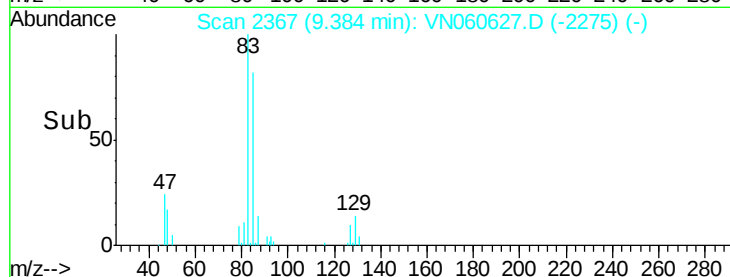
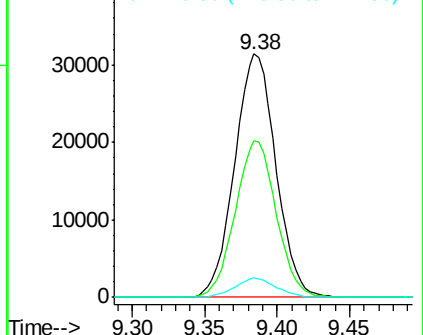
Tot Ion:	83	Resp:	62060
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	7.8	6.5	9.7

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Abundance Ion 82.90 (82.60 to 83.60): VN060627.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.260 ug/l

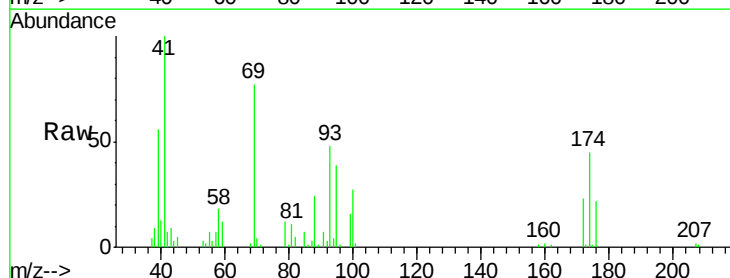
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

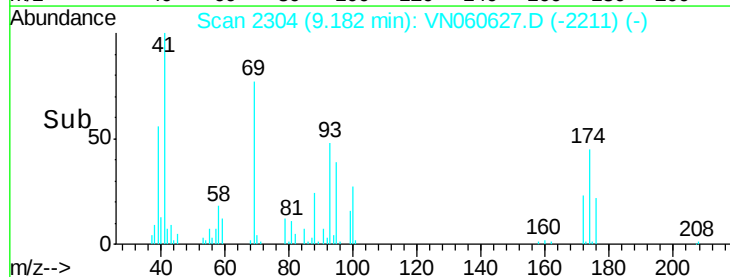
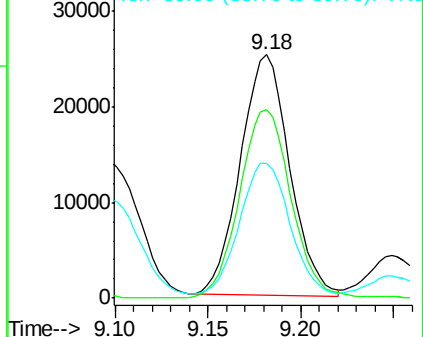
Lab File: VN060627.D

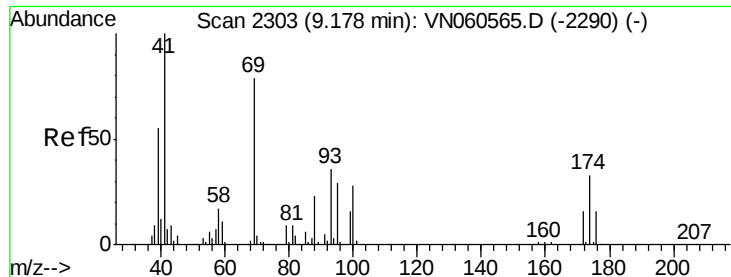
Acq: 19 Mar 2020 11:36

Tgt Ion:	41	Resp:	46500
Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.4	98.0
39	59.3	44.0	66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060627.D (-2211) (-)





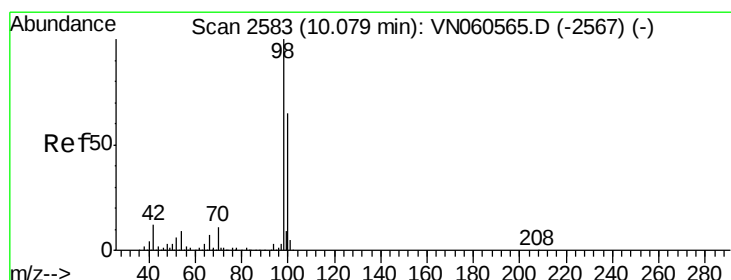
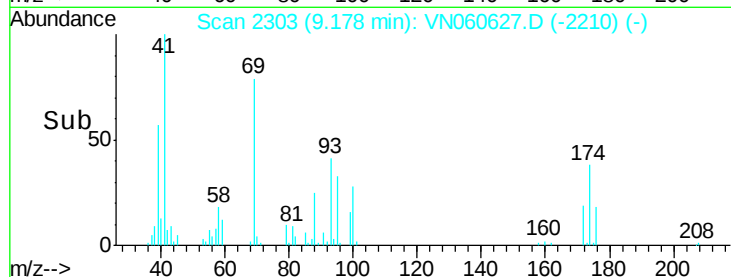
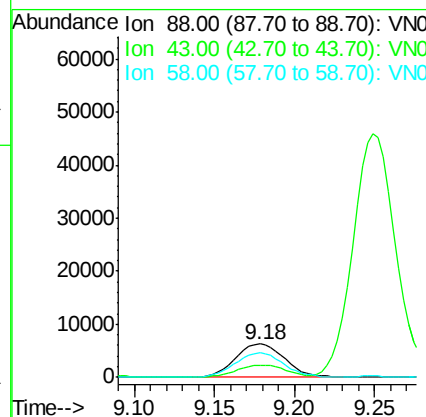
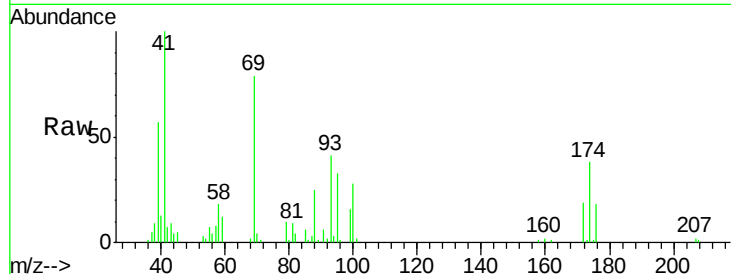
#49
1,4-Dioxane
Concen: 437.093 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	30.8	46.2
58	72.5	59.8	89.8

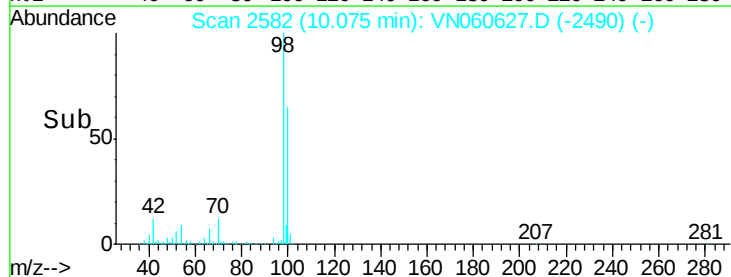
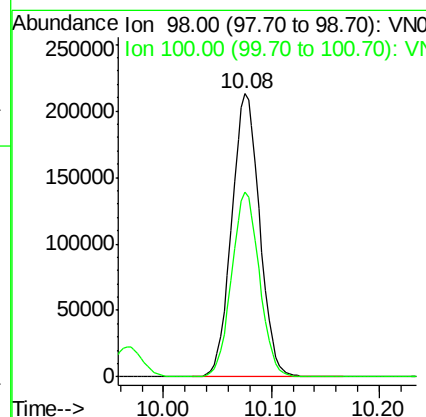
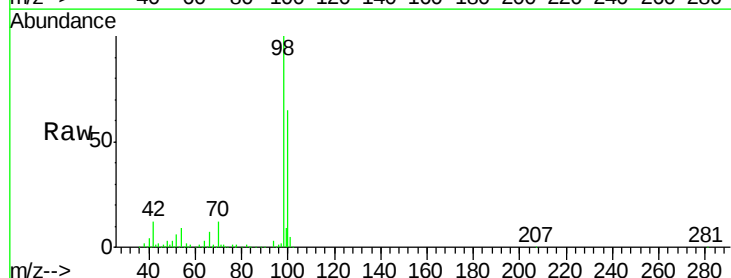
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#50
Toluene-d8
Concen: 46.935 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





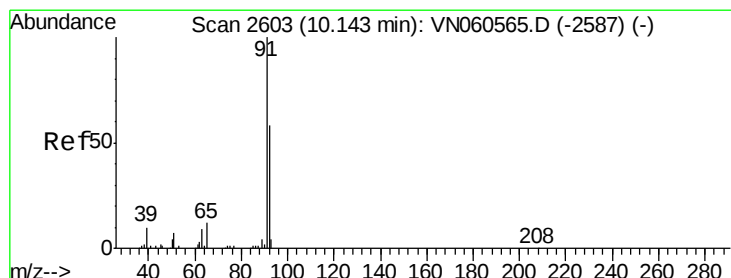
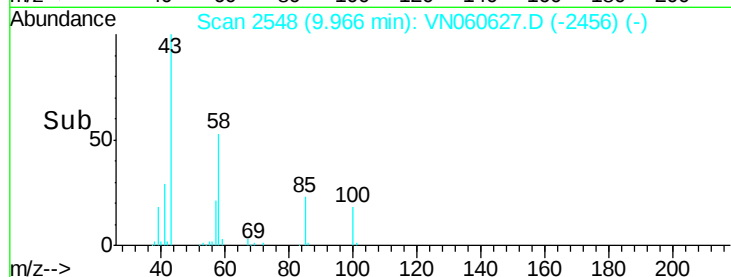
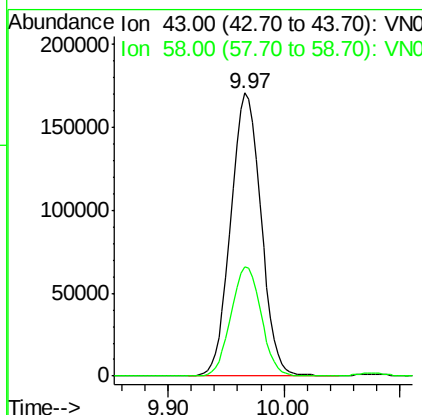
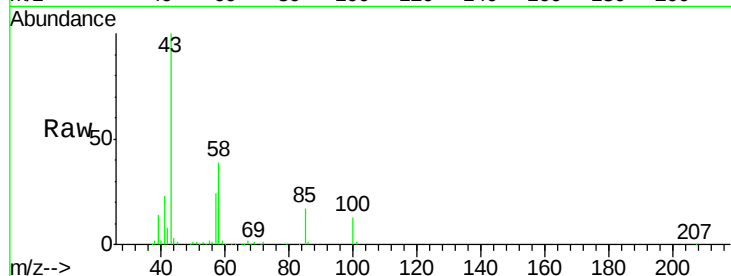
#51
4-Methyl-2-Pentanone
Concen: 94.838 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.8	46.2

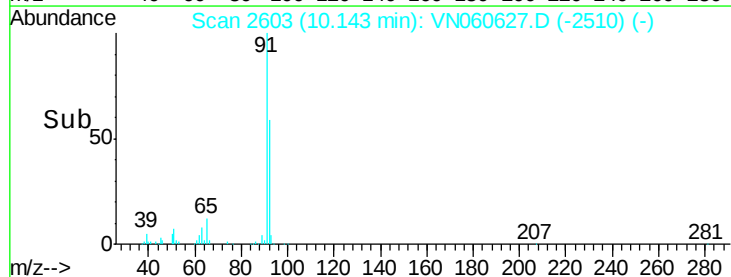
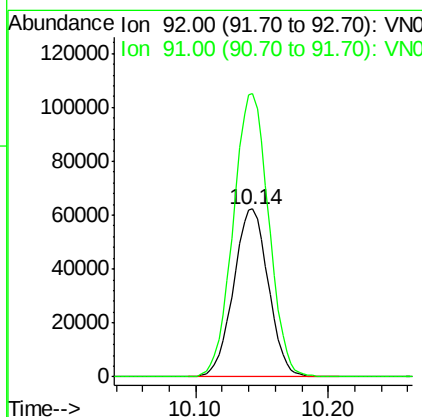
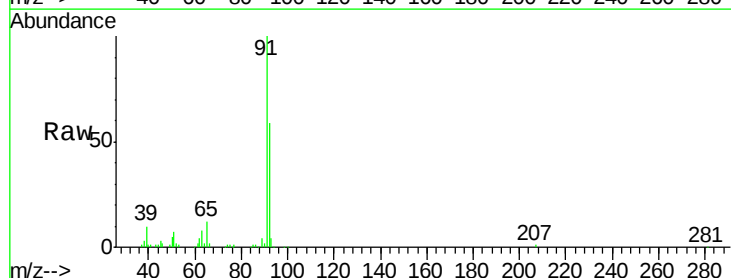
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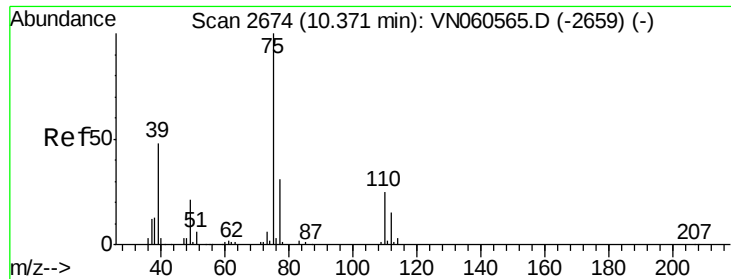
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#52
Toluene
Concen: 19.437 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.6	206.4





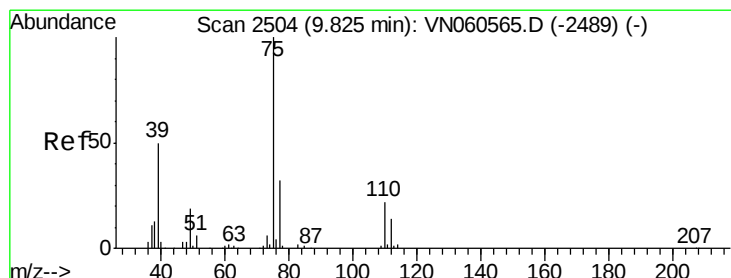
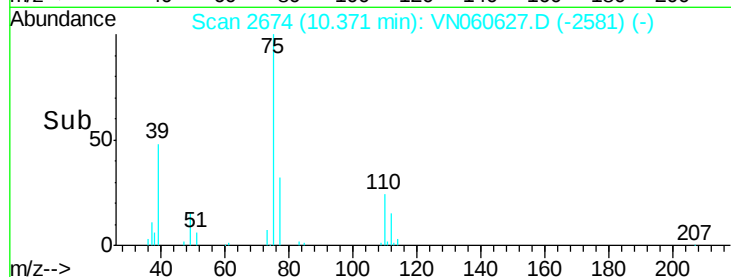
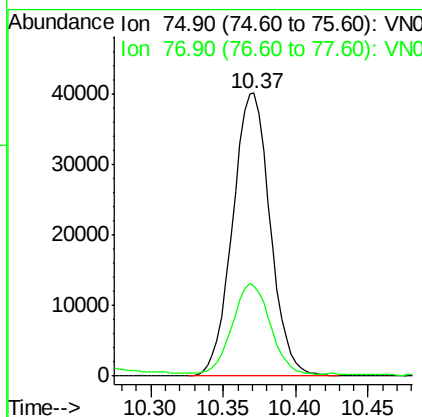
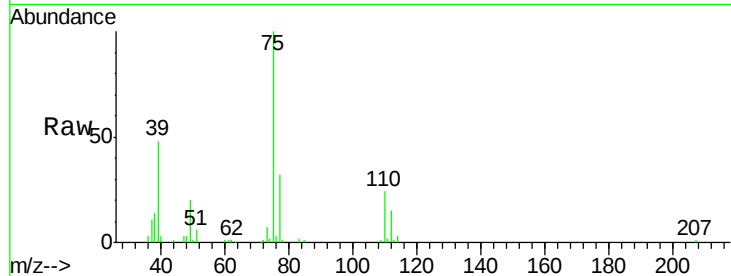
#53
t-1,3-Dichloropropene
Concen: 19.533 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0319WBSD01

Tot Ion: 75 Resp: 72064
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

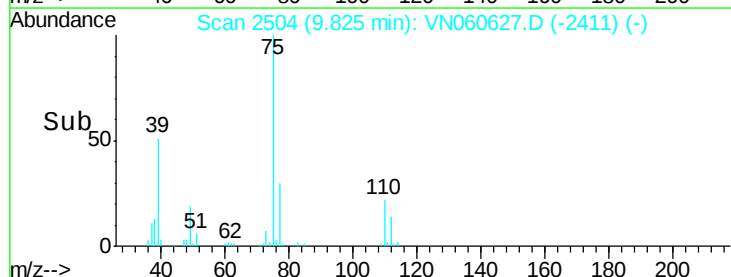
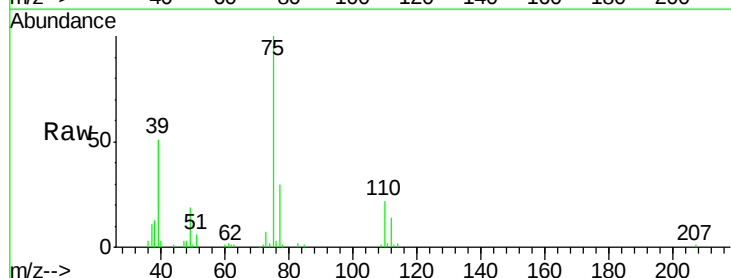
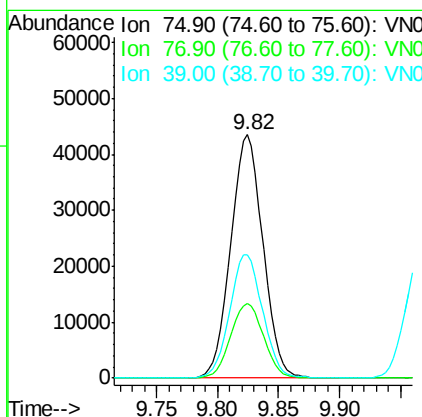
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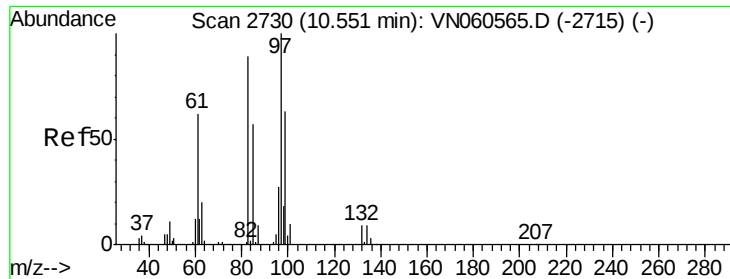
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#54
cis-1,3-Dichloropropene
Concen: 19.756 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion: 75 Resp: 79962
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.0
39 50.7 40.2 60.4





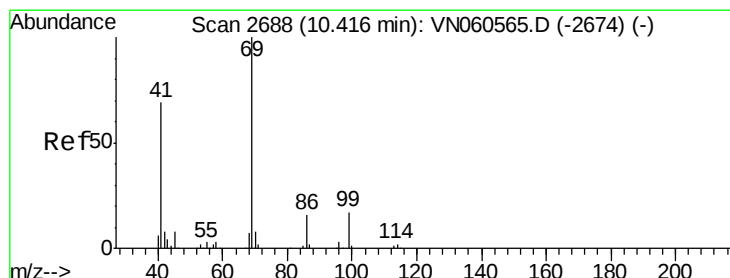
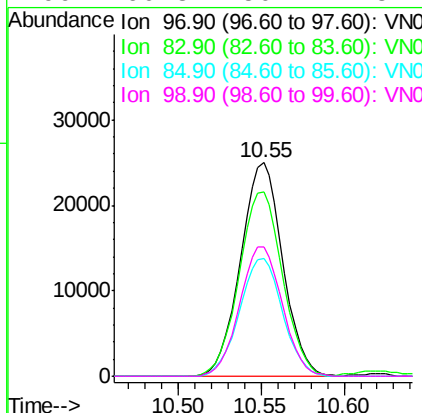
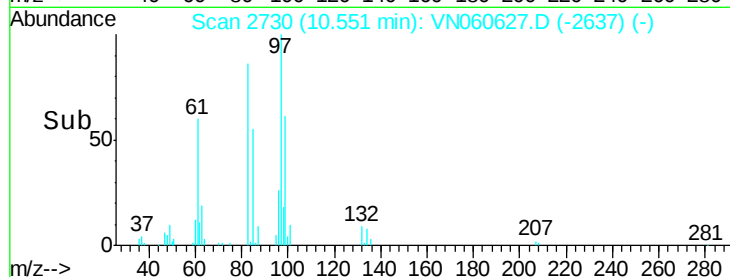
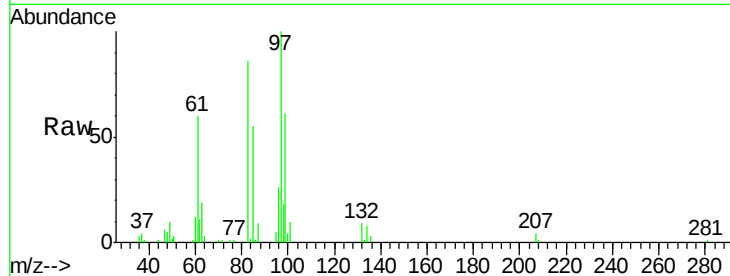
#55
 1,1,2-Trichloroethane
 Concen: 19.601 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.3	106.9
85	55.2	45.2	67.8
99	60.8	50.1	75.1

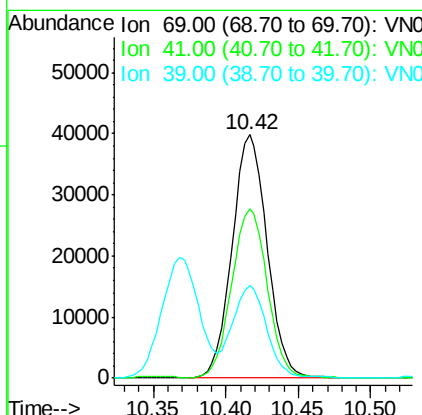
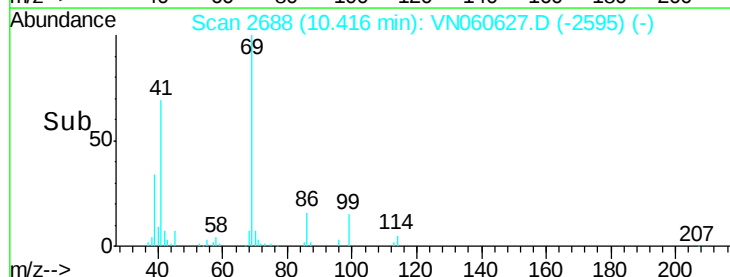
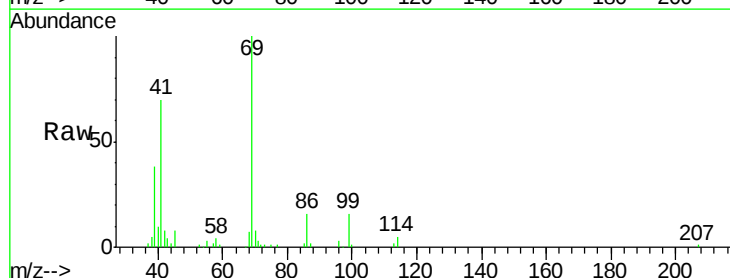
Manual Integrations
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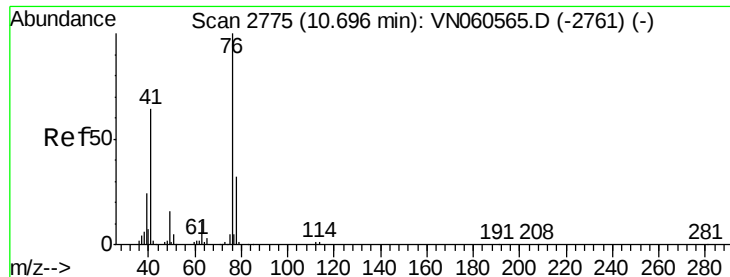
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#56
 Ethyl methacrylate
 Concen: 19.006 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.0	55.4	83.2
39	37.7	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.579 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 76 Resp: 76487

Ion Ratio Lower Upper

76 100

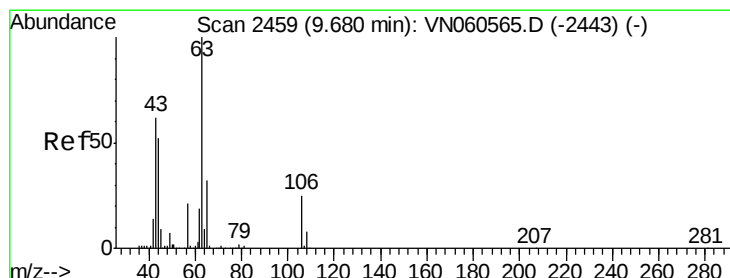
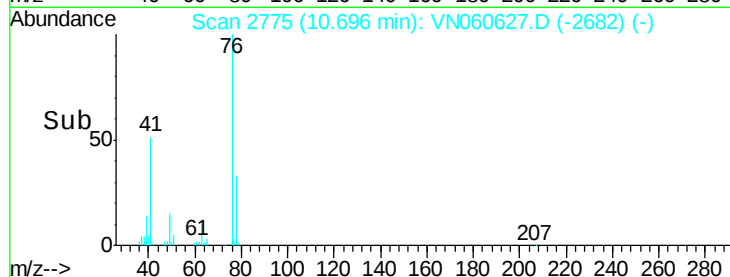
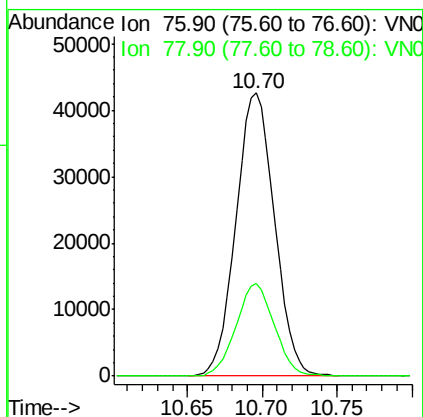
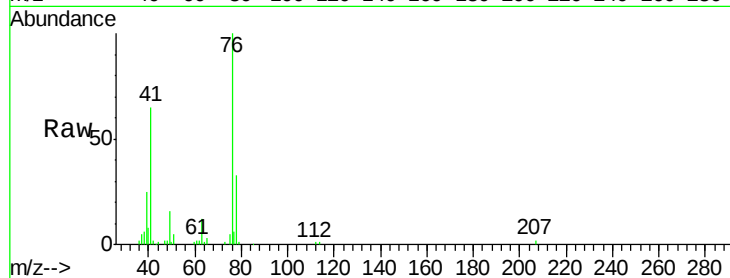
78 32.4 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.937 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060627.D

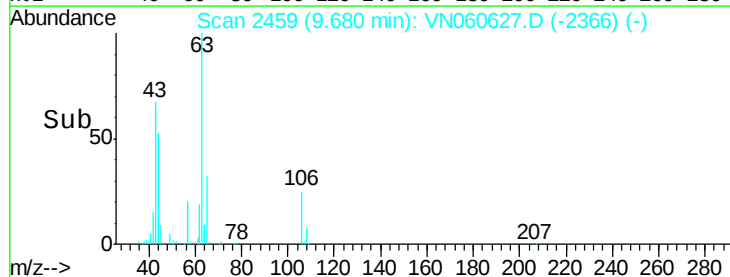
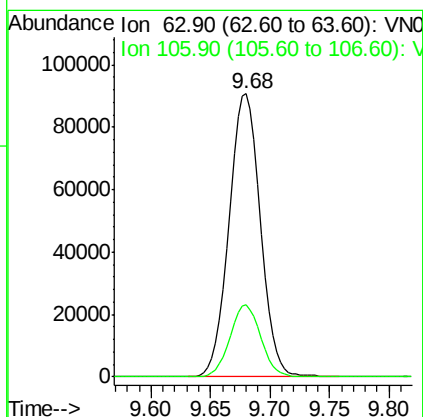
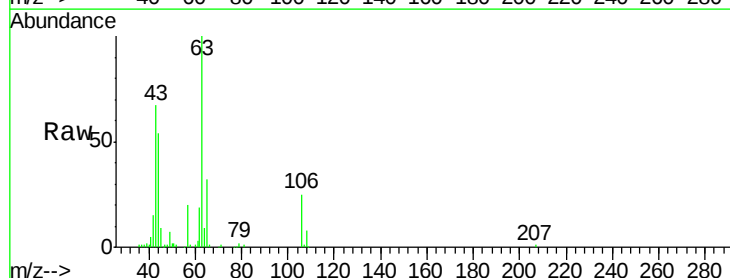
Acq: 19 Mar 2020 11:36

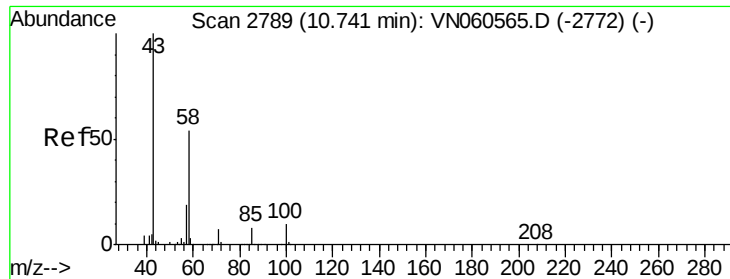
Tgt Ion: 63 Resp: 165624

Ion Ratio Lower Upper

63 100

106 24.9 20.0 30.0





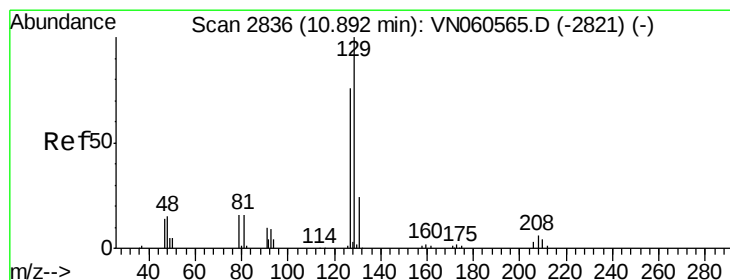
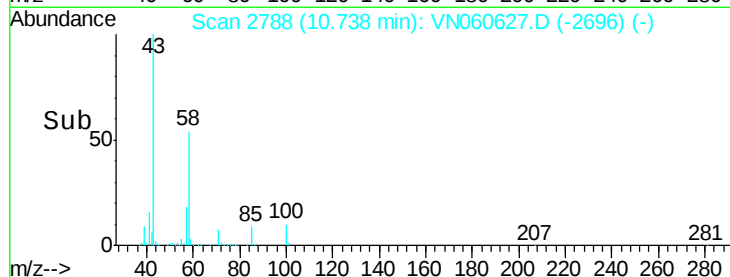
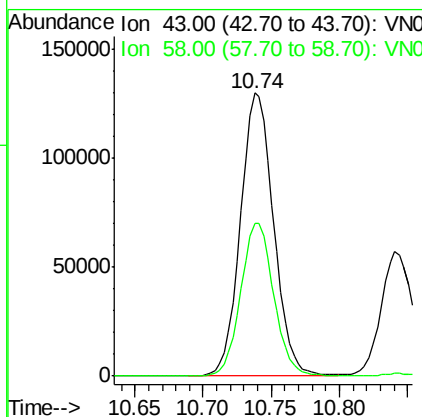
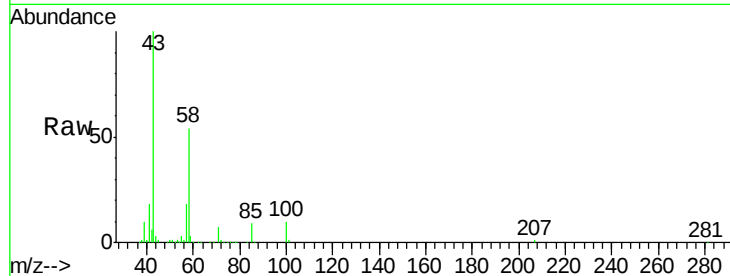
#59
2-Hexanone
Concen: 93.481 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion: 43 Resp: 219167
Ion Ratio Lower Upper
43 100
58 53.9 26.7 80.1

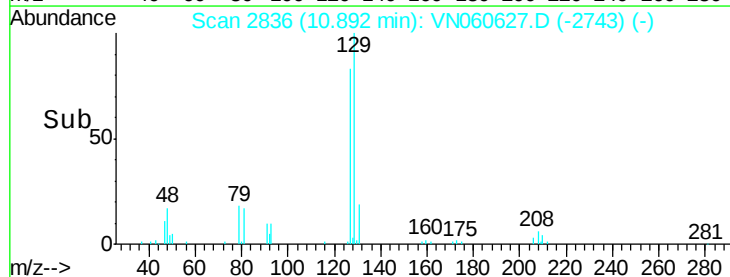
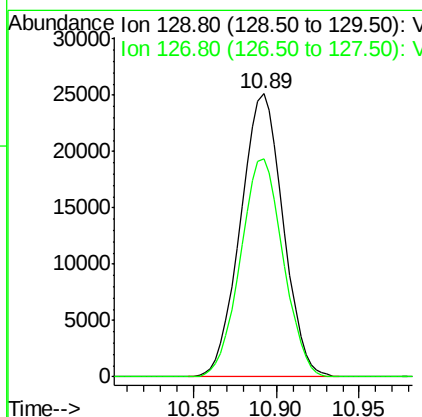
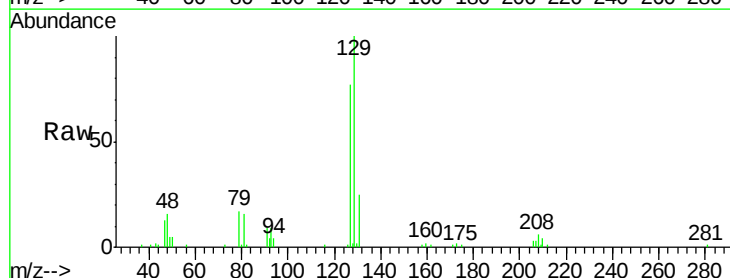
Manual Integrations
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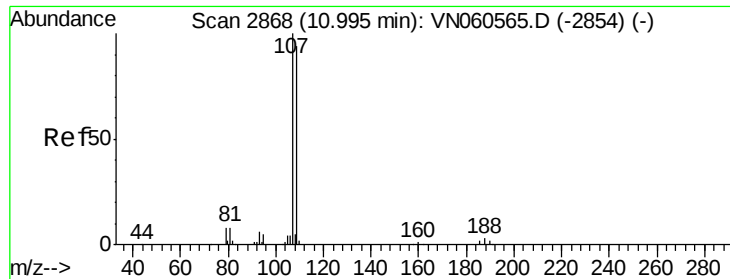
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#60
Dibromochloromethane
Concen: 19.341 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion: 129 Resp: 44974
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





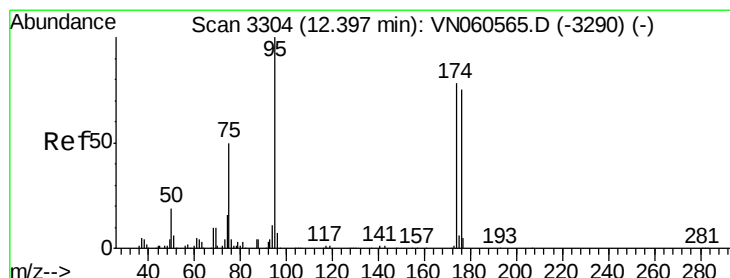
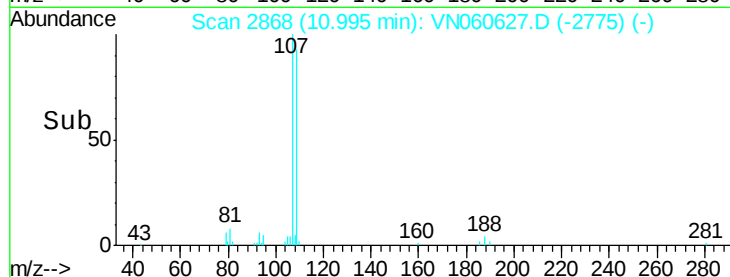
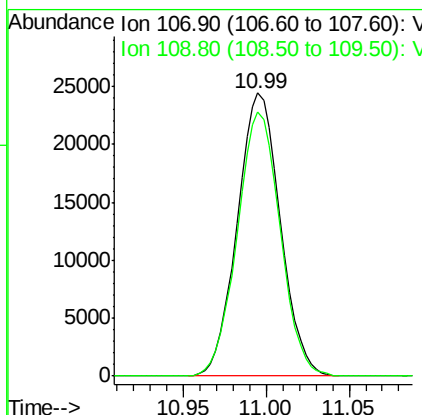
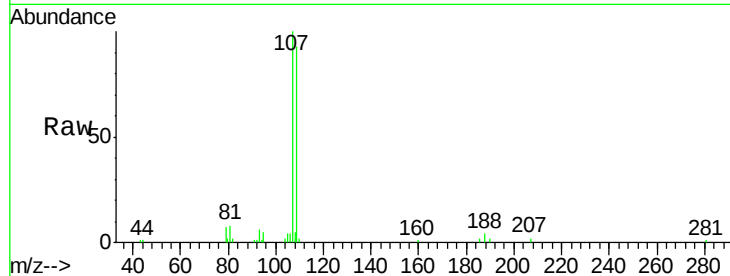
#61
 1,2-Dibromoethane
 Concen: 19.502 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.4	113.2

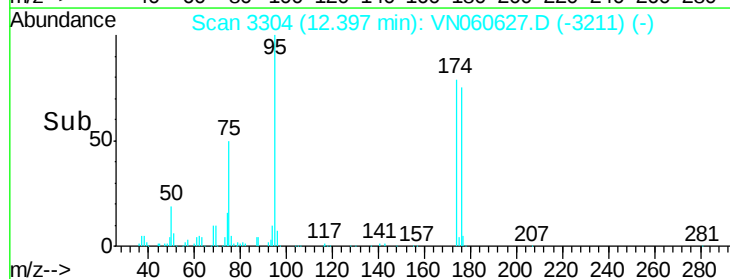
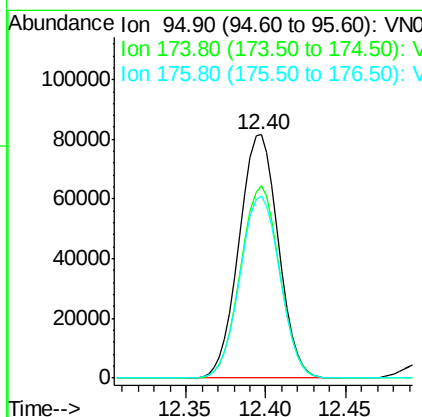
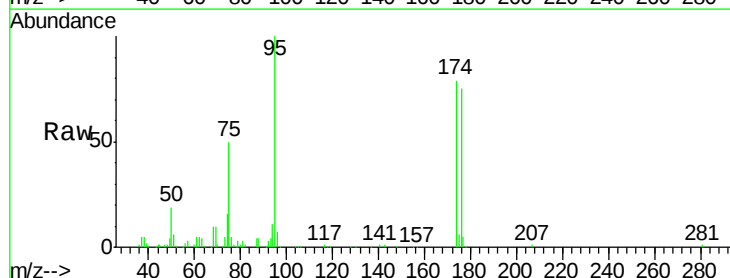
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#62
 4-Bromofluorobenzene
 Concen: 45.566 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	157.6
176	76.0	0.0	150.6





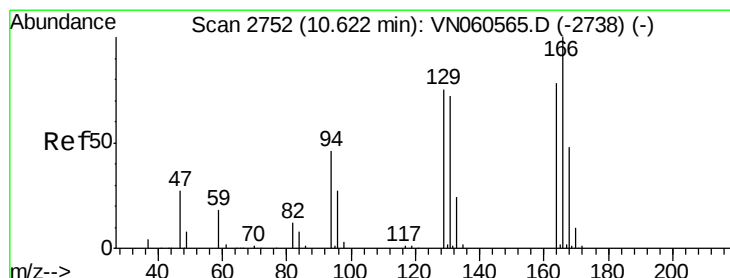
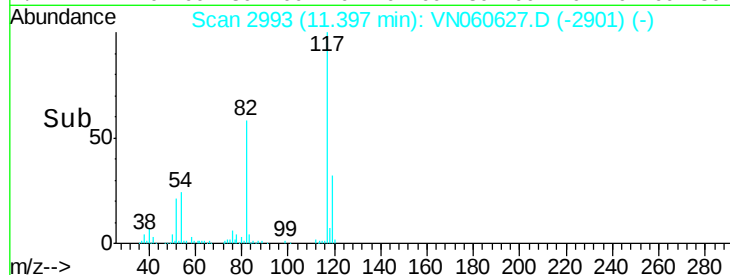
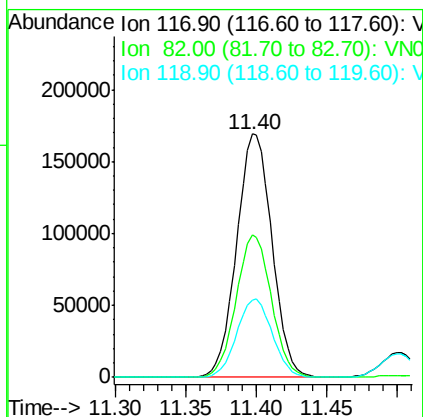
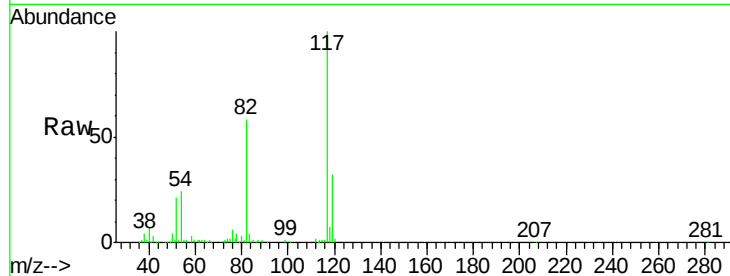
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.7	70.1
119	32.0	25.5	38.3

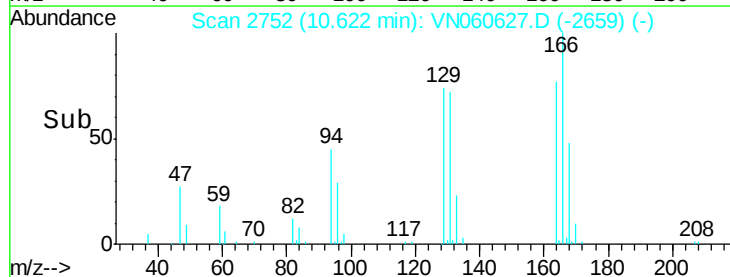
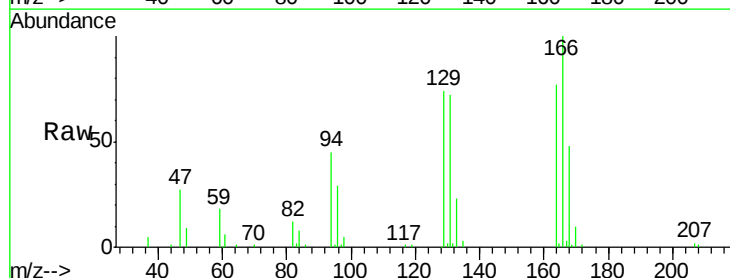
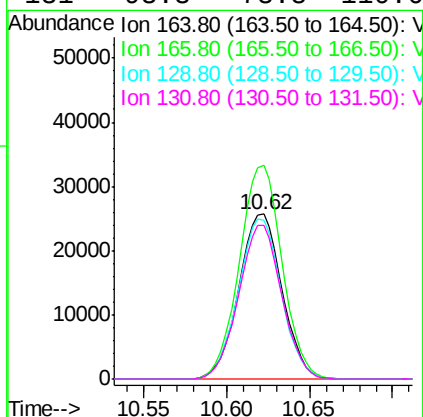
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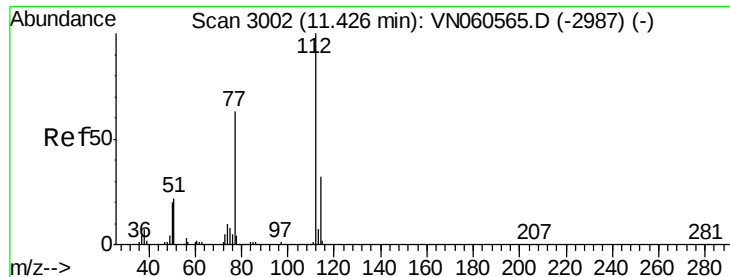
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#64
Tetrachloroethene
Concen: 19.826 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.7	154.1
129	96.3	77.2	115.8
131	93.3	73.8	110.6





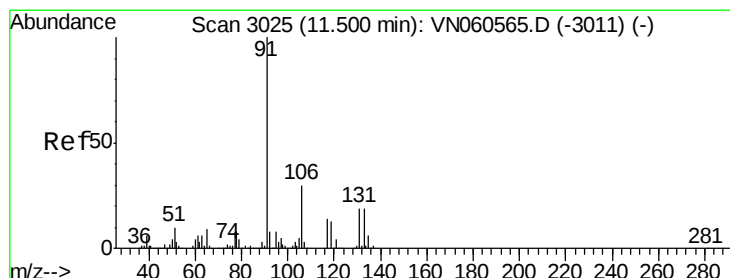
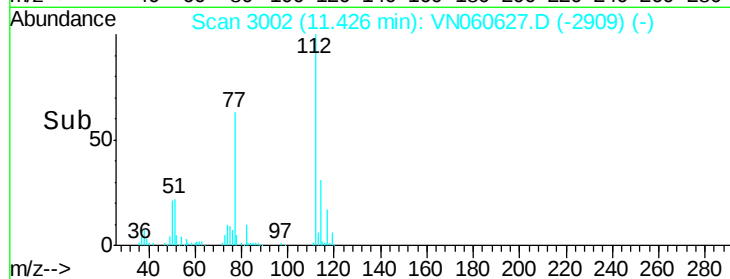
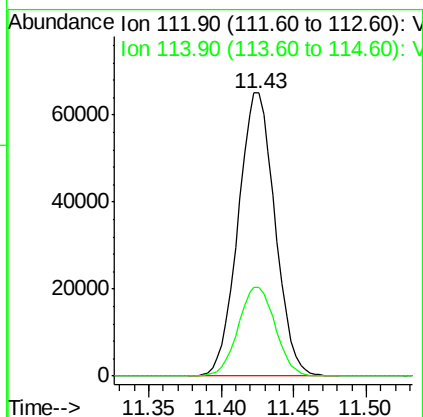
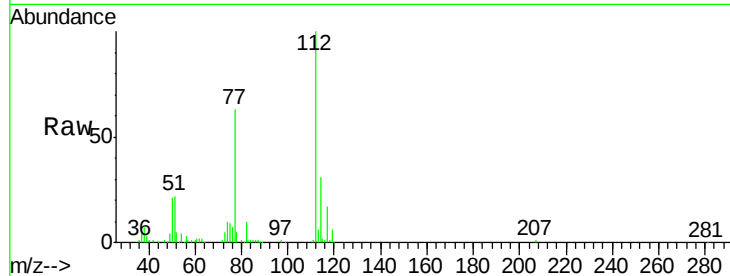
#65
Chlorobenzene
Concen: 19.457 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0319WBSD01

Tot Ion:112 Resp: 114939
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6

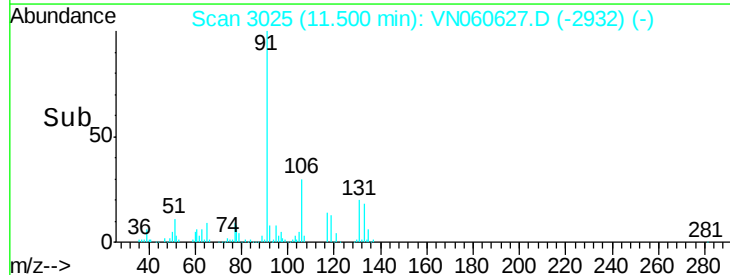
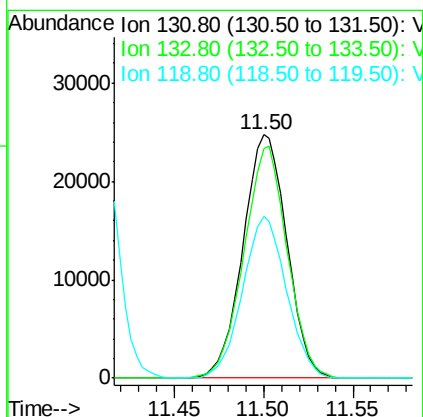
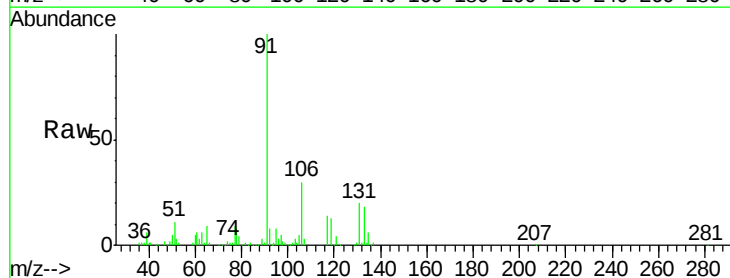
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.909 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion:131 Resp: 42584
Ion Ratio Lower Upper
131 100
133 94.3 48.9 146.8
119 66.3 33.9 101.7





#67

Ethyl Benzene

Concen: 19.545 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 91 Resp: 214717

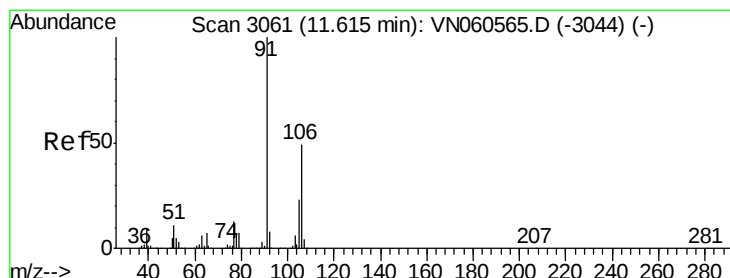
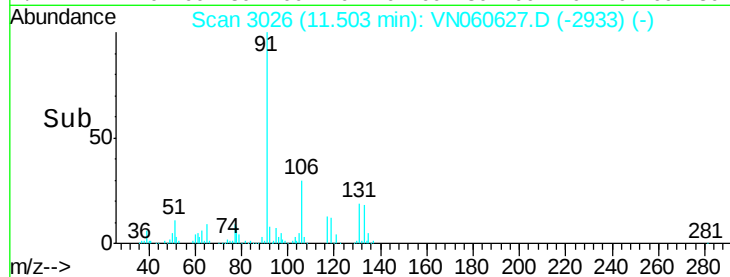
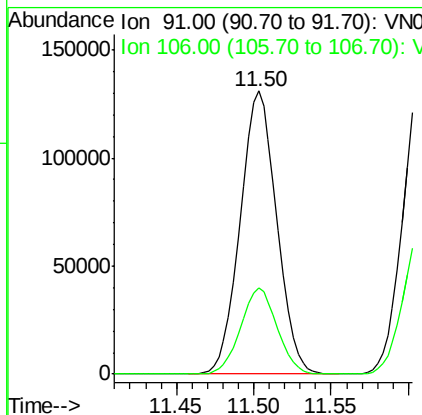
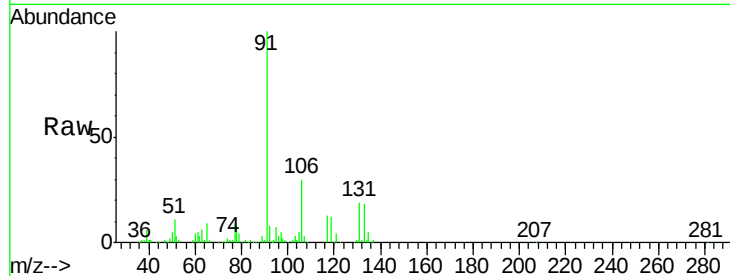
Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2

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3/20/2020 12:05:35 PM



#68

m/p-Xylenes

Concen: 39.040 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060627.D

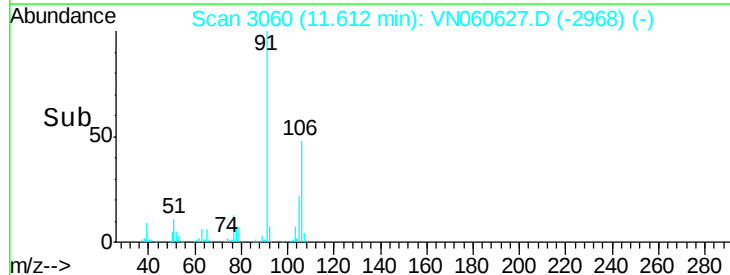
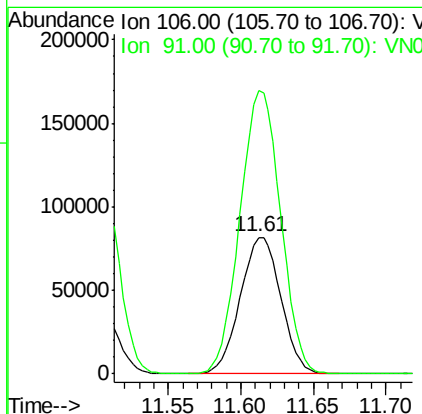
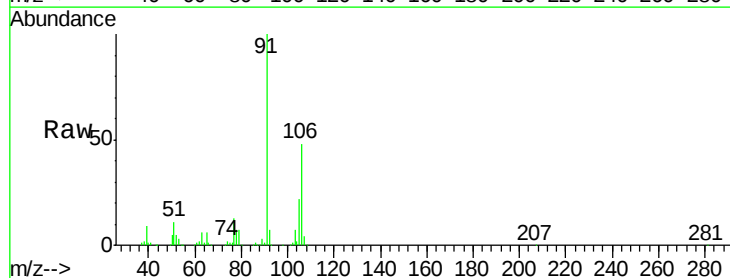
Acq: 19 Mar 2020 11:36

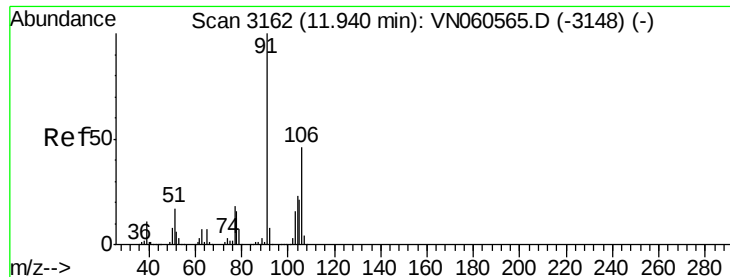
Tgt Ion: 106 Resp: 159374

Ion Ratio Lower Upper

106 100

91 207.8 165.0 247.4





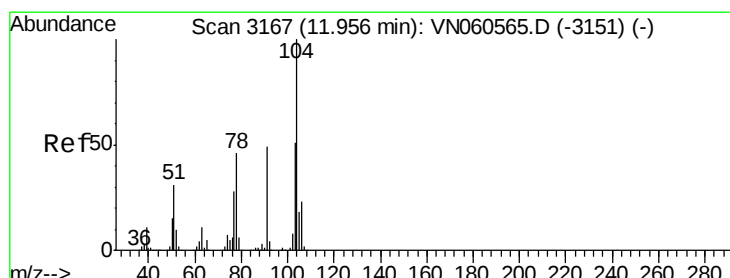
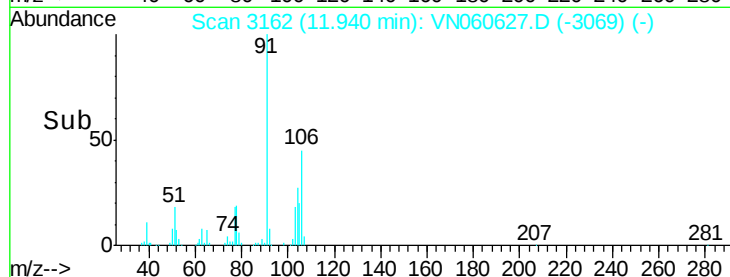
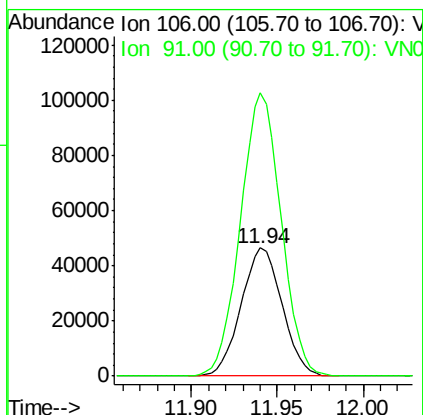
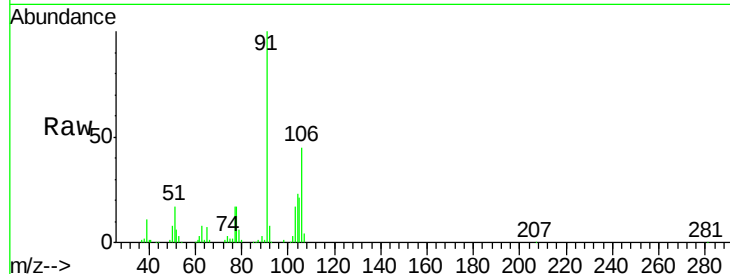
#69
o-Xylene
Concen: 19.796 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion:106 Resp: 77148
Ion Ratio Lower Upper
106 100
91 218.1 109.5 328.4

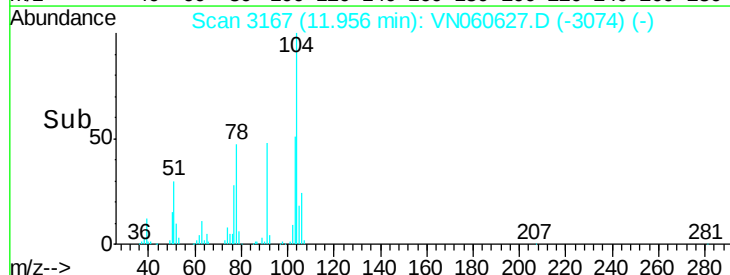
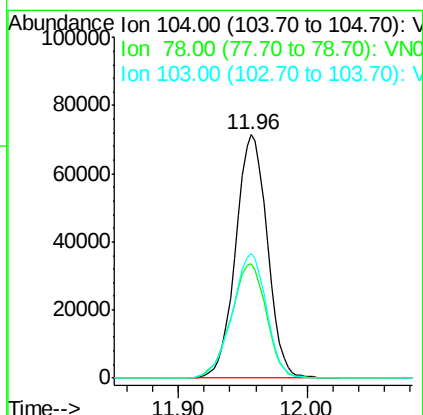
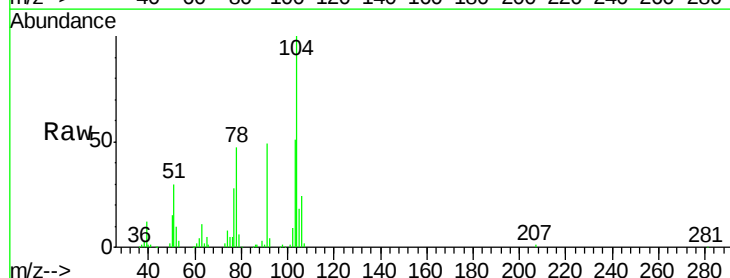
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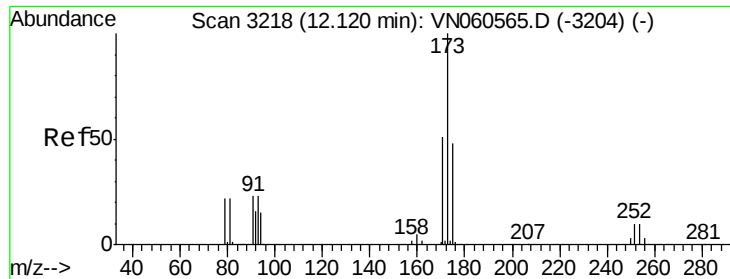
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#70
Styrene
Concen: 19.177 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion:104 Resp: 122229
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 54.9 44.0 66.0





#71

Bromoform

Concen: 18.335 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

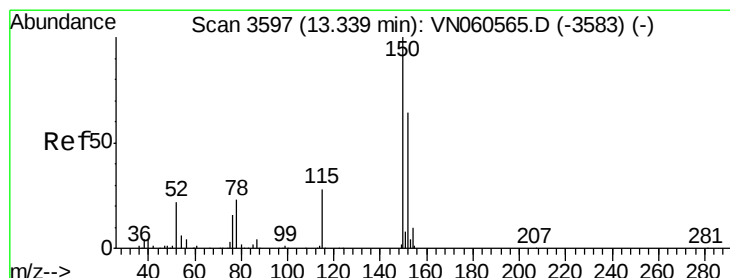
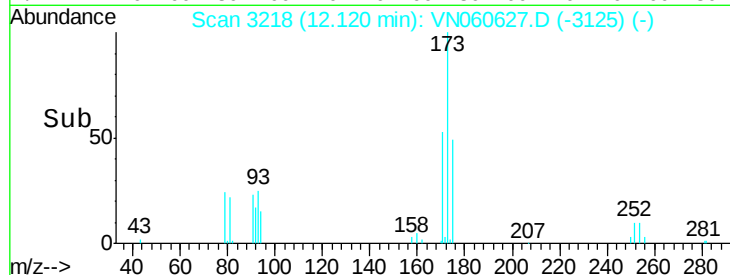
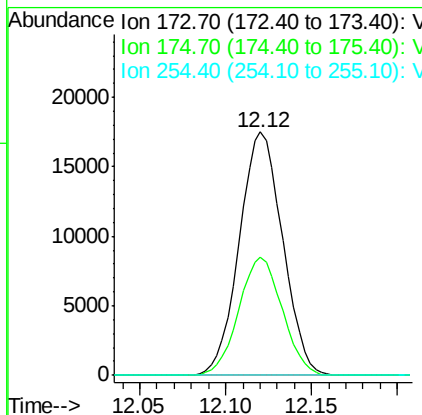
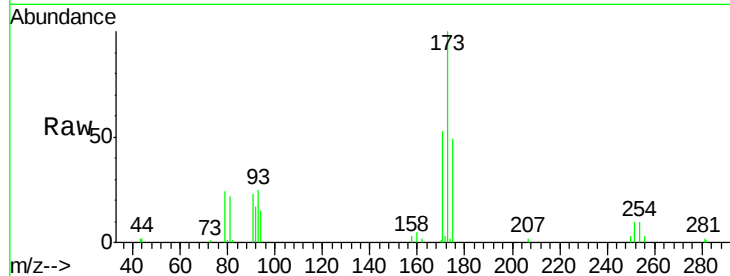
ClientSampleId :

VN0319WBSD01

Tot Ion:	173	Resp:	30637
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.1	72.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

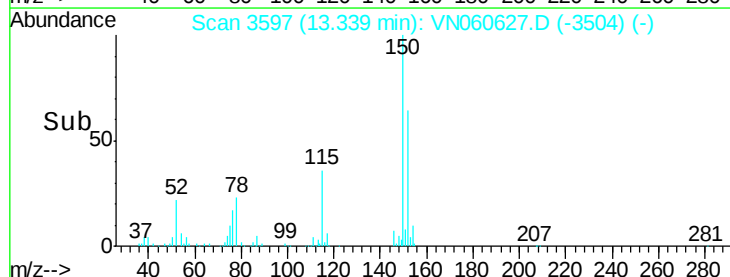
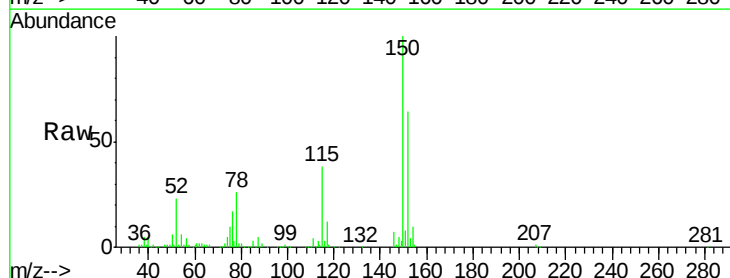
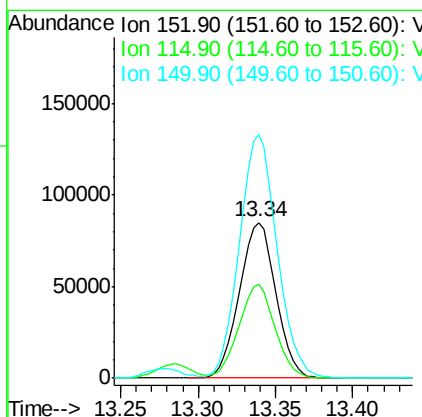
RT: 13.34 min Scan# 3597

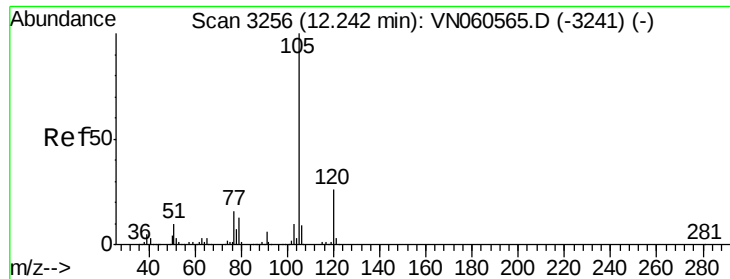
Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion:	152	Resp:	139395
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.2	90.6
150	161.9	0.0	350.2





#73

Isopropylbenzene

Concen: 19.360 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 105 Resp: 202521

Ion Ratio Lower Upper

105 100

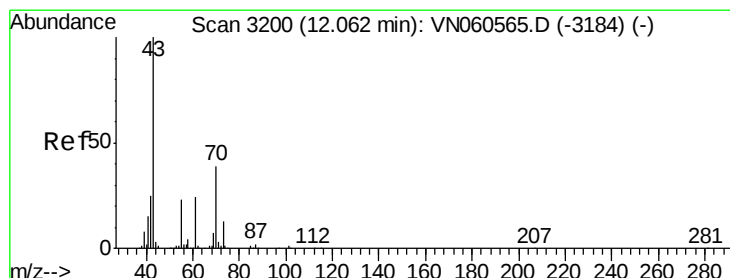
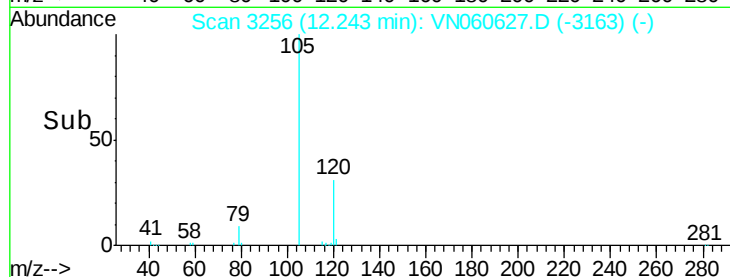
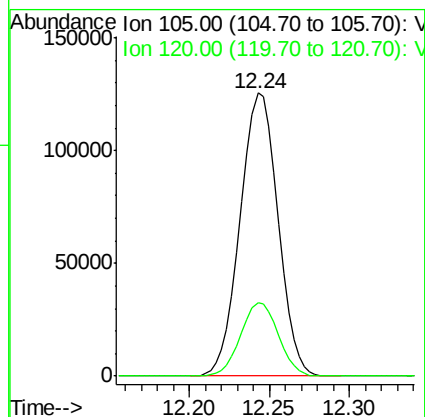
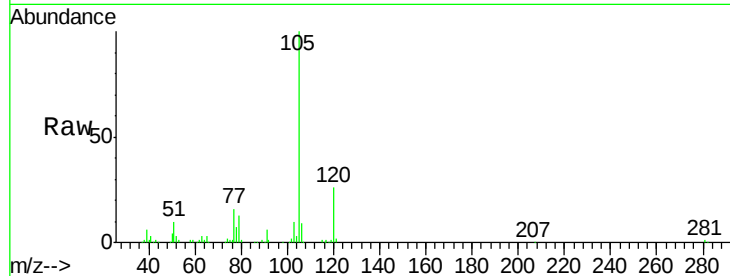
120 25.8 13.1 39.1

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3/20/2020 12:05:35 PM



#74

N-ethyl acetate

Concen: 18.788 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion: 43 Resp: 90819

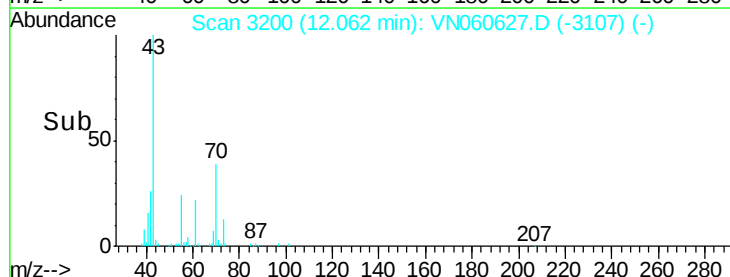
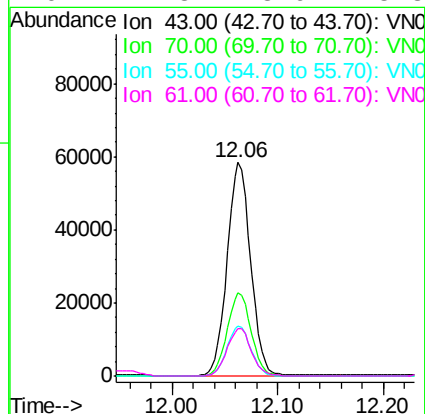
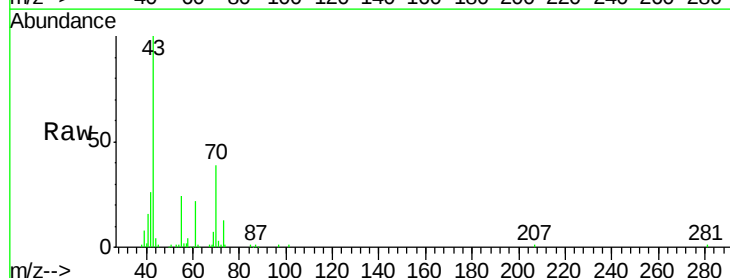
Ion Ratio Lower Upper

43 100

70 39.2 31.1 46.7

55 23.6 18.6 27.8

61 22.8 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.828 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

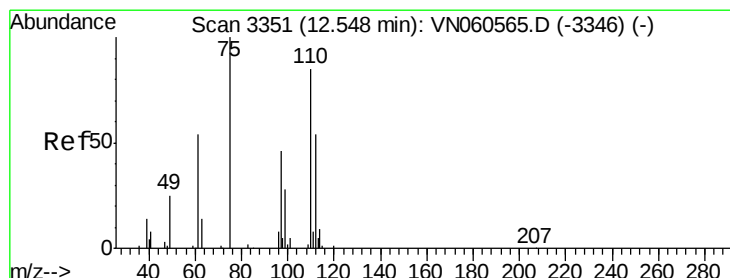
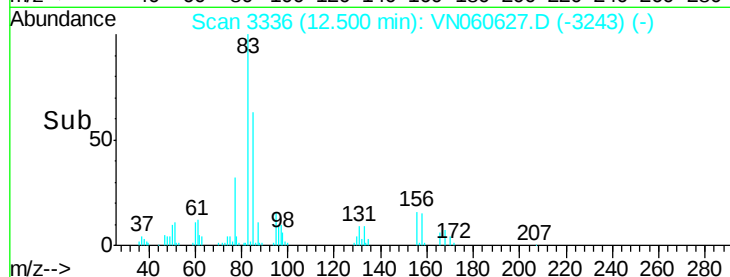
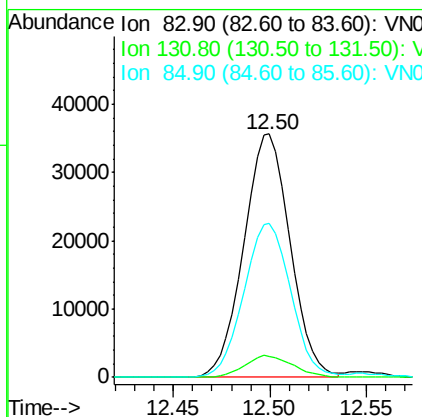
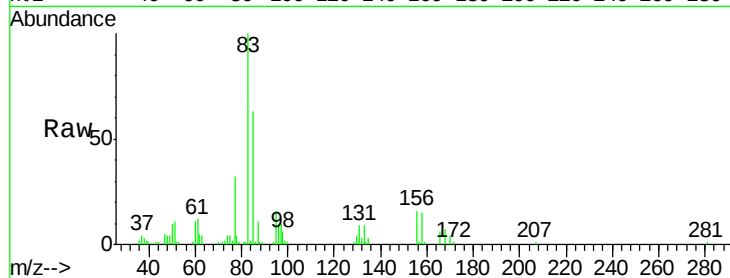
ClientSampleId :

VN0319WBSD01

Tot Ion:	83	Resp:	59562
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	64.0	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 18.275 ug/l m

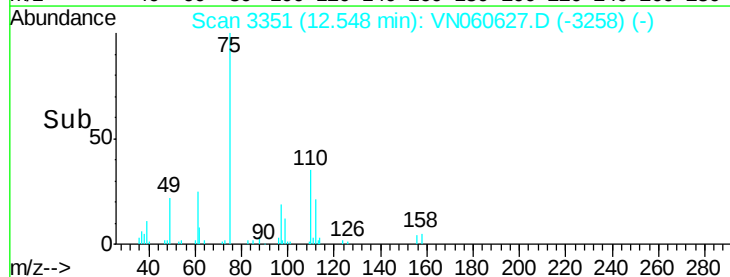
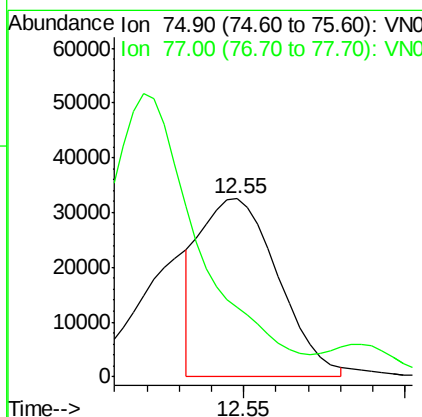
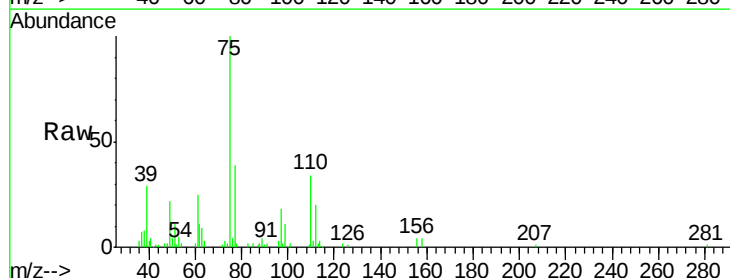
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion:	75	Resp:	54970
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





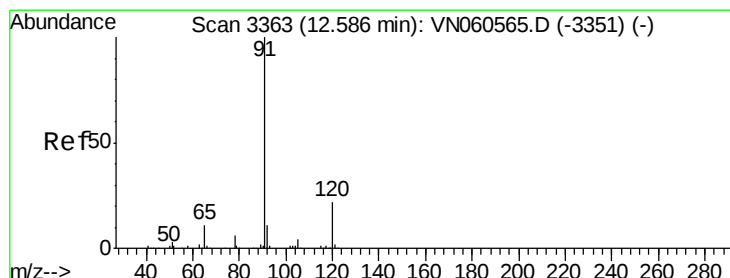
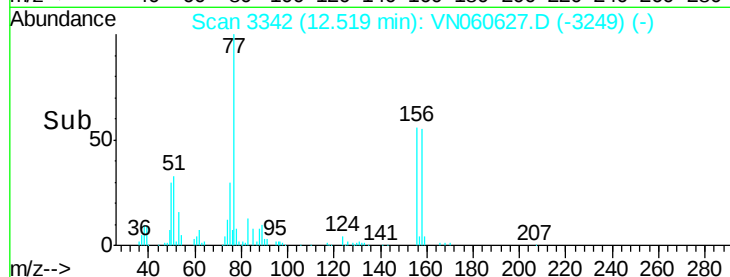
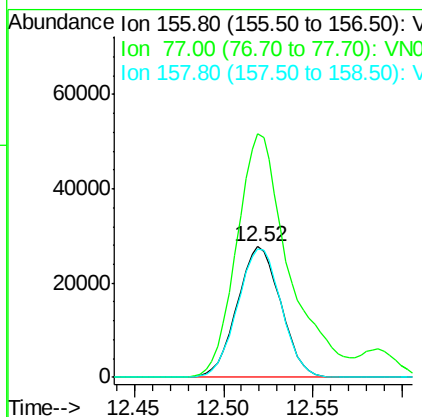
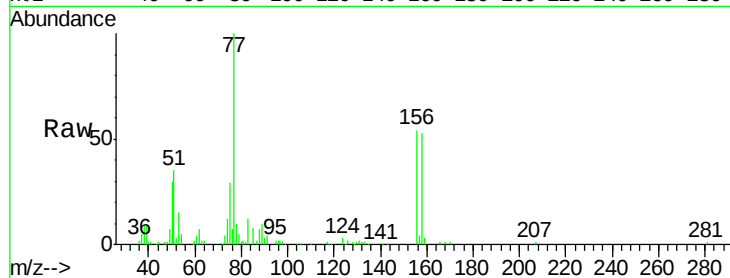
#77
Bromobenzene
Concen: 18.779 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	223.4	112.3	337.0	
158	99.4	48.6	145.8	

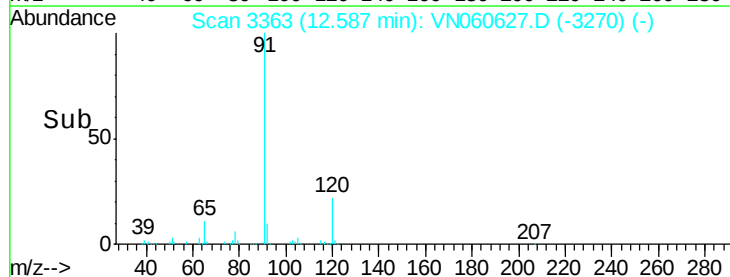
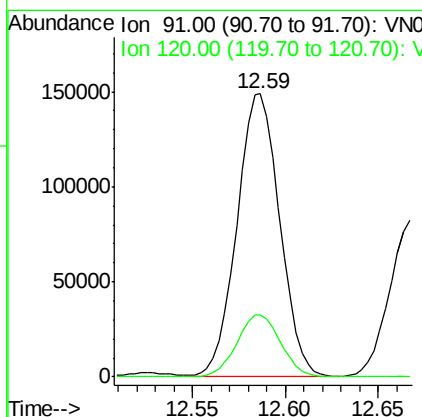
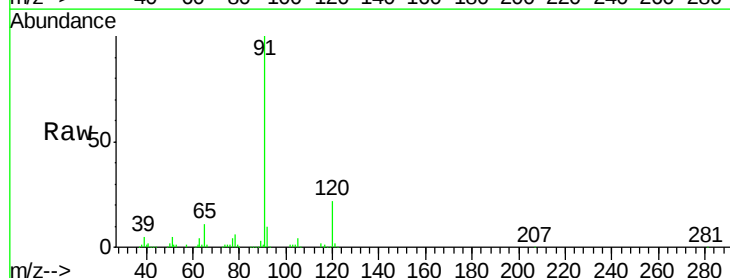
Manual Integrations
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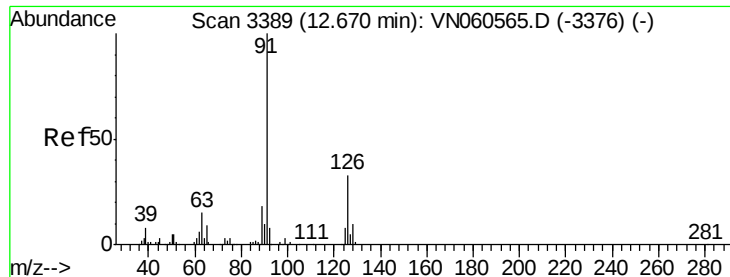
MMDadoda
3/20/2020 12:05:35 PM



#78
n-propylbenzene
Concen: 19.126 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	11.3	33.8	





#79

2-Chlorotoluene

Concen: 19.034 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 91 Resp: 140554

Ion Ratio Lower Upper

91 100

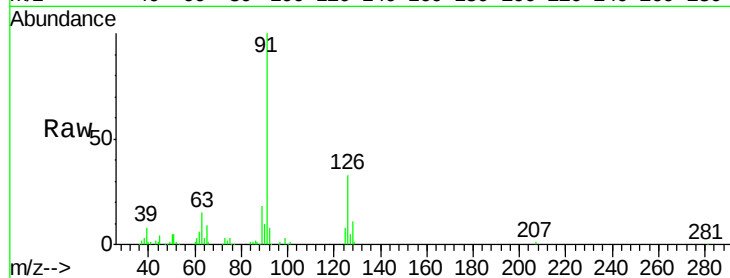
126 32.8 16.4 49.1

Manual Integrations

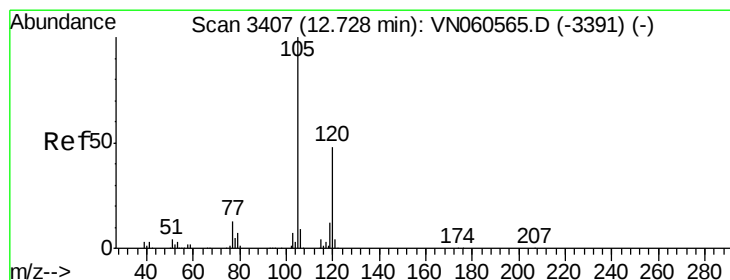
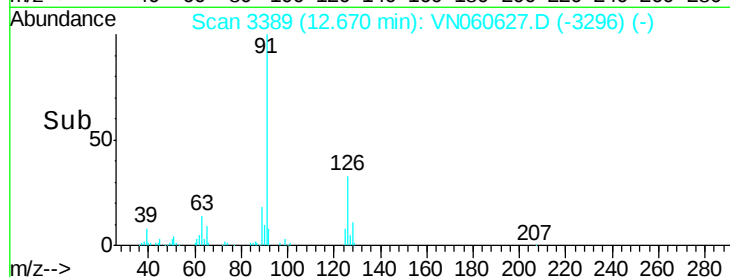
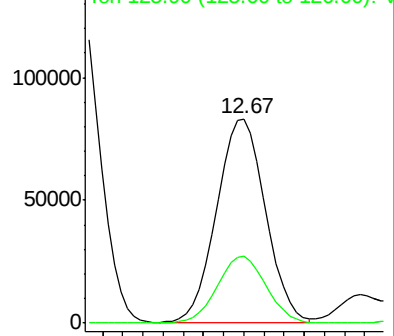
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Abundance Ion 91.00 (90.70 to 91.70): VN060627.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.023 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060627.D

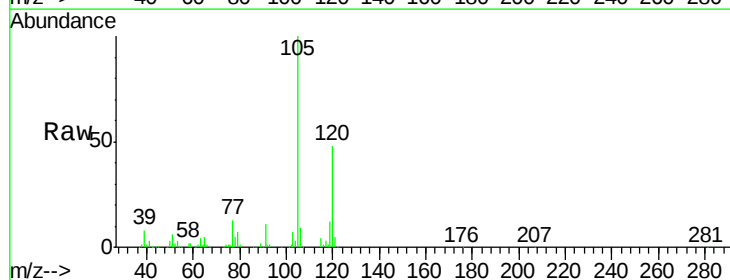
Acq: 19 Mar 2020 11:36

Tgt Ion: 105 Resp: 168877

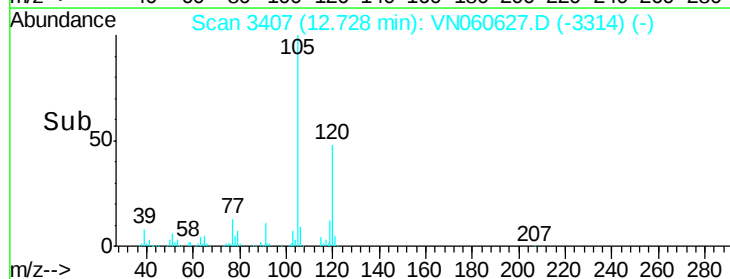
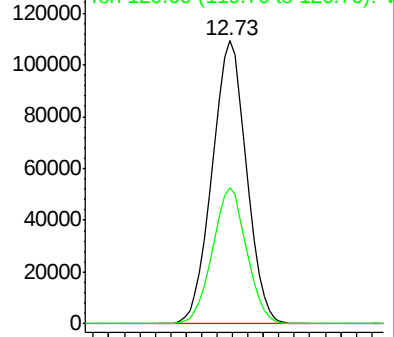
Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060627.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.829 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

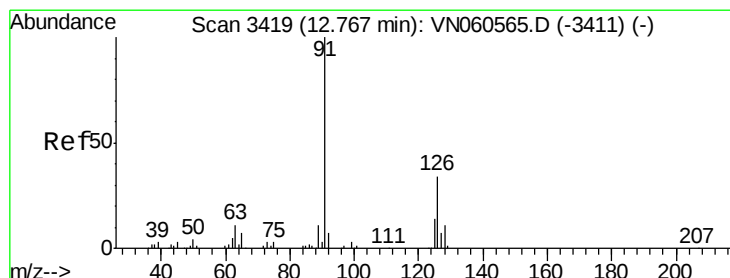
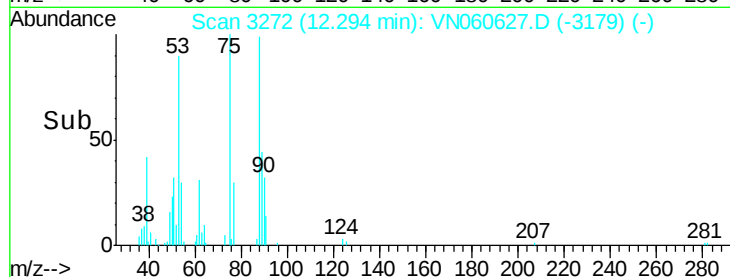
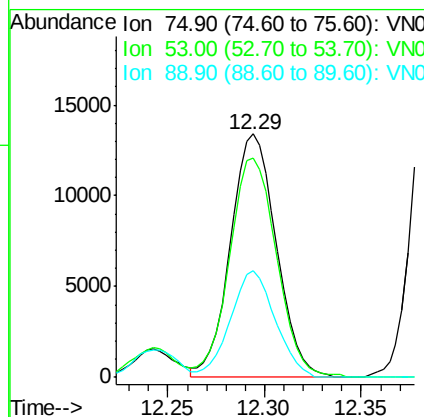
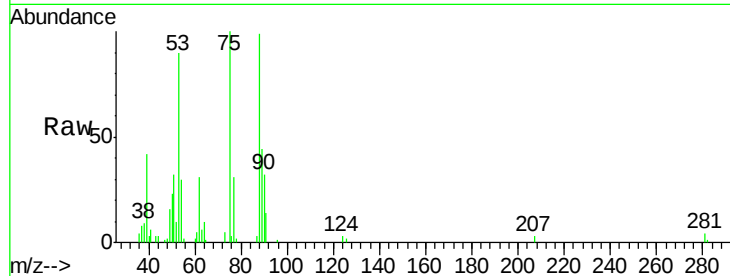
ClientSampleId :

VN0319WBSD01

Tot Ion:	75	Resp:	22052
Ion	Ratio	Lower	Upper
75	100		
53	92.9	73.0	109.4
89	42.8	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.017 ug/l

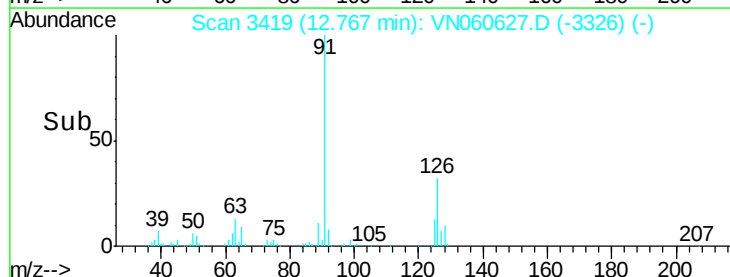
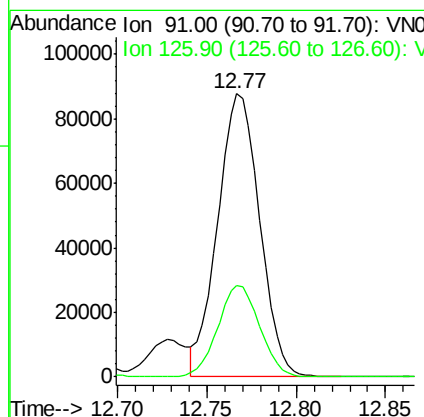
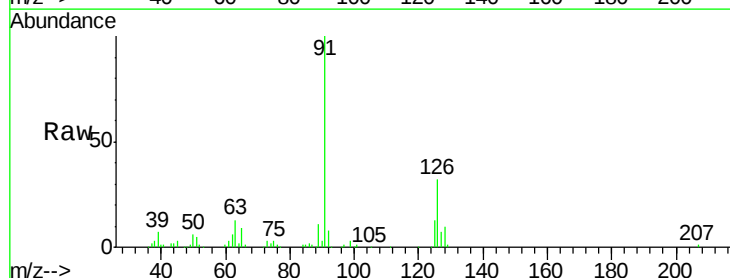
RT: 12.77 min Scan# 3419

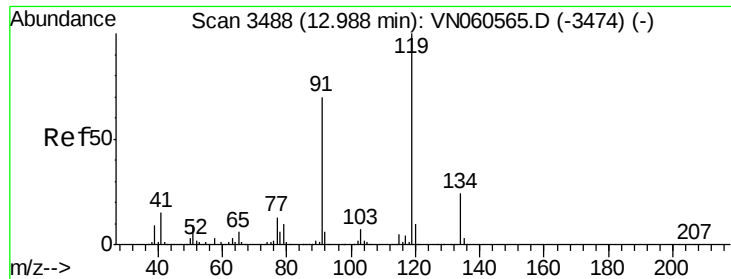
Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion:	91	Resp:	143025
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





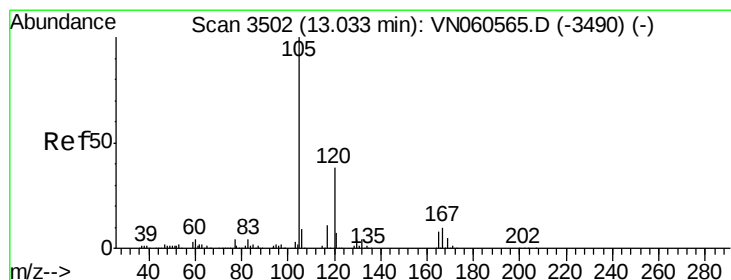
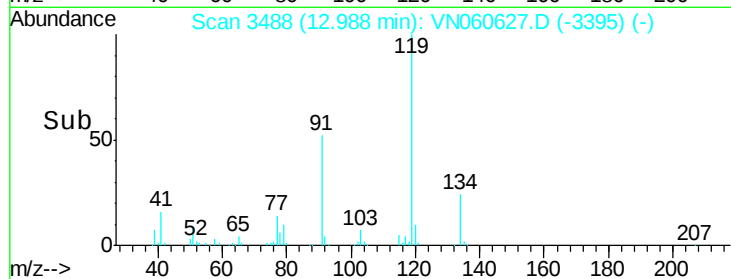
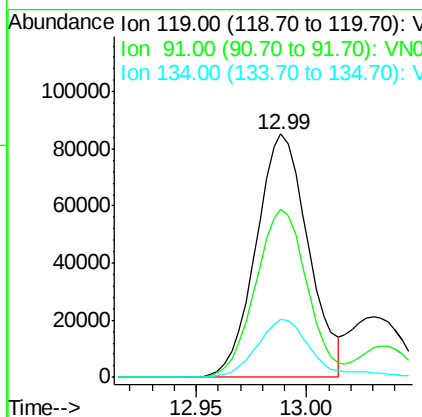
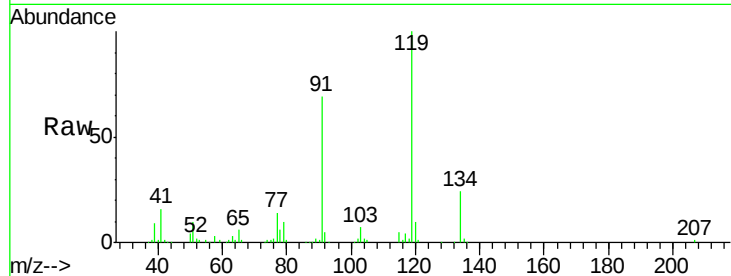
#83
tert-Butylbenzene
Concen: 19.003 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.0	101.8
134	25.1	12.7	38.0

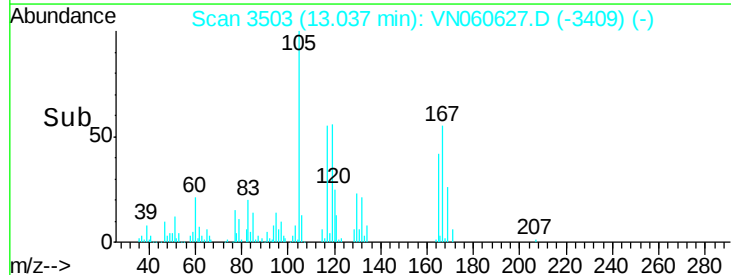
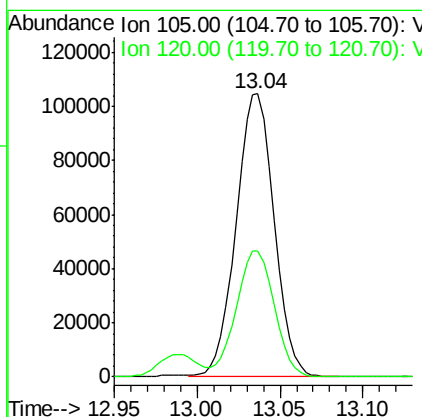
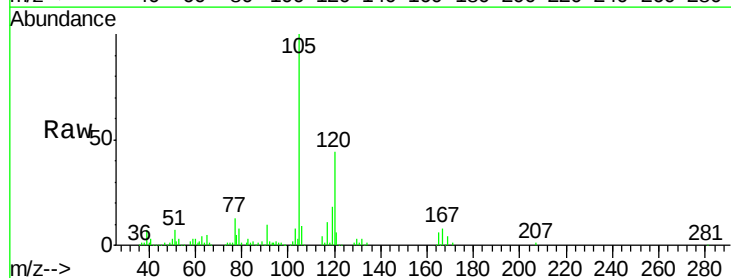
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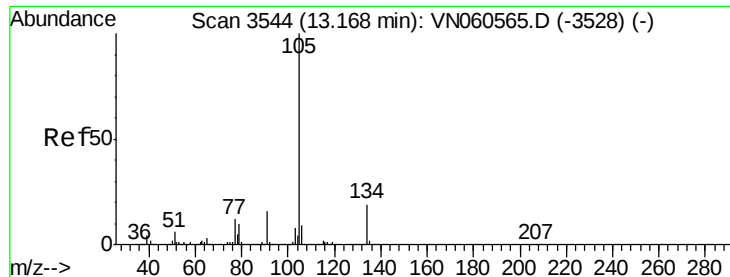
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.004 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





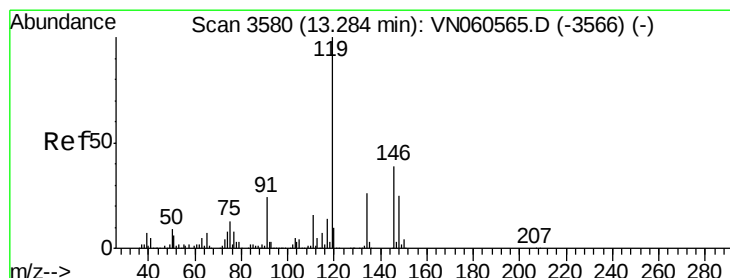
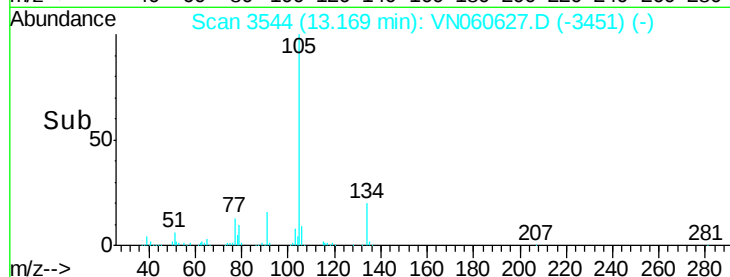
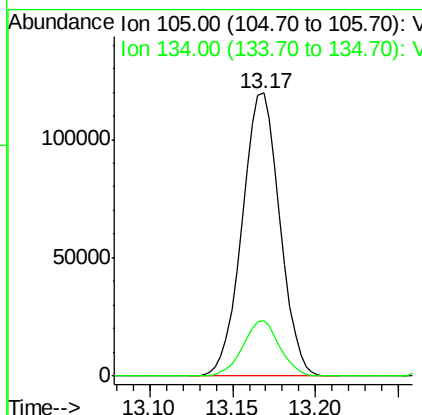
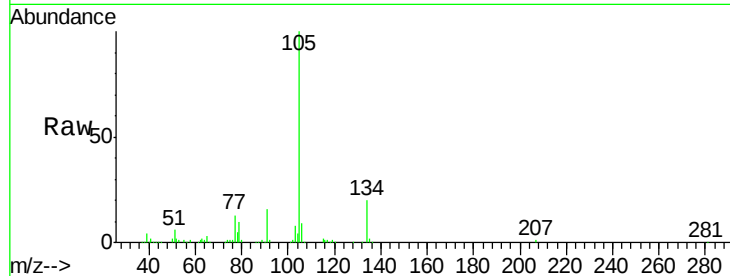
#85
 sec-Butylbenzene
 Concen: 19.060 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	188618		
134	19.1	9.6	28.8	

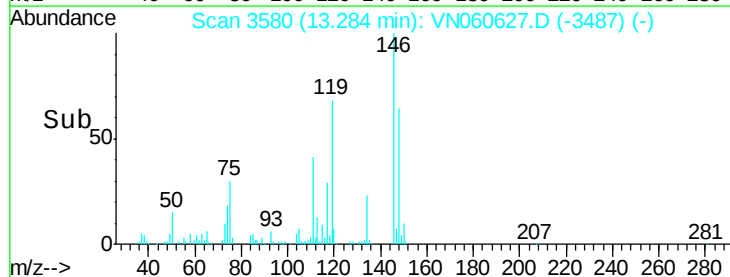
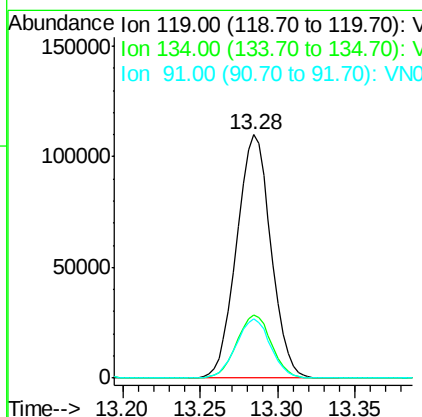
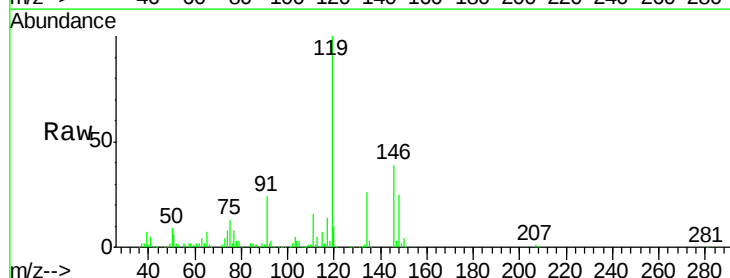
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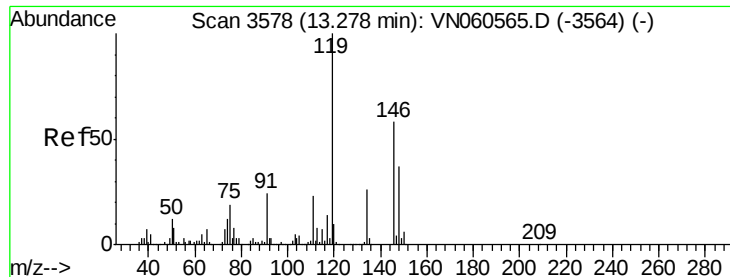
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 3/20/2020 12:05:35 PM



#86
 p-Isopropyltoluene
 Concen: 19.026 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	169308		
134	26.2	13.0	39.0	
91	24.3	12.0	36.0	





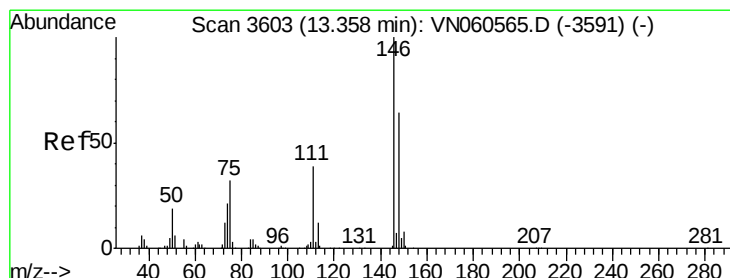
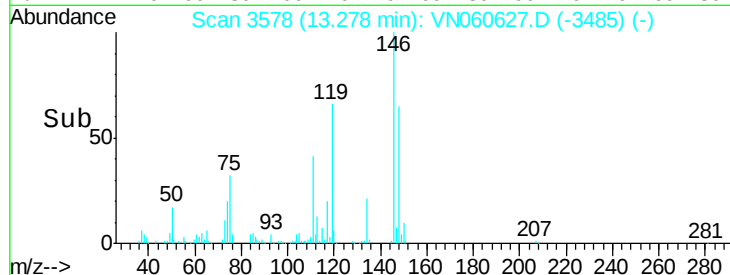
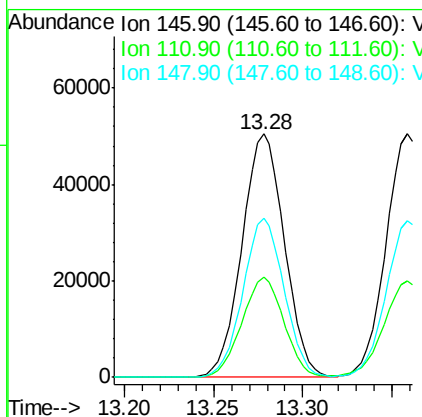
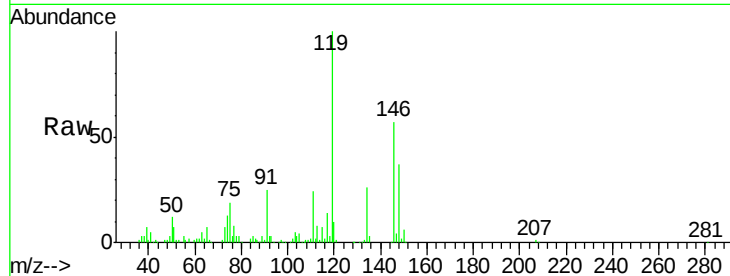
#87
 1,3-Dichlorobenzene
 Concen: 18.934 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.3	32.5	97.4

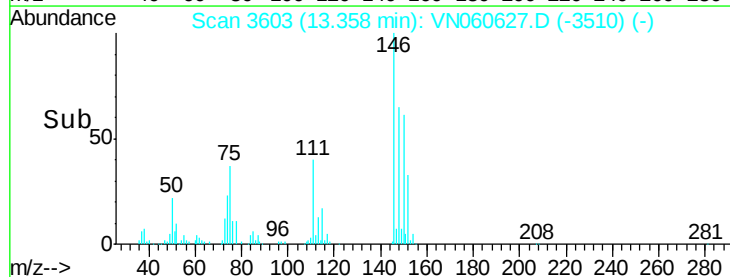
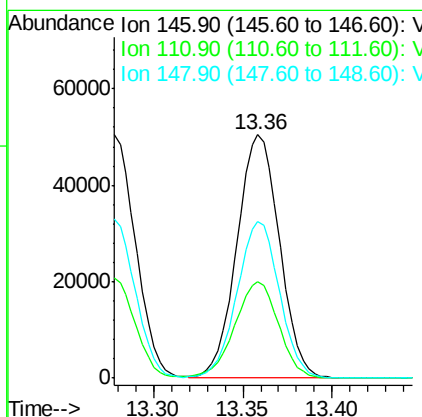
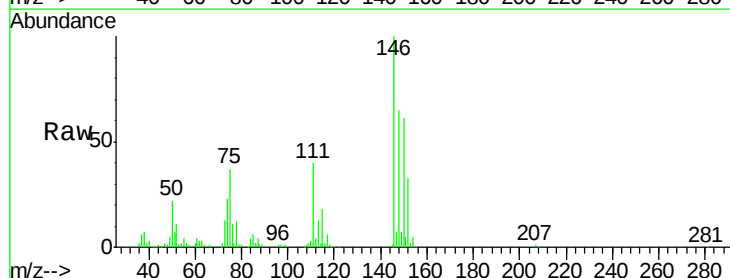
Manual Integrations
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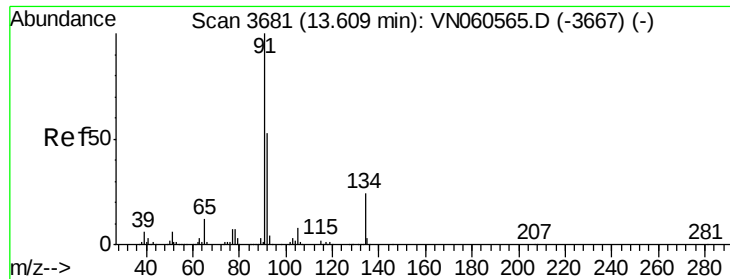
MMDadoda
 3/20/2020 12:05:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.861 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.7
148	64.1	32.1	96.3





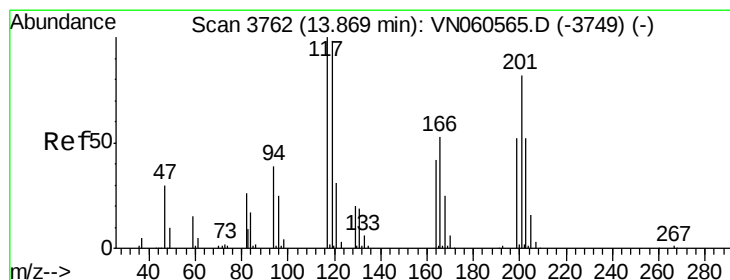
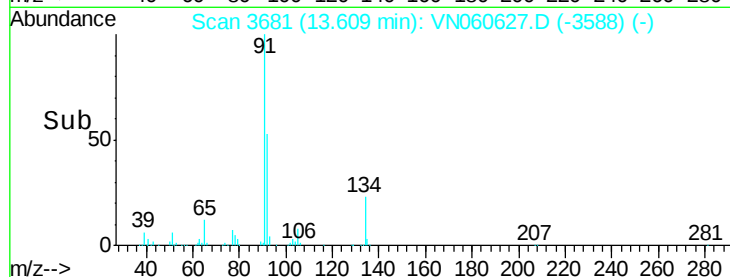
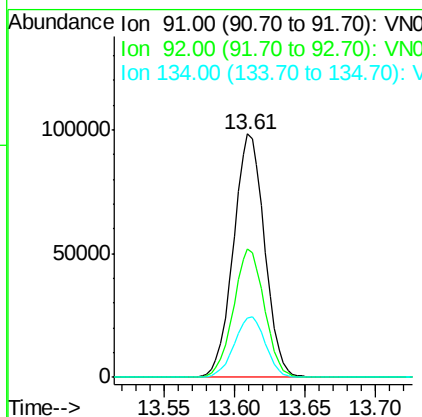
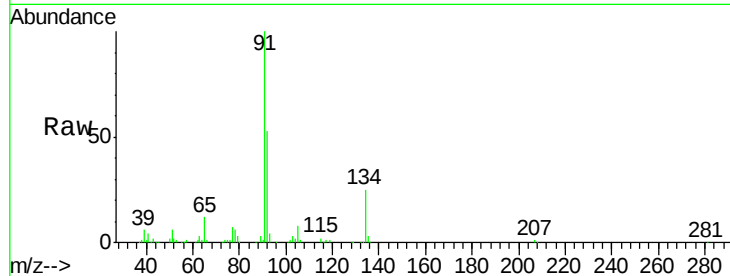
#89
n-Butylbenzene
Concen: 18.920 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	24.9	12.3	36.9

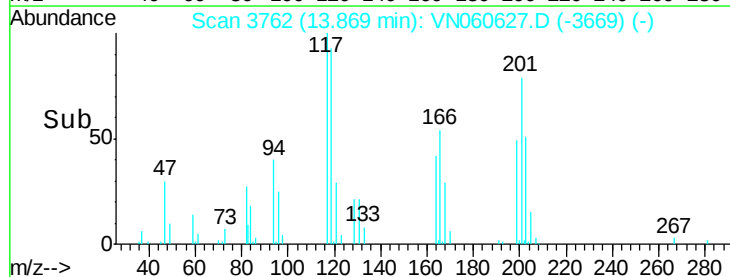
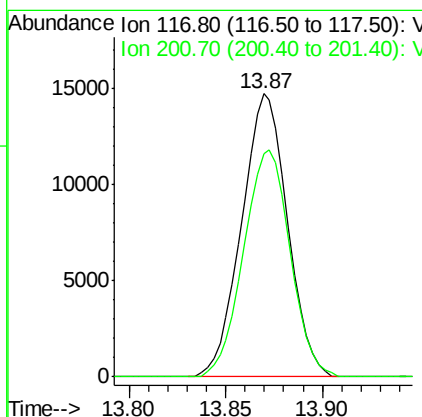
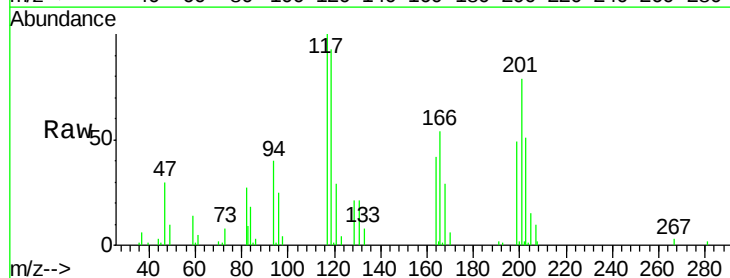
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#90
Hexachloroethane
Concen: 18.781 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 19.350 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Instrument :

MSVOA_N

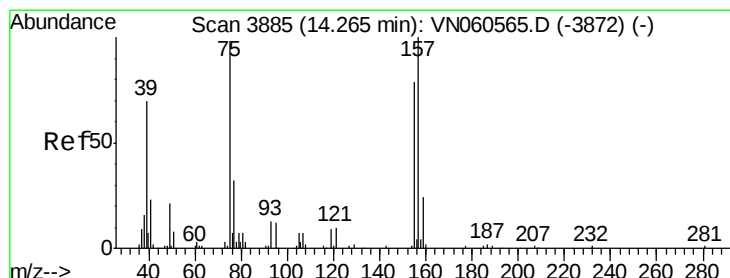
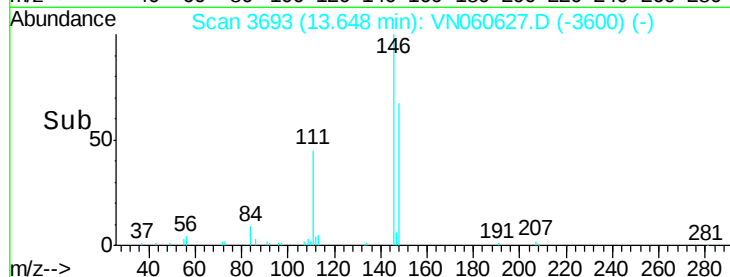
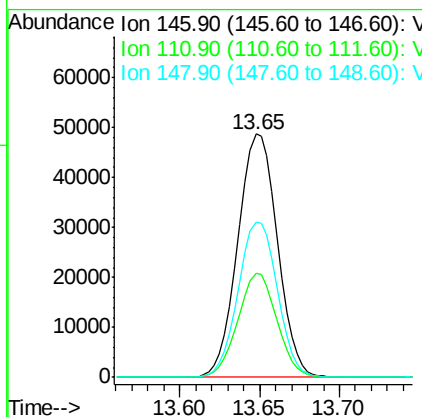
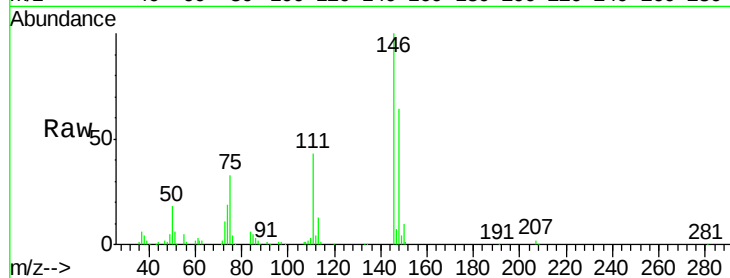
ClientSampleId :

VN0319WBSD01

Tot Ion:	146	Resp:	82259
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.0	63.0
148	63.3	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.738 ug/l

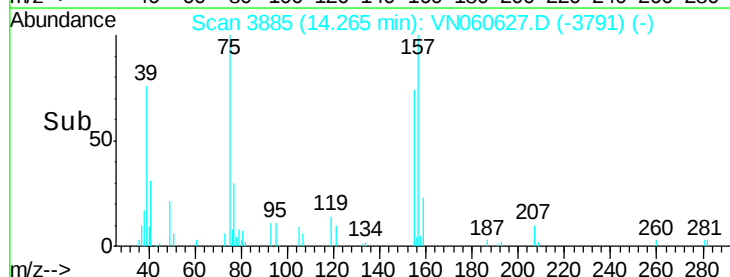
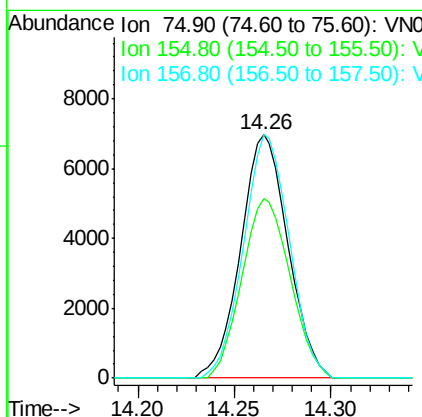
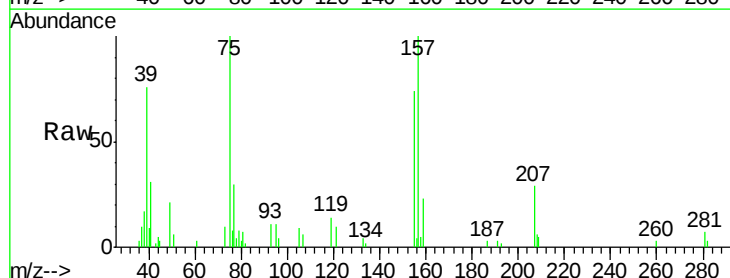
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060627.D

Acq: 19 Mar 2020 11:36

Tgt Ion:	75	Resp:	11868
Ion Ratio	Lower	Upper	
75	100		
155	75.2	40.7	122.1
157	97.2	51.5	154.7





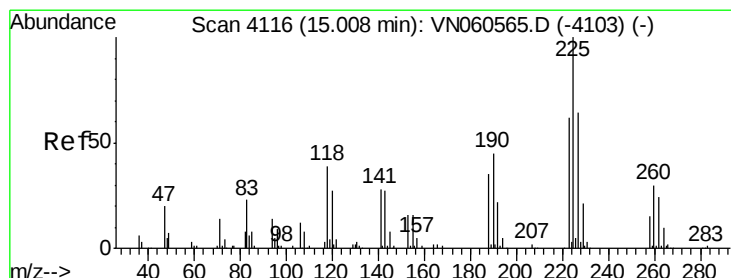
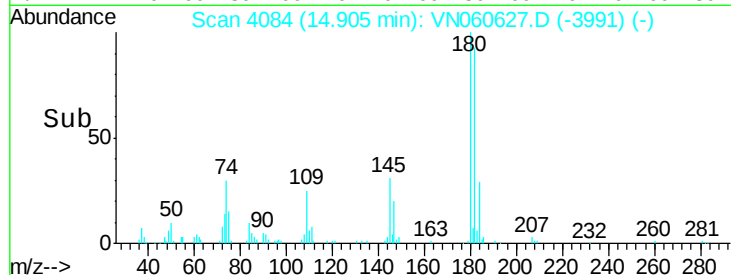
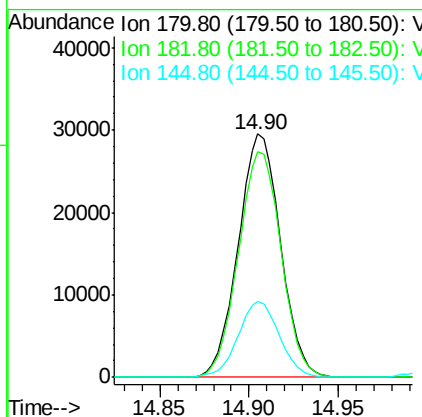
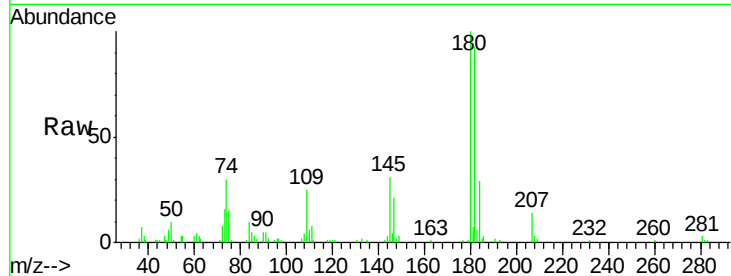
#93
 1,2,4-Trichlorobenzene
 Concen: 18.703 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.8
145	30.3	15.4	46.2

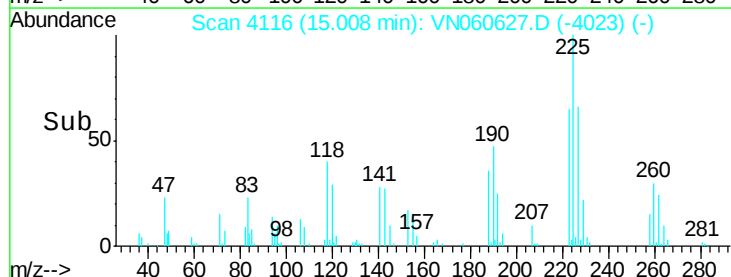
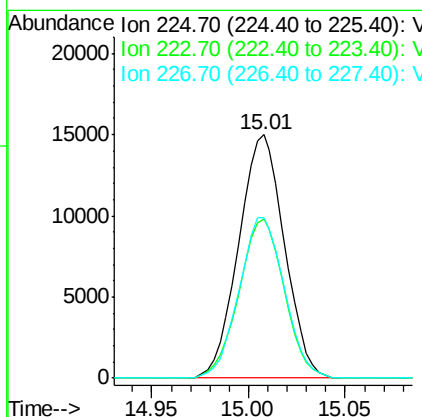
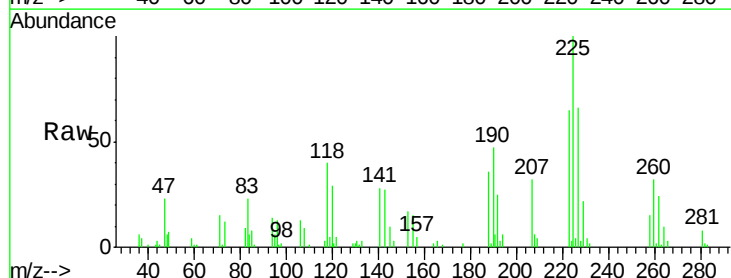
Manual Integrations
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 3/20/2020 12:05:35 PM



#94
 Hexachlorobutadiene
 Concen: 19.253 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060627.D
 Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	95.0
227	65.3	32.3	96.8





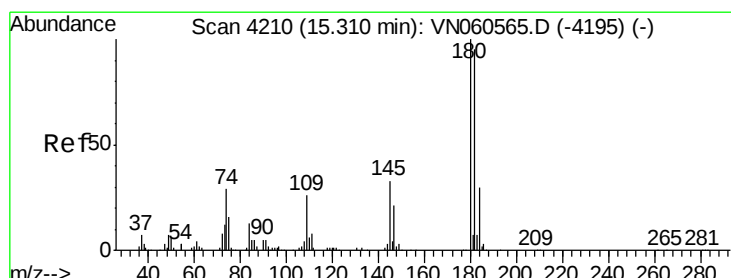
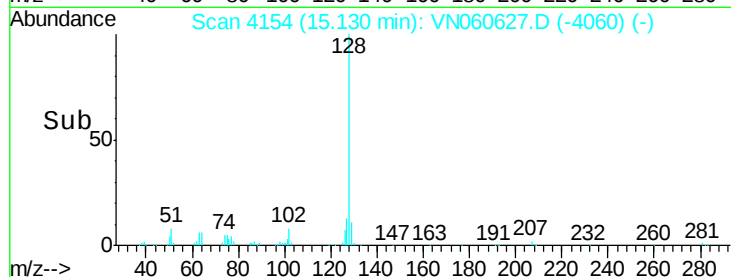
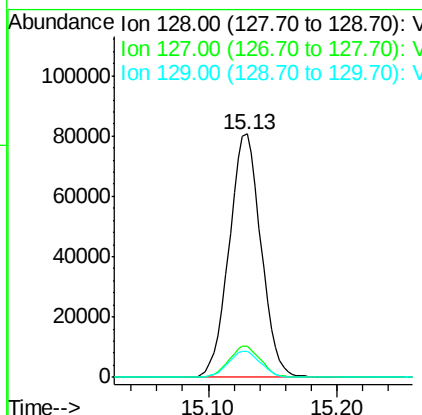
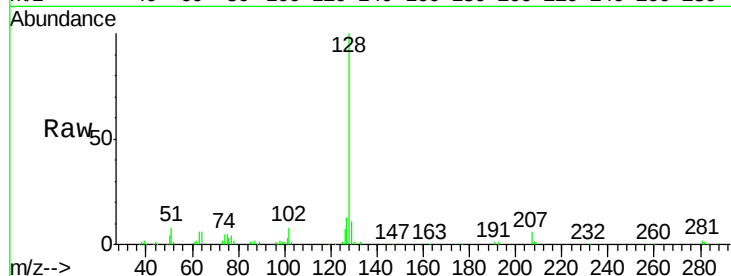
#95
Naphthalene
Concen: 17.614 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.554 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060627.D
Acq: 19 Mar 2020 11:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.5	142.6
145	32.9	16.3	48.8

