

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060547.D
 Acq On : 17 Mar 2020 11:39
 Operator : JC/MD
 Sample : VN0317WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:34:53 PM

Quant Time: Mar 18 07:00:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138871	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	129170	49.91	ug/l	0.00
Spiked Amount						
			Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	98142	64.11	ug/l	0.00
Spiked Amount						
			Recovery	=	128.22%	
50) Toluene-d8	10.08	98	370905	47.87	ug/l	0.00
Spiked Amount						
			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	139921	47.64	ug/l	0.00
Spiked Amount						
			Recovery	=	95.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	25890	13.999	ug/l	99
3) Chloromethane	2.04	50	48412	15.035	ug/l	99
4) Vinyl Chloride	2.16	62	40152	14.540	ug/l	99
5) Bromomethane	2.54	94	18806	15.248	ug/l	98
6) Chloroethane	2.68	64	24420	16.321	ug/l	98
7) Trichlorofluoromethane	3.00	101	56417	15.990	ug/l	100
8) Diethyl Ether	3.38	74	24891	18.685	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	34620	17.338	ug/l	100
10) Methyl Iodide	3.93	142	25641	14.070	ug/l	98
11) Tert butyl alcohol	4.72	59	38900	101.223	ug/l	100
12) 1,1-Dichloroethene	3.71	96	33391	17.179	ug/l	100
13) Acrolein	3.58	56	30769	85.823	ug/l	100
14) Allyl chloride	4.29	41	62937	17.613	ug/l	98
15) Acrylonitrile	4.94	53	106804	105.440	ug/l	98
16) Acetone	3.78	43	91798	109.836	ug/l	97
17) Carbon Disulfide	4.03	76	78304	14.729	ug/l	100
18) Methyl Acetate	4.29	43	58236	20.880	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	135422	19.246	ug/l	97
20) Methylene Chloride	4.52	84	40463	17.629	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	35844	16.933	ug/l	98
22) Diisopropyl ether	5.91	45	147588	20.391	ug/l	98
23) Vinyl Acetate	5.86	43	575844	100.122	ug/l	98
24) 1,1-Dichloroethane	5.81	63	77143	18.829	ug/l	100
25) 2-Butanone	6.80	43	142870	105.832	ug/l	98
26) 2,2-Dichloropropane	6.80	77	67333	18.052	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	45973	17.273	ug/l	98
28) Bromochloromethane	7.17	49	33338	19.818	ug/l	93
29) Tetrahydrofuran	7.18	42	95197	101.409	ug/l	97
30) Chloroform	7.34	83	76112	18.661	ug/l	99
31) Cyclohexane	7.63	56	64589	17.605	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	63426	17.552	ug/l	100
36) 1,1-Dichloropropene	7.77	75	53574	17.045	ug/l	98
37) Ethyl Acetate	6.89	43	60347	20.277	ug/l	99
38) Carbon Tetrachloride	7.75	117	49006	16.014	ug/l	99

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Quant Time: Mar 18 07:00:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	59111	15.951	ug/l	96
40) Benzene	8.02	78	164335	17.964	ug/l	100
41) Methacrylonitrile	7.14	41	24703m	17.976	ug/l	
42) 1,2-Dichloroethane	8.10	62	61256	18.556	ug/l	99
43) Isopropyl Acetate	8.14	43	105417	20.233	ug/l	99
44) Trichloroethene	8.81	130	42709	16.763	ug/l	97
45) 1,2-Dichloropropane	9.10	63	47808	19.988	ug/l	100
46) Dibromomethane	9.19	93	28599	18.427	ug/l	97
47) Bromodichloromethane	9.38	83	59868	18.967	ug/l	99
48) Methyl methacrylate	9.18	41	44904	18.899	ug/l	96
49) 1,4-Dioxane	9.18	88	12627	377.917	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	303861	102.860	ug/l	100
52) Toluene	10.14	92	100404	17.472	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	70324	18.182	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	73965	18.455	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42528	18.403	ug/l	98
56) Ethyl methacrylate	10.42	69	63005	18.977	ug/l	96
57) 1,3-Dichloropropane	10.70	76	72425	19.217	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	161162	92.814	ug/l	98
59) 2-Hexanone	10.74	43	213851	98.595	ug/l	99
60) Dibromochloromethane	10.89	129	43694	18.592	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40822	18.121	ug/l	100
64) Tetrachloroethene	10.62	164	41581	16.704	ug/l	99
65) Chlorobenzene	11.43	112	106229	17.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40722	18.224	ug/l	98
67) Ethyl Benzene	11.50	91	192159	17.460	ug/l	100
68) m/p-Xylenes	11.61	106	142950	34.427	ug/l	100
69) o-Xylene	11.94	106	70246	17.741	ug/l	99
70) Styrene	11.96	104	112621	17.300	ug/l	100
71) Bromoform	12.12	173	30422	18.891	ug/l #	97
73) Isopropylbenzene	12.24	105	187652	18.231	ug/l	100
74) N-amyl acetate	12.06	43	85243	18.952	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59188	21.155	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54270m	17.812	ug/l	
77) Bromobenzene	12.52	156	45471	18.022	ug/l	95
78) n-propylbenzene	12.59	91	218109	18.077	ug/l	99
79) 2-Chlorotoluene	12.67	91	130087	18.342	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	156861	18.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21297	19.295	ug/l #	86
82) 4-Chlorotoluene	12.77	91	132938	17.791	ug/l	98
83) tert-Butylbenzene	12.99	119	132358	17.640	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	155900	17.823	ug/l	100
85) sec-Butylbenzene	13.17	105	179471	17.862	ug/l	99
86) p-Isopropyltoluene	13.28	119	160166	17.223	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	79434	18.201	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	79972	18.333	ug/l	98
89) n-Butylbenzene	13.61	91	144291	16.902	ug/l	99
90) Hexachloroethane	13.87	117	22581	16.775	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77885	17.617	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11739	18.528	ug/l	95

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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
VN0317WBSD01

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	47898	17.109	ug/l	99
94) Hexachlorobutadiene	15.01	225	24354	18.499	ug/l	98
95) Naphthalene	15.13	128	137543	16.440	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45816	17.198	ug/l	99

(#) = 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: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion:168 Resp: 201720

Ion Ratio Lower Upper

168 100

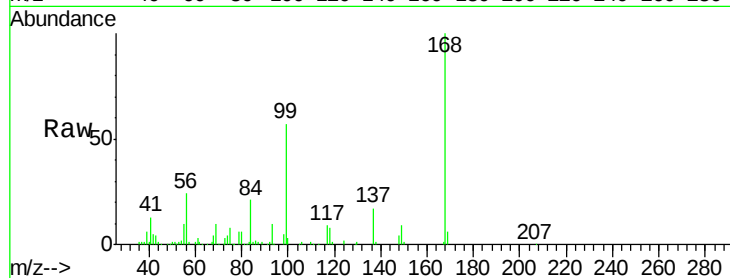
99 57.0 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

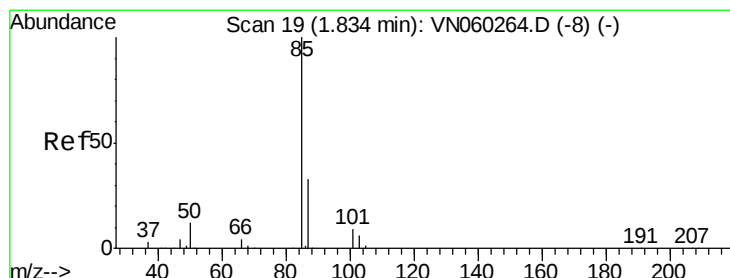
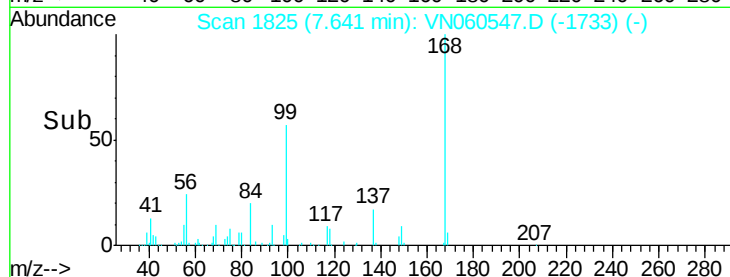
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 13.999 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060547.D

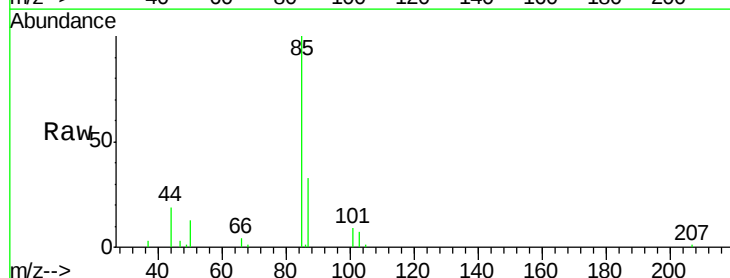
Acq: 17 Mar 2020 11:39

Tgt Ion: 85 Resp: 25890

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

15000

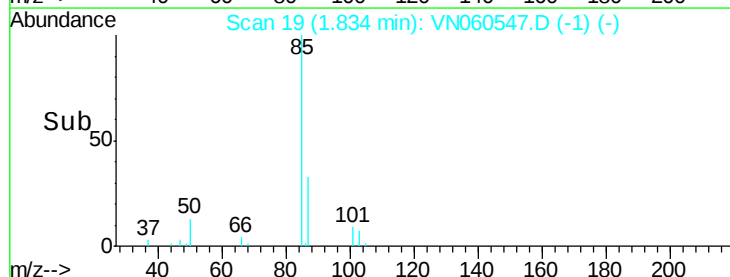
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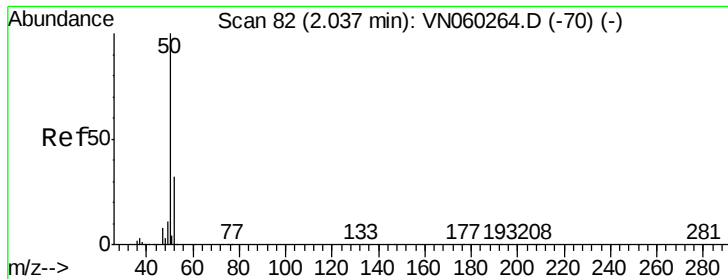
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.035 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 50 Resp: 48412

Ion Ratio Lower Upper

50 100

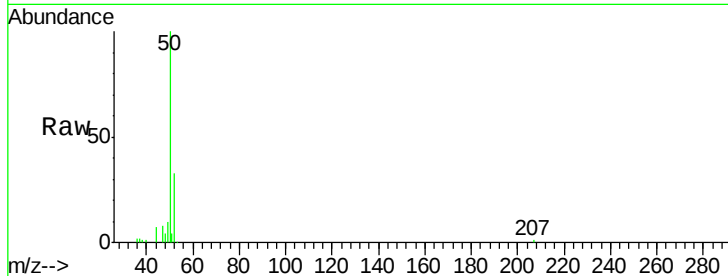
52 32.5 25.6 38.4

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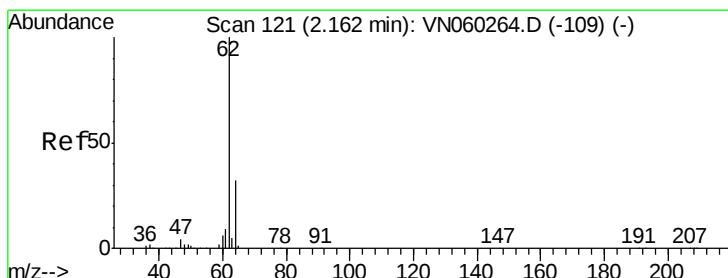
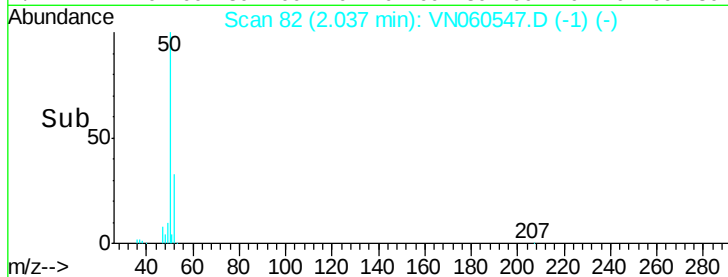
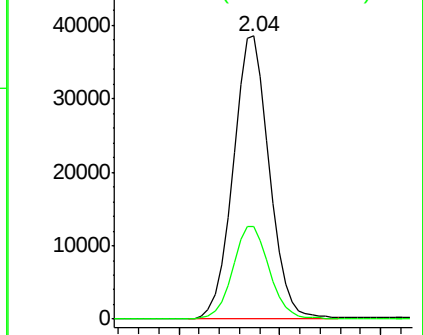
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 14.540 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060547.D

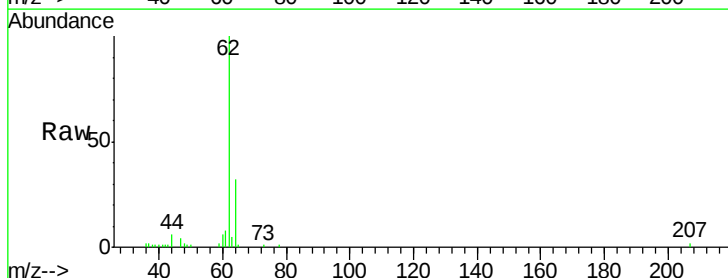
Acq: 17 Mar 2020 11:39

Tgt Ion: 62 Resp: 40152

Ion Ratio Lower Upper

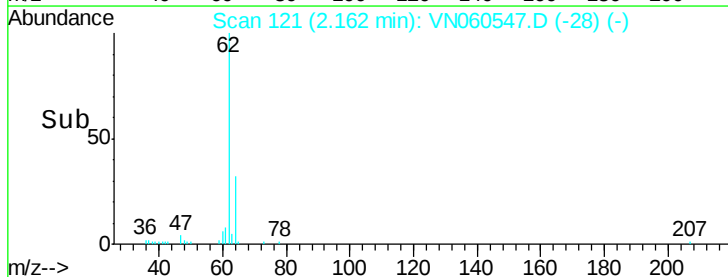
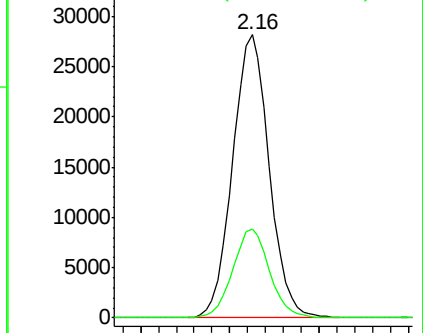
62 100

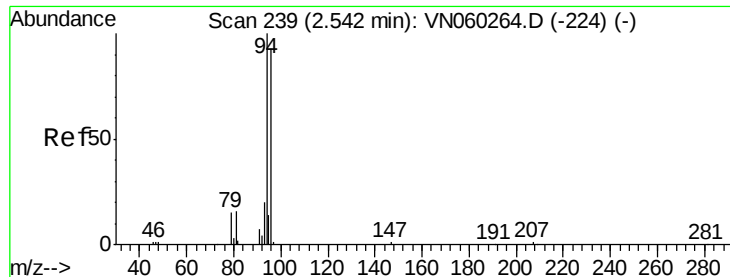
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 15.248 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 94 Resp: 18806

Ion Ratio Lower Upper

94 100

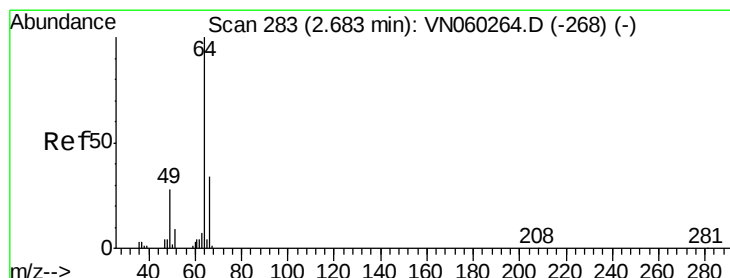
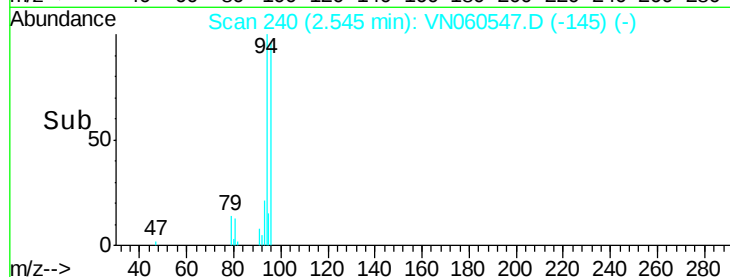
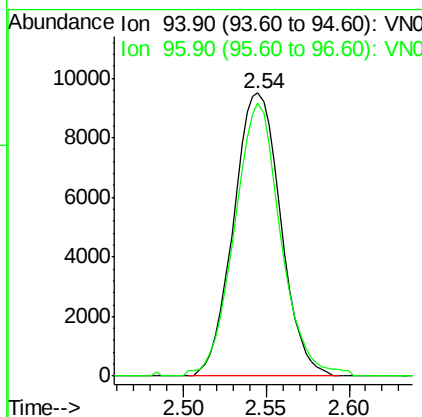
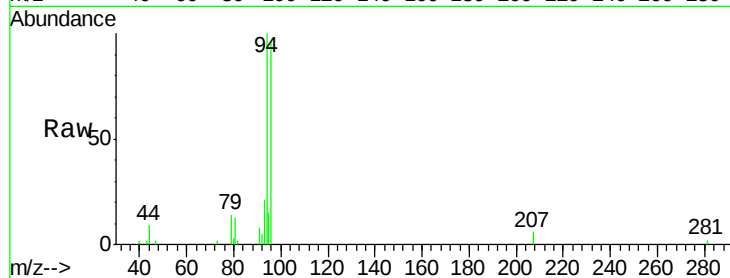
96 94.4 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 16.321 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060547.D

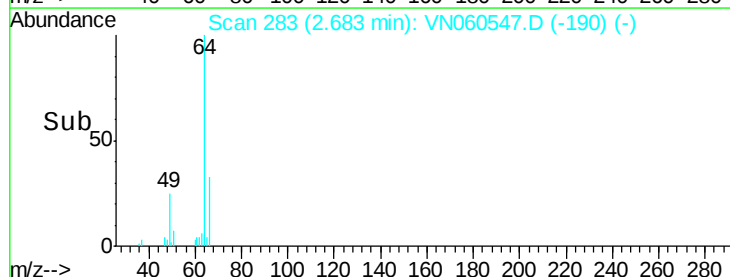
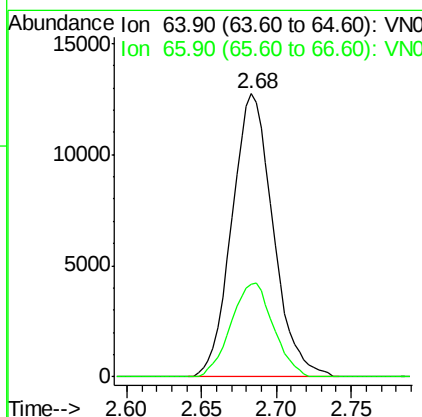
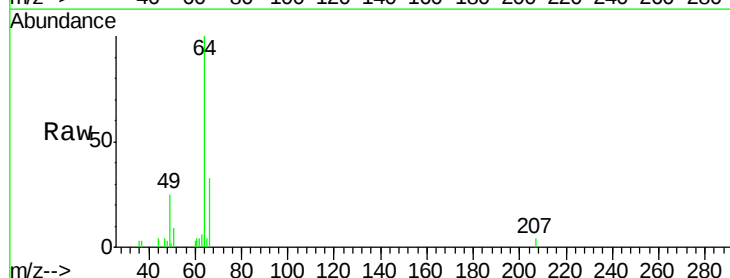
Acq: 17 Mar 2020 11:39

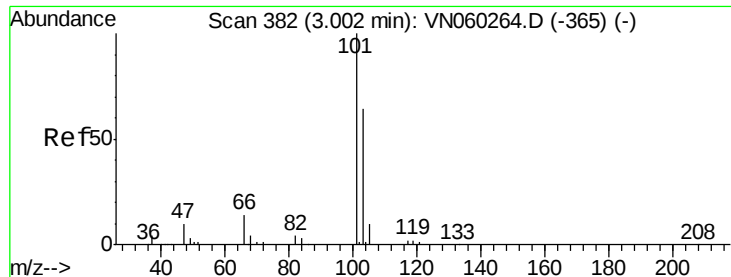
Tgt Ion: 64 Resp: 24420

Ion Ratio Lower Upper

64 100

66 32.9 27.4 41.2





#7

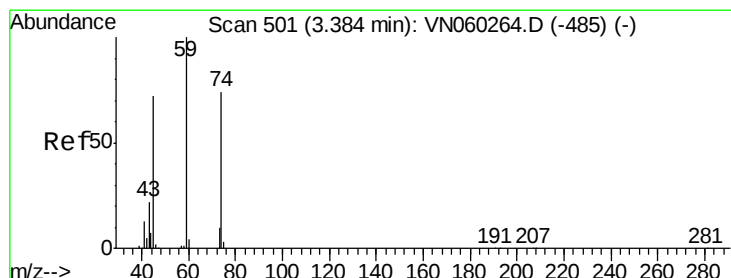
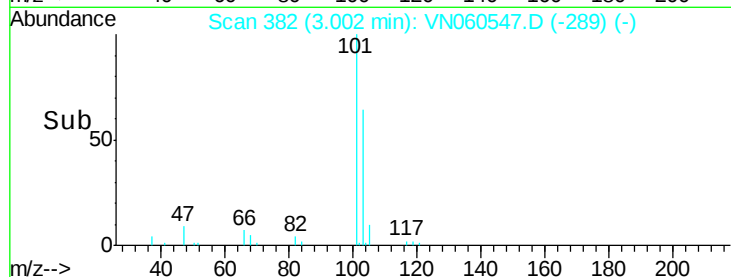
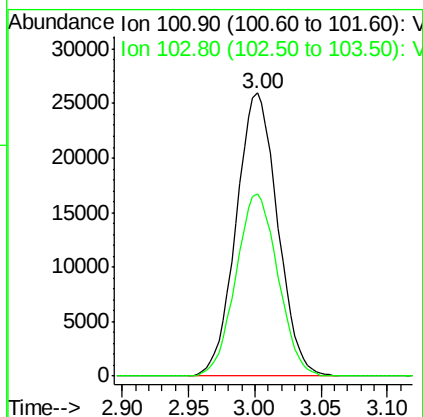
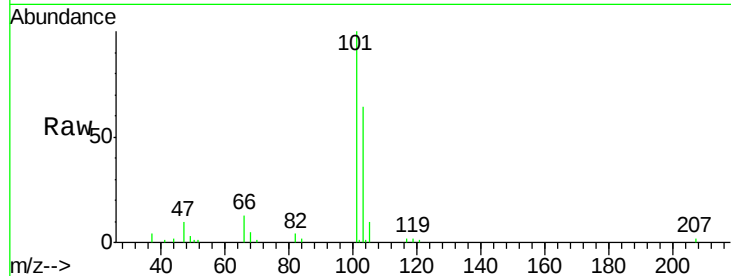
Trichlorofluoromethane
Concen: 15.990 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		56417		
103	64.4	51.3	76.9		

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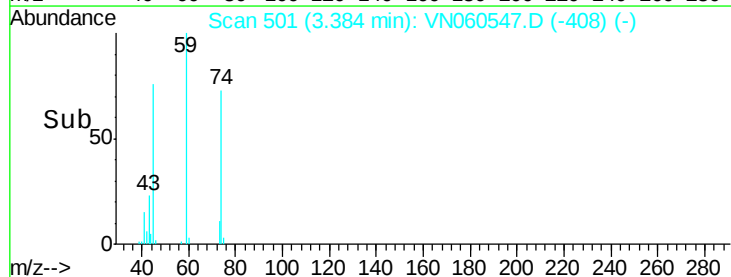
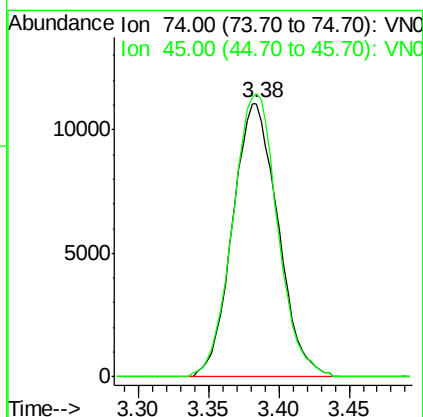
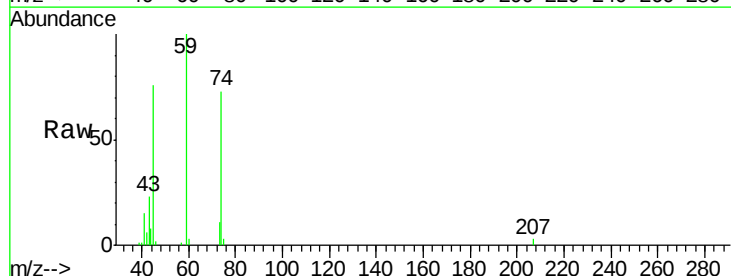
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3/18/2020 5:34:53 PM



#8

Diethyl Ether
Concen: 18.685 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		24891		
45	102.7	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.338 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

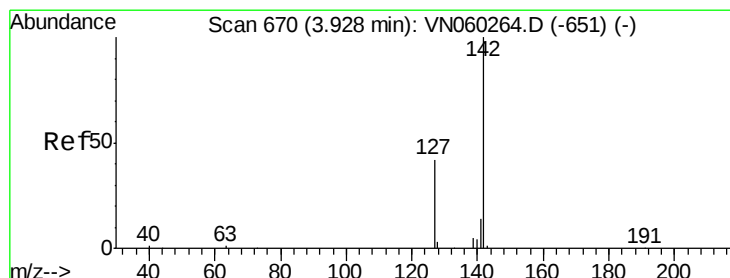
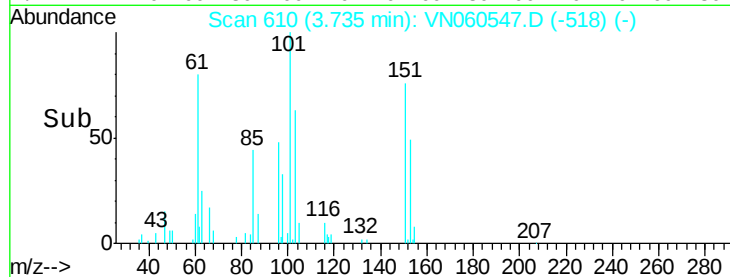
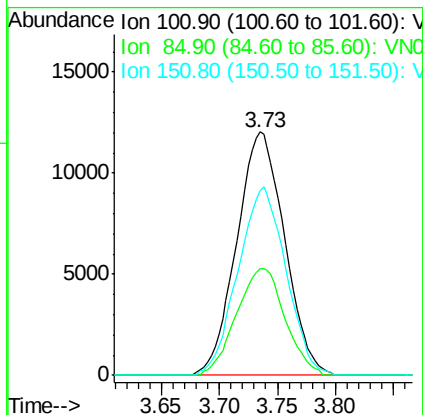
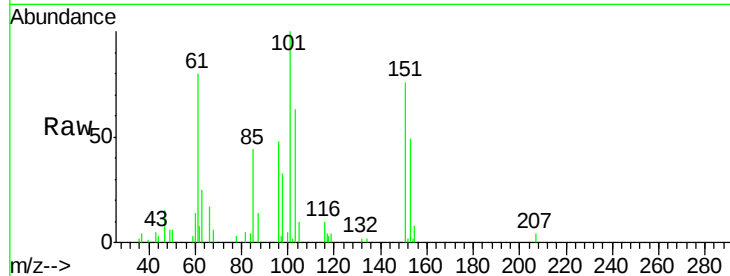
ClientSampleId :

VN0317WBSD01

Tot Ion:	101	Resp:	34620
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.4	53.2
151	77.4	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 14.070 ug/l

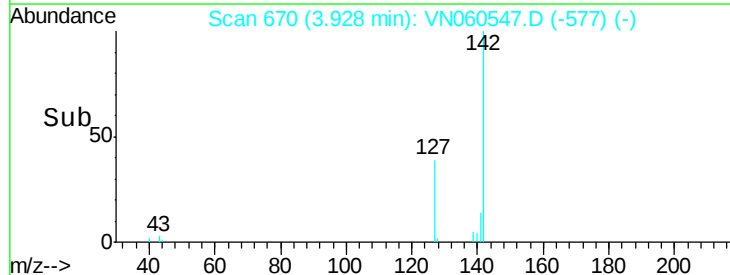
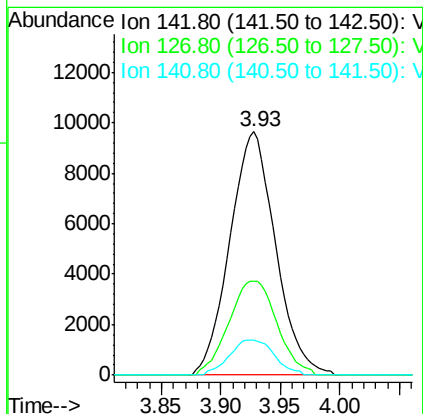
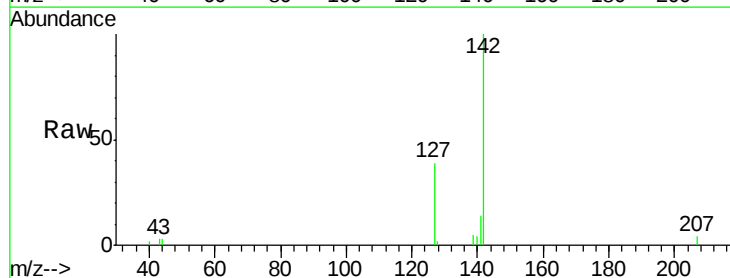
RT: 3.93 min Scan# 670

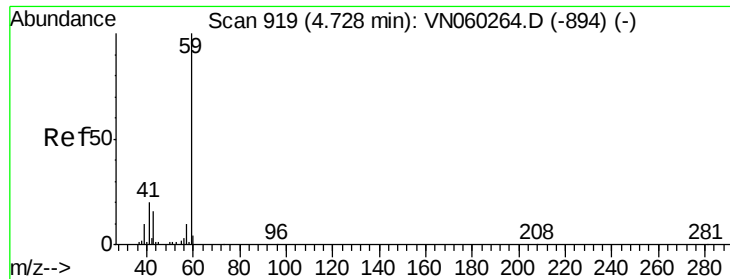
Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion:	142	Resp:	25641
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.8	50.6
141	14.1	11.1	16.7





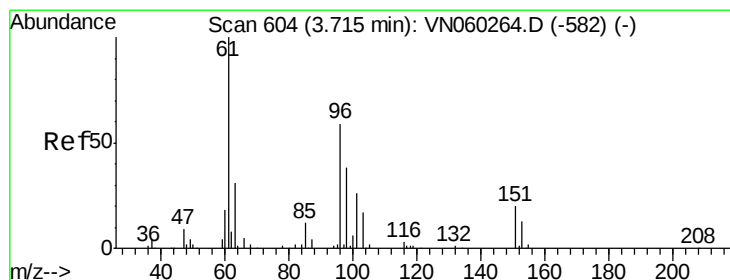
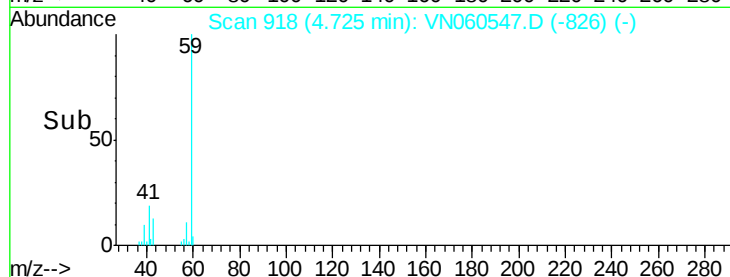
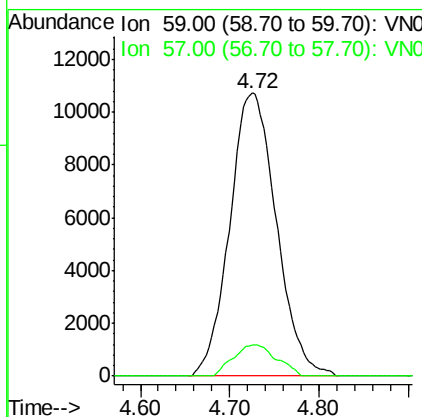
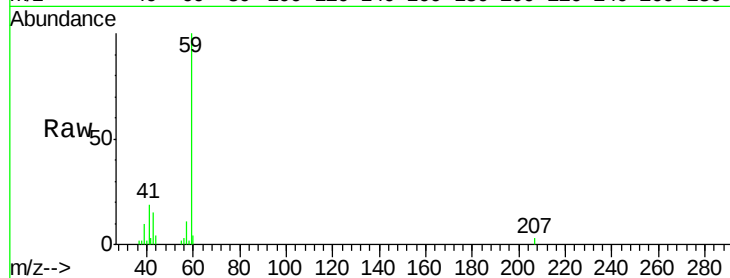
#11
Tert butyl alcohol
Concen: 101.223 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

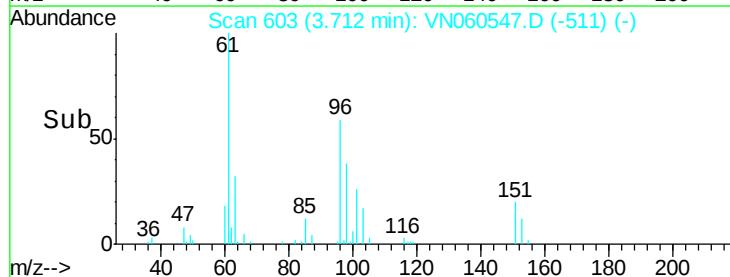
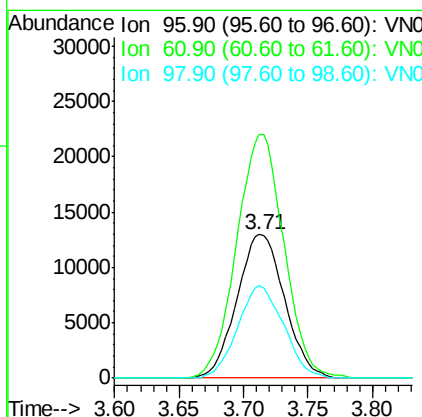
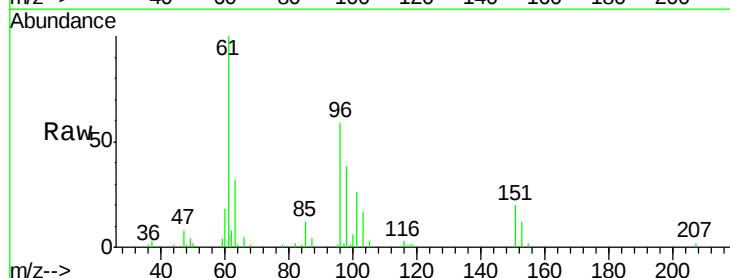
Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:34:53 PM



#12
1,1-Dichloroethene
Concen: 17.179 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	135.4	203.0
98	64.1	51.6	77.4





#13

Acrolein

Concen: 85.823 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 56 Resp: 30769

Ion Ratio Lower Upper

56 100

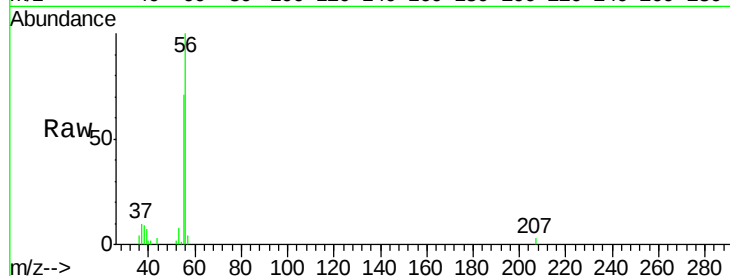
55 71.8 57.4 86.0

Manual Integrations

APPROVED

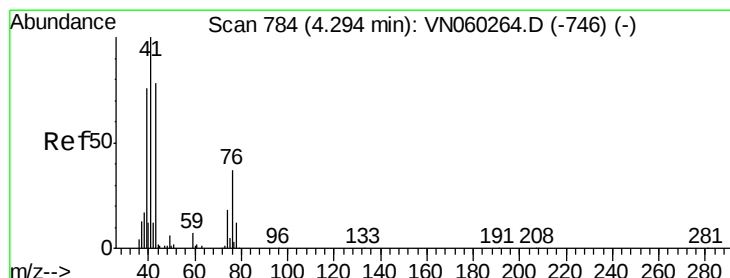
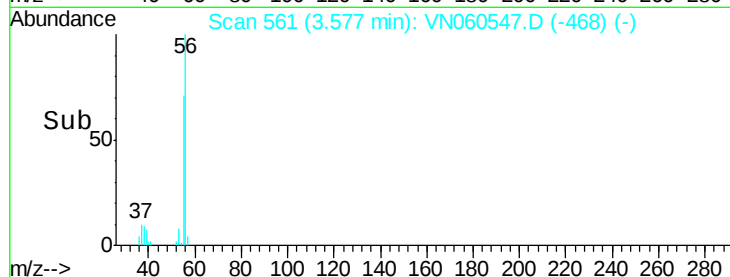
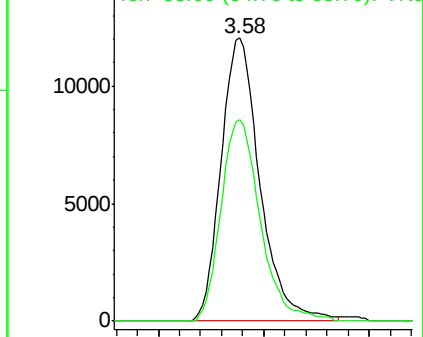
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 17.613 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

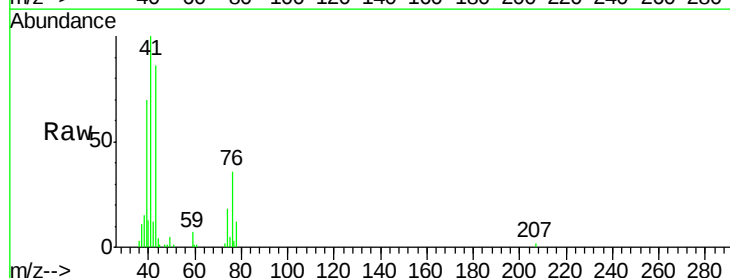
Tgt Ion: 41 Resp: 62937

Ion Ratio Lower Upper

41 100

39 70.8 55.4 83.2

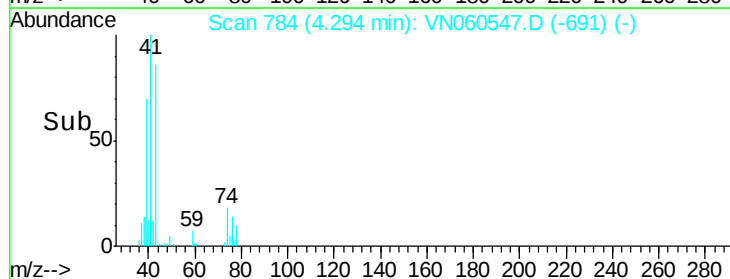
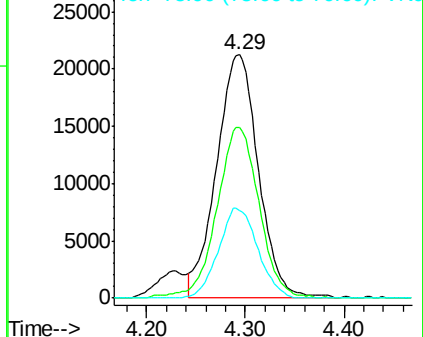
76 34.7 27.0 40.6

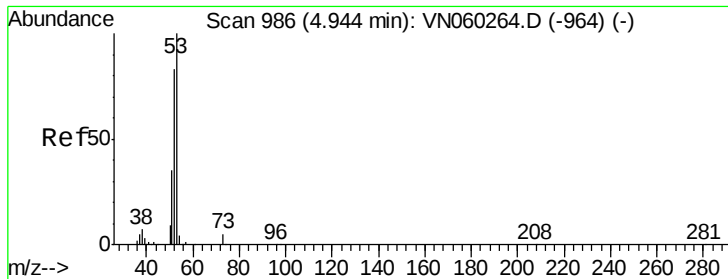


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 105.440 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

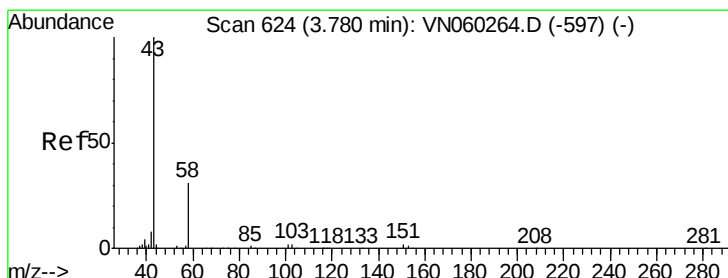
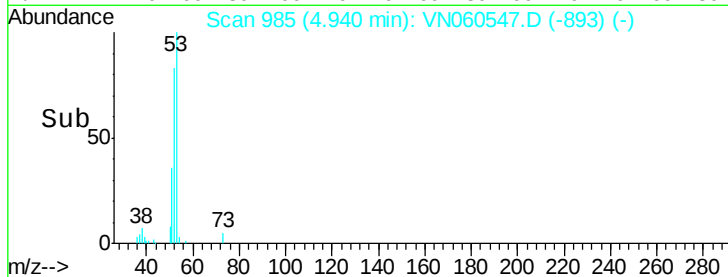
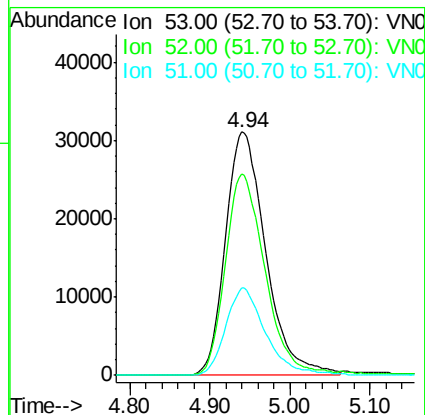
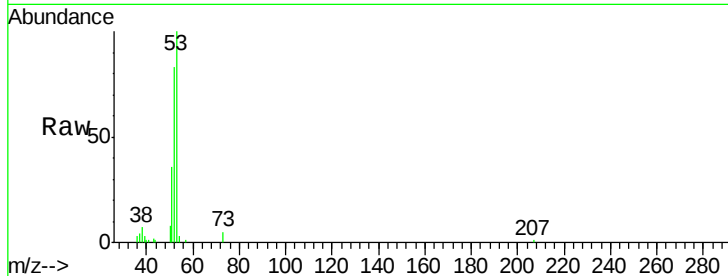
ClientSampleId :

VN0317WBSD01

Tot Ion:	53	Resp:	106804
Ion Ratio	Lower	Upper	
53	100		
52	80.7	66.8	100.2
51	35.6	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 109.836 ug/l

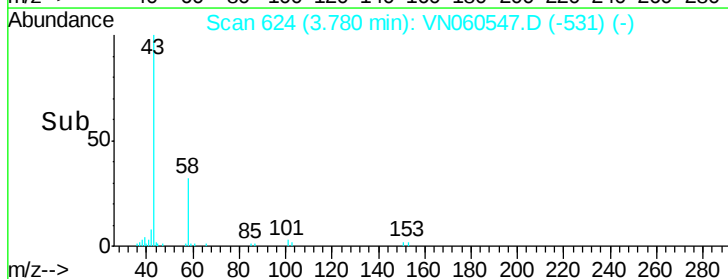
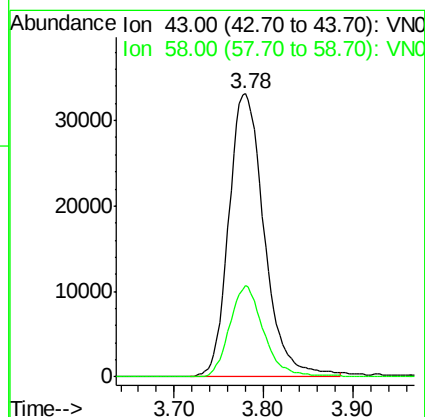
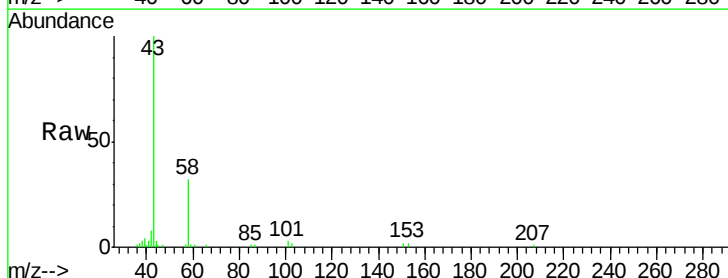
RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion:	43	Resp:	91798
Ion Ratio	Lower	Upper	
43	100		
58	32.1	24.6	36.8





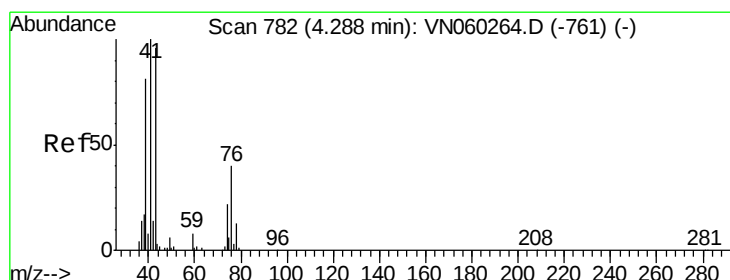
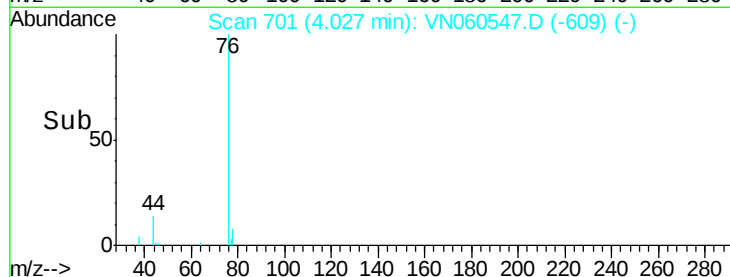
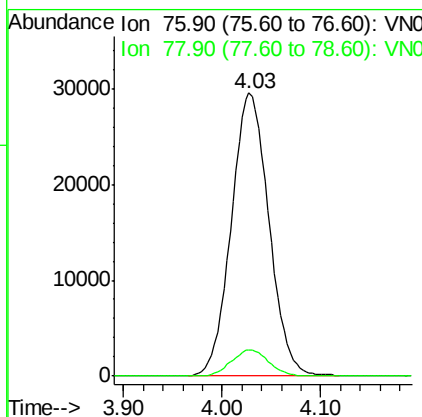
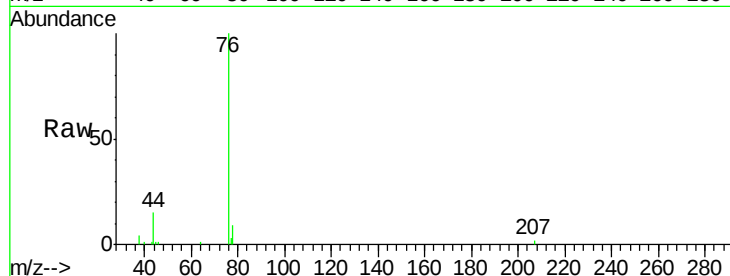
#17
Carbon Disulfide
Concen: 14.729 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

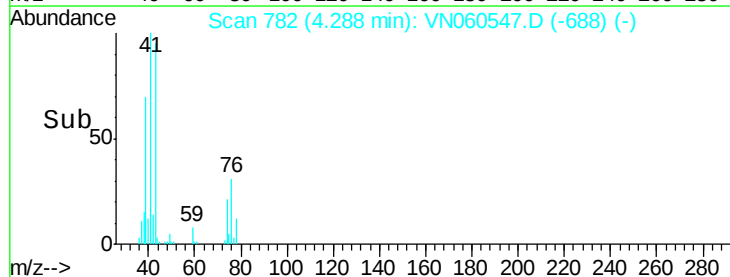
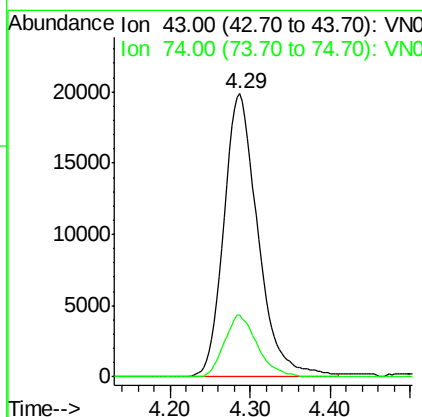
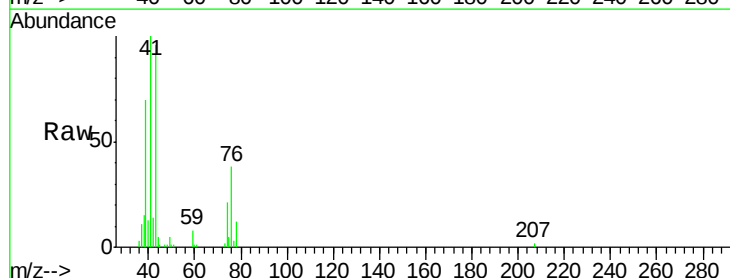
Manual Integrations
APPROVED

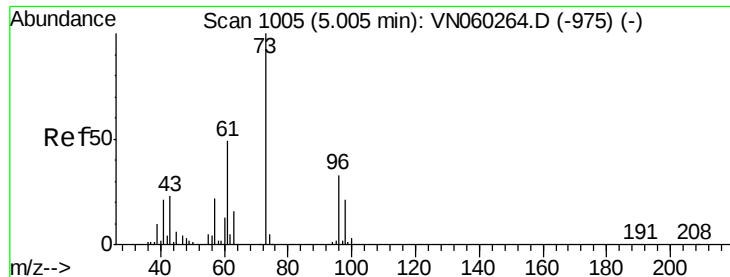
MMDadoda
3/18/2020 5:34:53 PM



#18
Methyl Acetate
Concen: 20.880 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	18.8	28.2





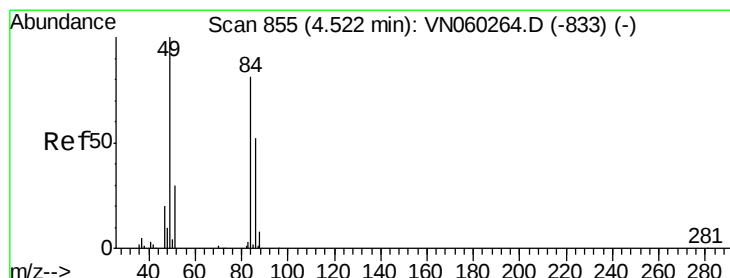
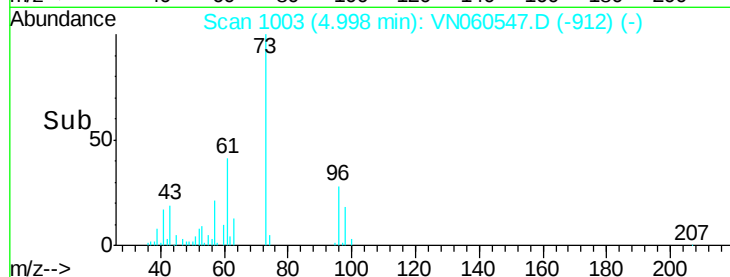
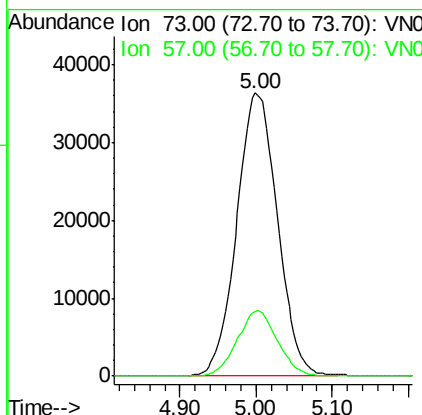
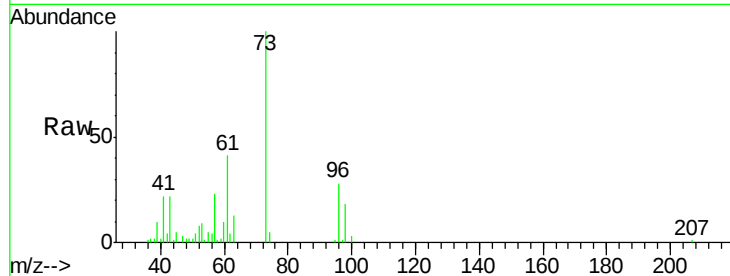
#19
Methyl tert-butyl Ether
Concen: 19.246 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.3	25.9

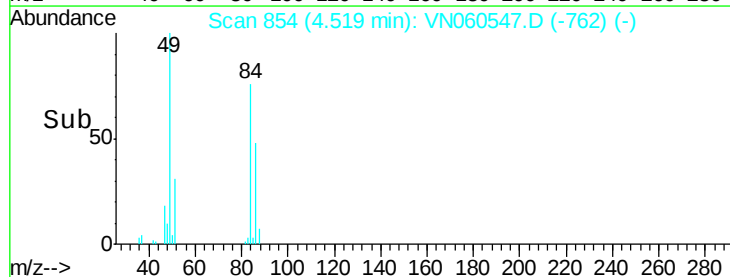
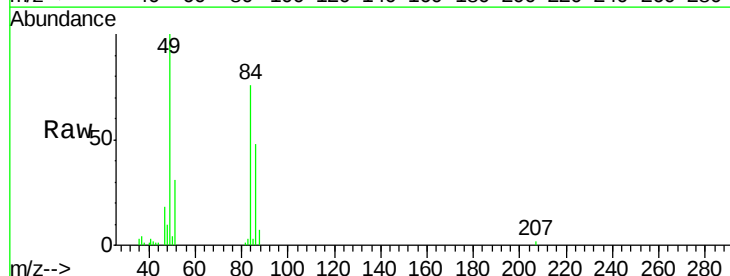
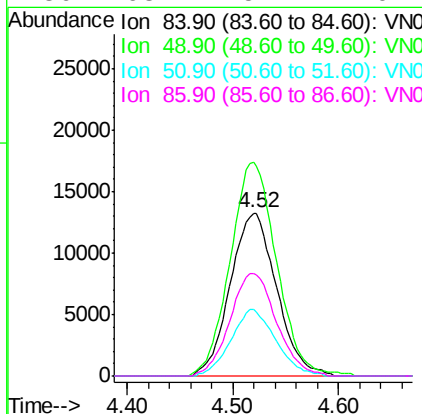
Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:34:53 PM



#20
Methylene Chloride
Concen: 17.629 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.2	99.3	148.9
51	41.1	30.1	45.1
86	63.2	51.1	76.7





#21

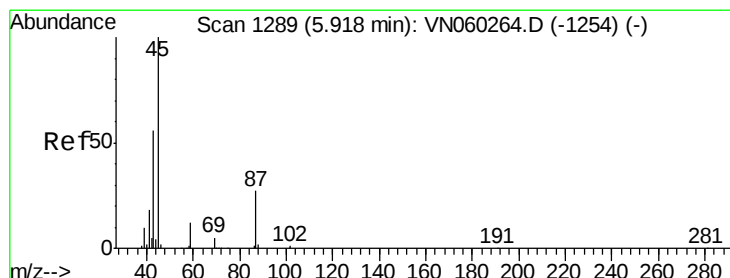
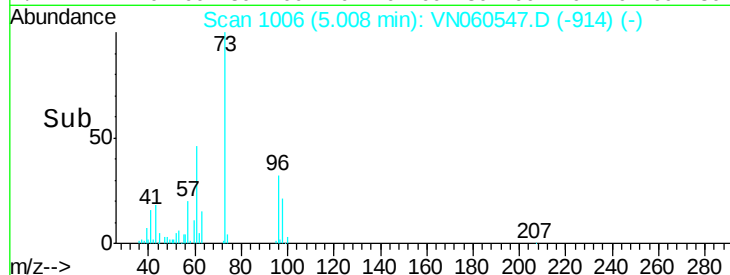
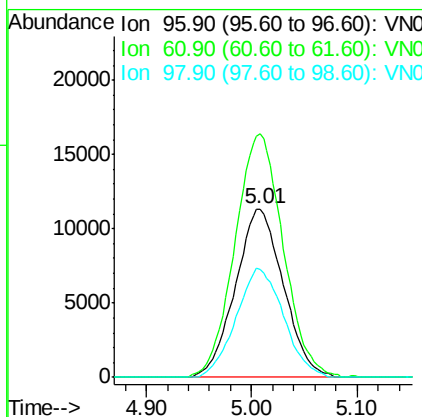
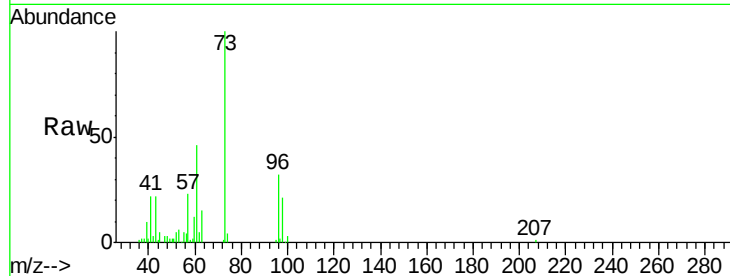
trans-1,2-Dichloroethene
Concen: 16.933 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	113.8	170.8
98	64.2	48.8	73.2

Manual Integrations
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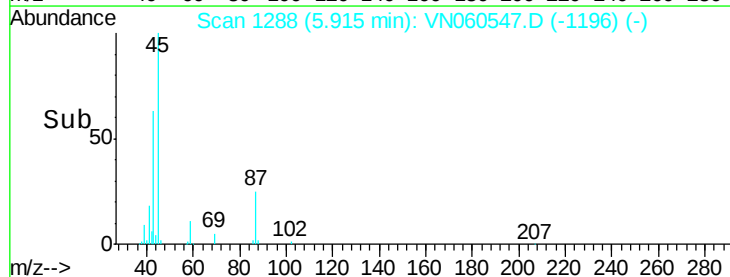
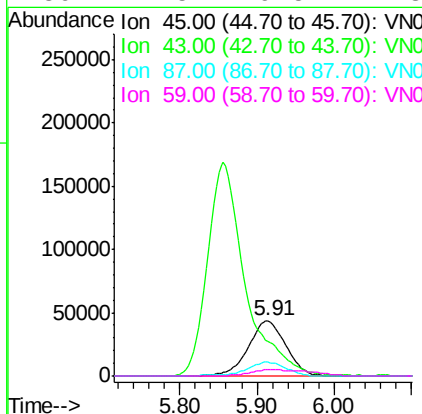
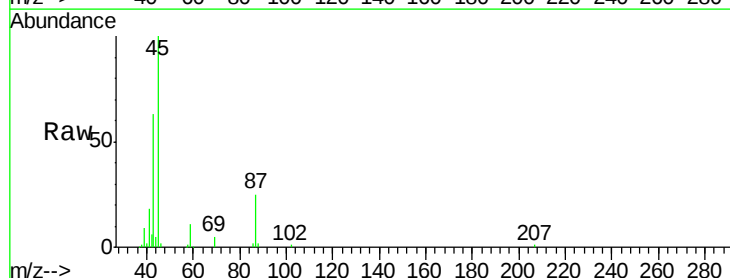
MMDadoda
3/18/2020 5:34:53 PM

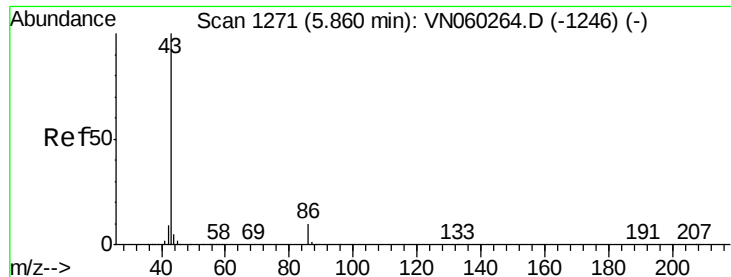


#22

Diisopropyl ether
Concen: 20.391 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	48.6	72.8
87	24.9	22.2	33.2
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 100.122 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 43 Resp: 575844

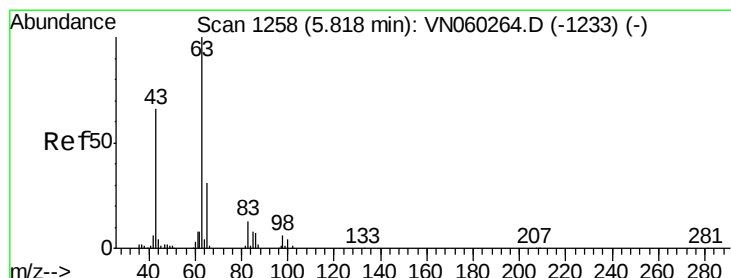
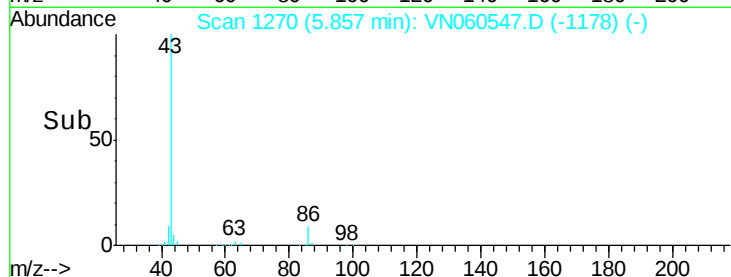
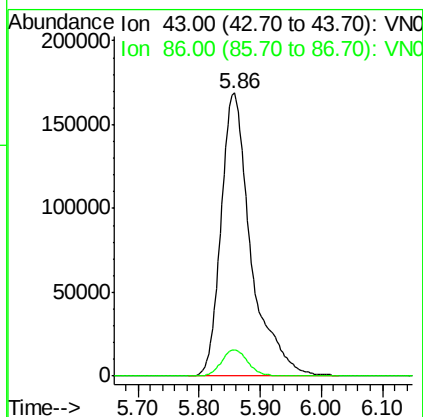
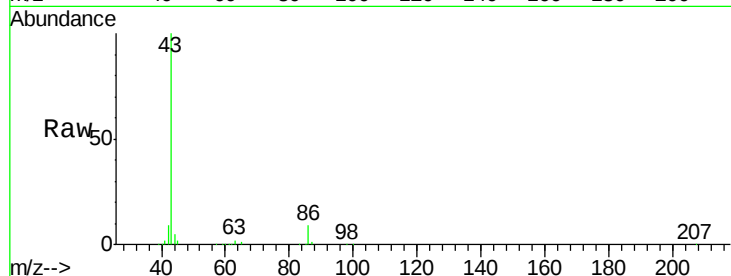
Ion Ratio Lower Upper

43 100

86 9.4 8.0 12.0

Manual Integrations
APPROVED

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3/18/2020 5:34:53 PM



#24

1,1-Dichloroethane

Concen: 18.829 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

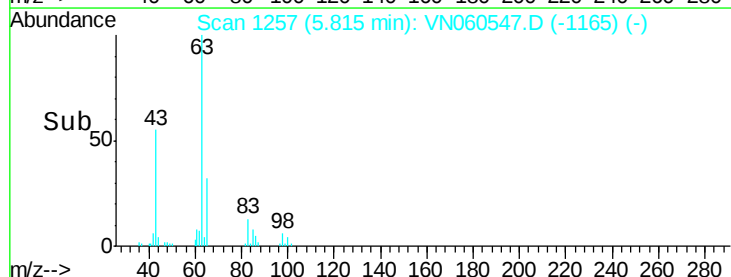
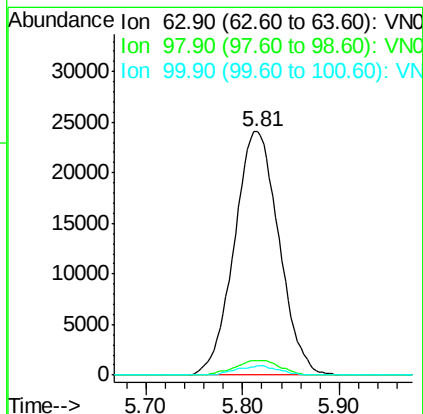
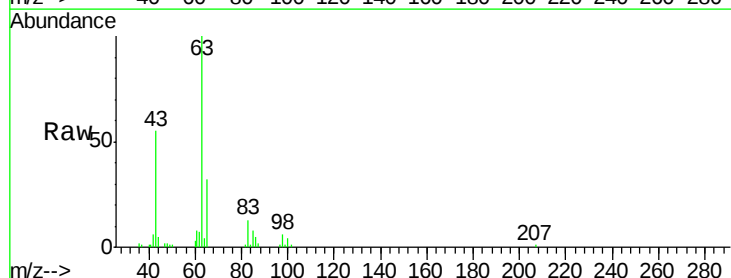
Tgt Ion: 63 Resp: 77143

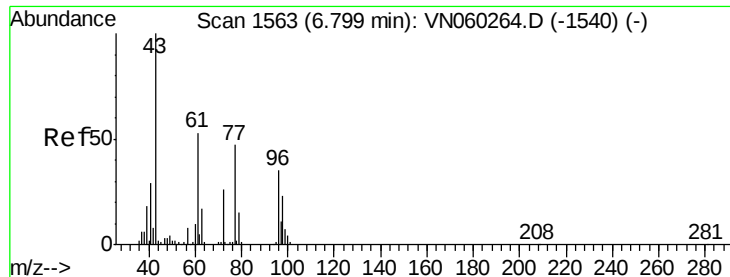
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 105.832 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 43 Resp: 142870

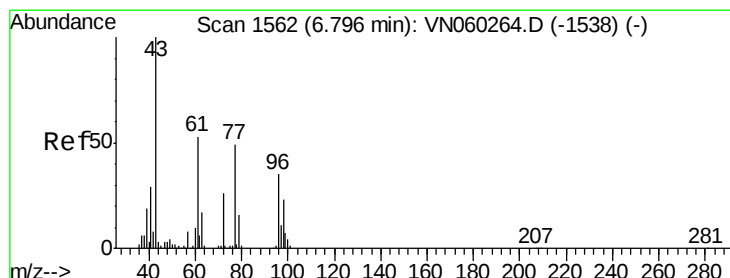
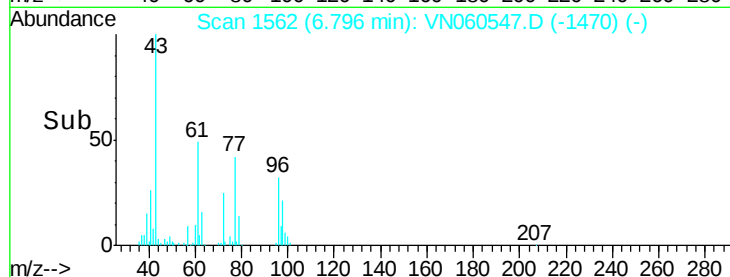
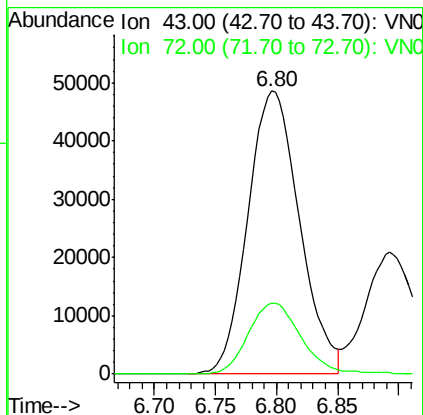
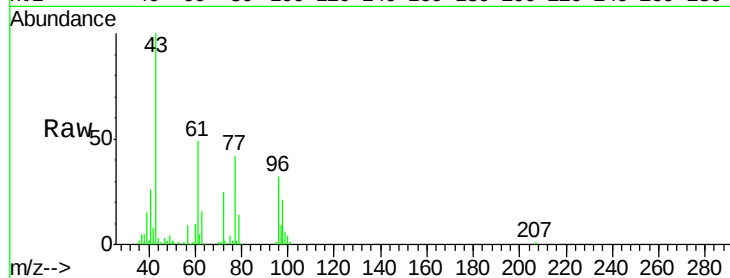
Ion Ratio Lower Upper

43 100

72 25.0 20.9 31.3

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:34:53 PM



#26

2,2-Dichloropropane

Concen: 18.052 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060547.D

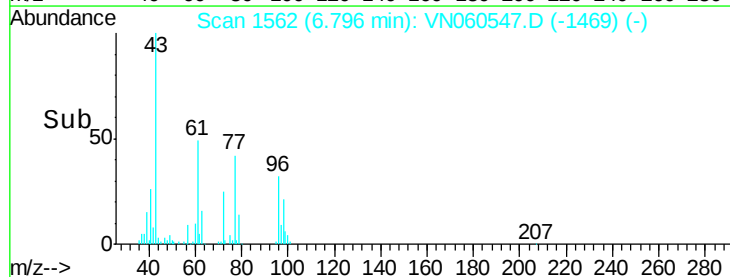
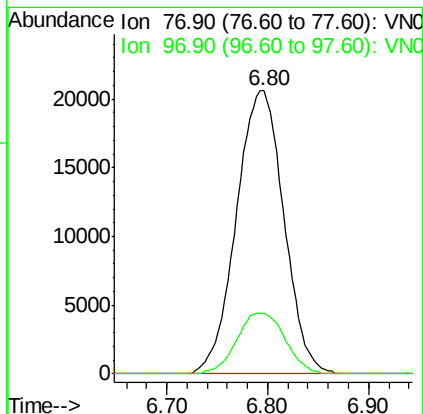
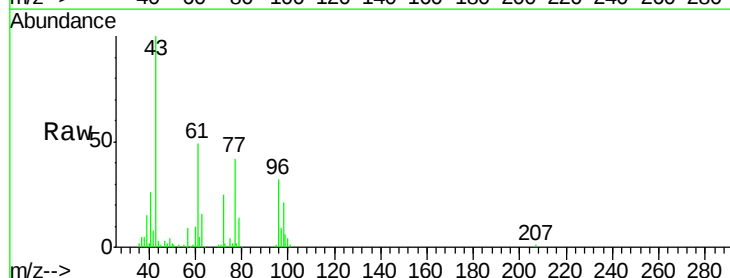
Acq: 17 Mar 2020 11:39

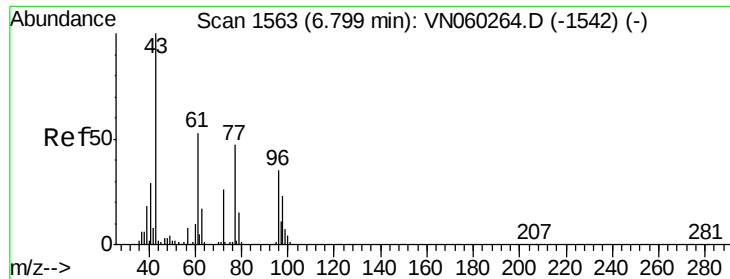
Tgt Ion: 77 Resp: 67333

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.273 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

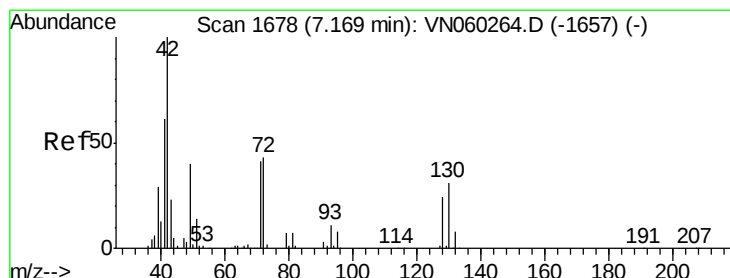
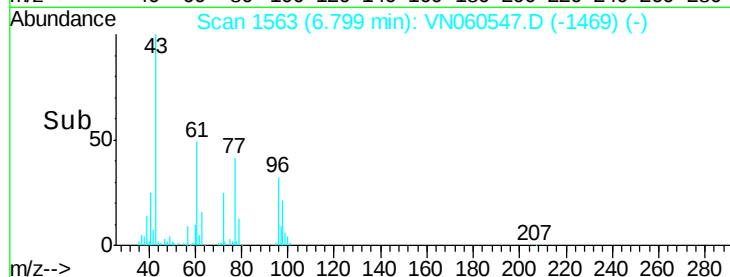
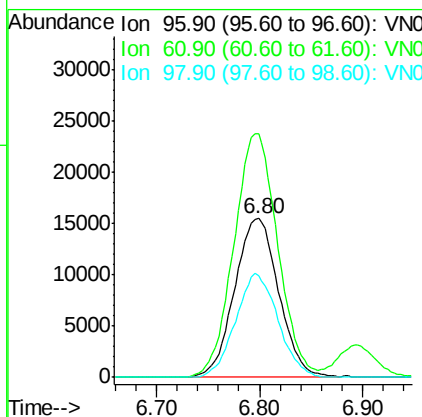
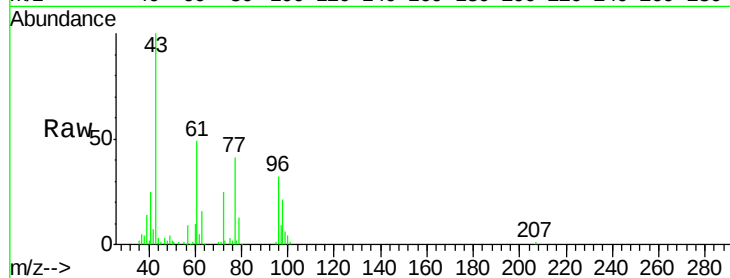
ClientSampleId :

VN0317WBSD01

Tot Ion:	96	Resp:	45973
Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	300.8
98	63.1	0.0	128.2

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#28

Bromochloromethane

Concen: 19.818 ug/l

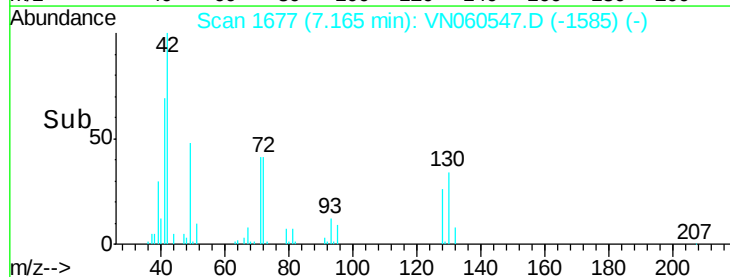
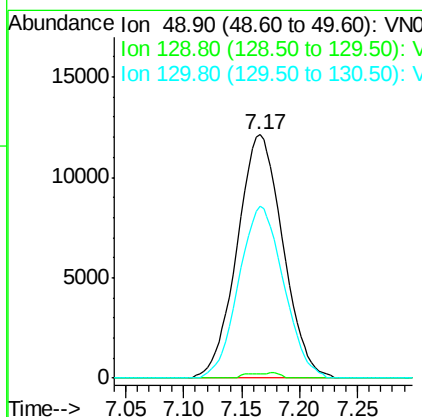
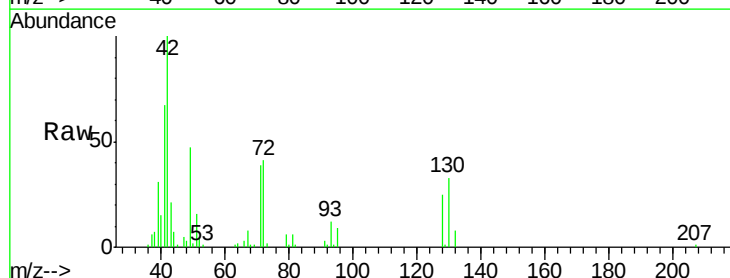
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion:	49	Resp:	33338
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	69.1	59.8	89.8





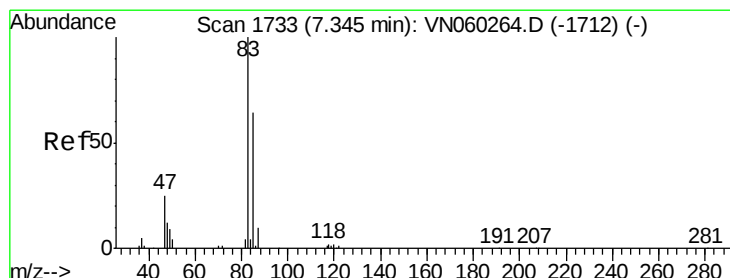
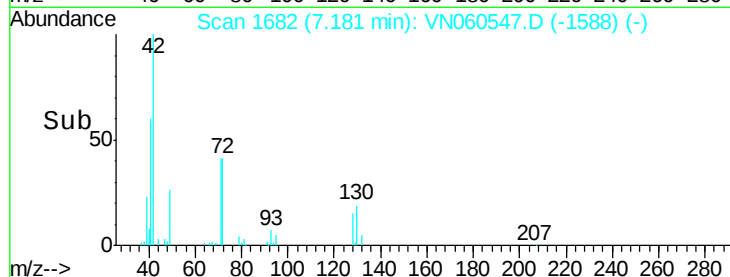
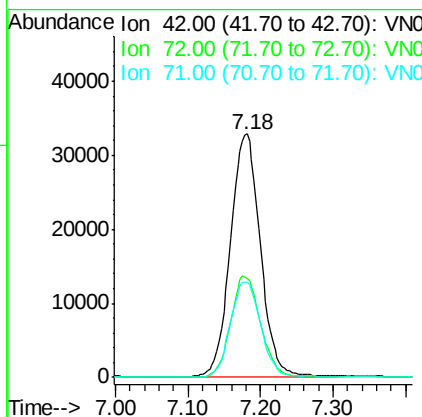
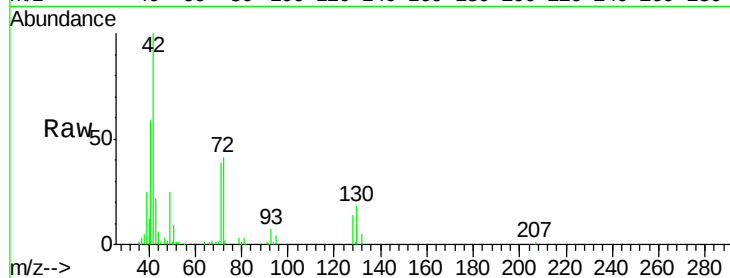
#29
Tetrahydrofuran
Concen: 101.409 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.6	52.0
71	39.4	32.9	49.3

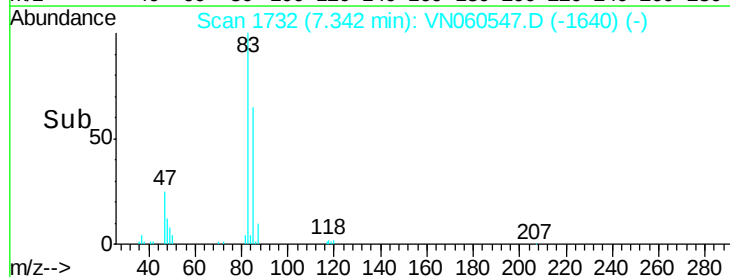
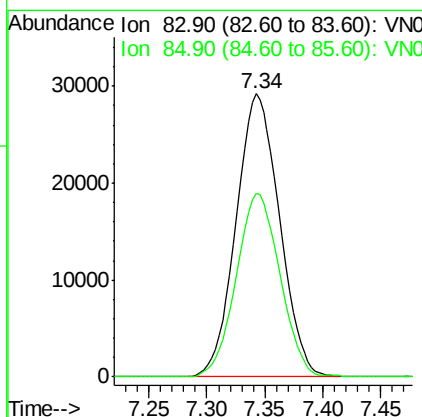
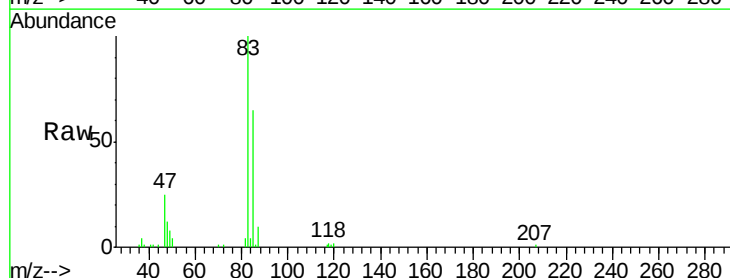
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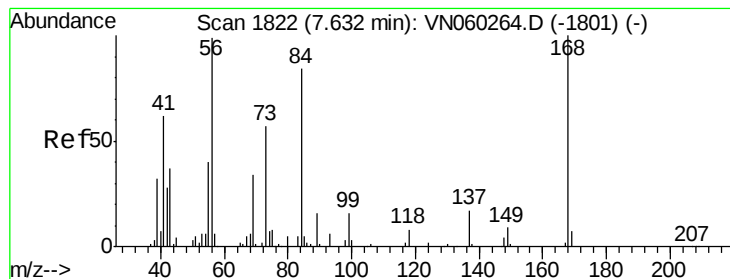
MMDadoda
3/18/2020 5:34:53 PM



#30
Chloroform
Concen: 18.661 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2





#31

Cyclohexane

Concen: 17.605 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

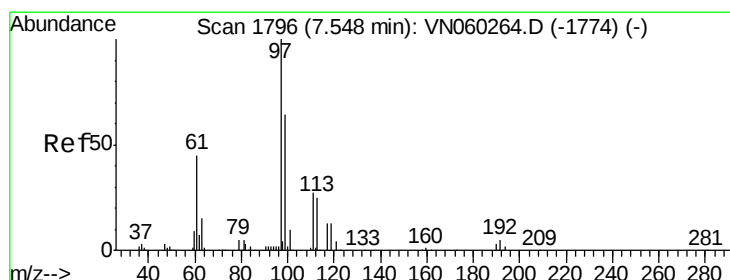
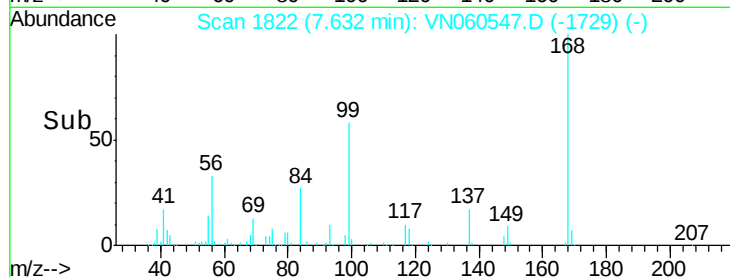
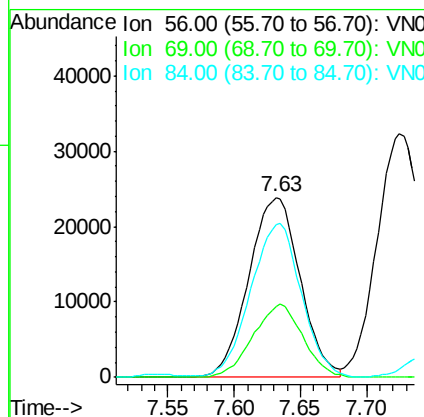
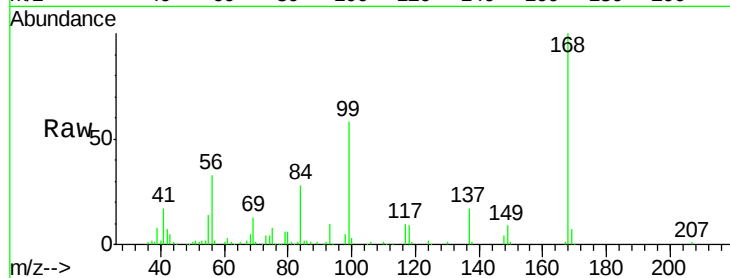
ClientSampleId :

VN0317WBSD01

Tot Ion:	56	Resp:	64589
Ion	Ratio	Lower	Upper
56	100		
69	39.4	27.2	40.8
84	84.3	66.7	100.1

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#32

1,1,1-Trichloroethane

Concen: 17.552 ug/l

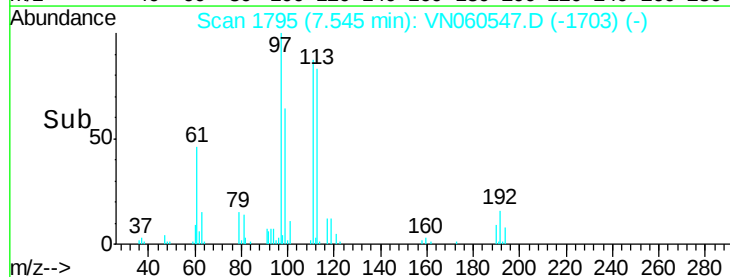
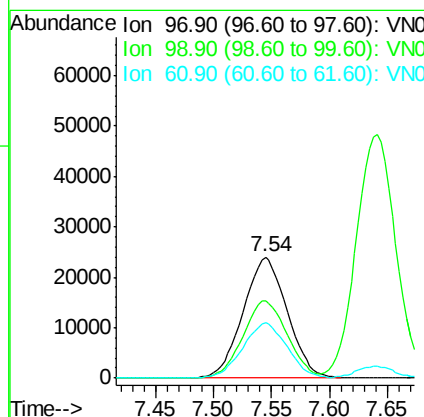
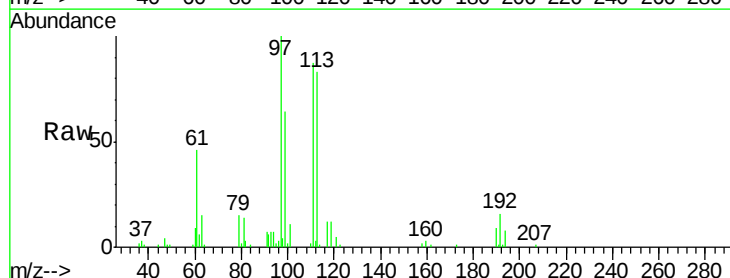
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion:	97	Resp:	63426
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	45.8	36.6	55.0





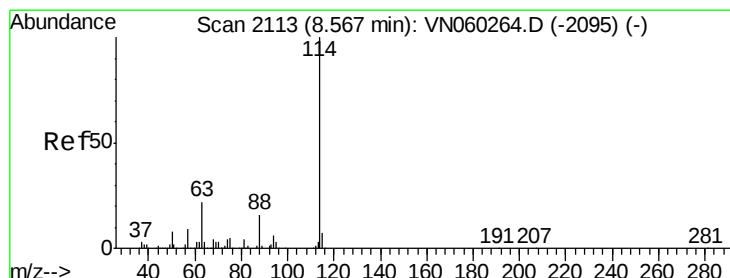
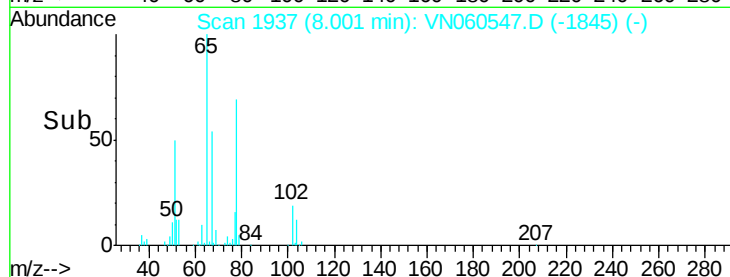
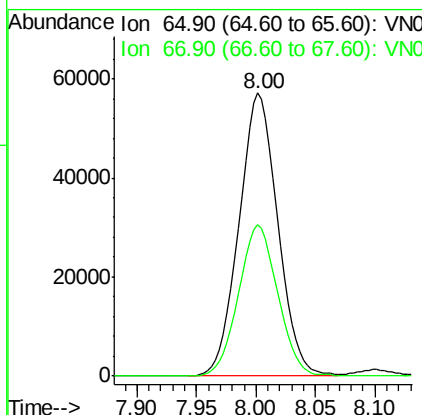
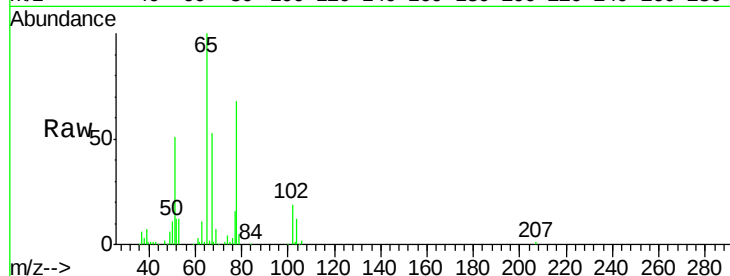
#33
 1,2-Dichloroethane-d4
 Concen: 49.909 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	103.8	

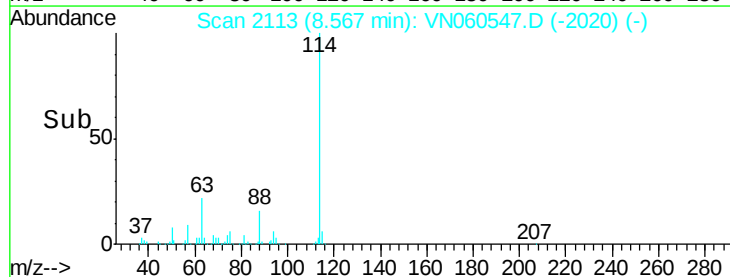
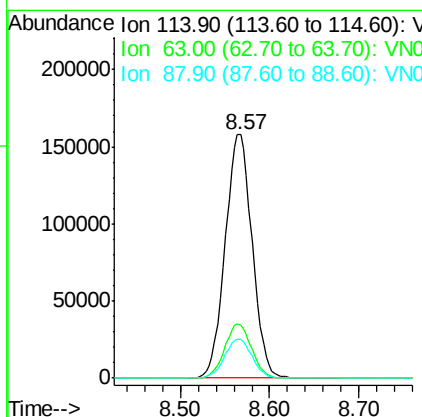
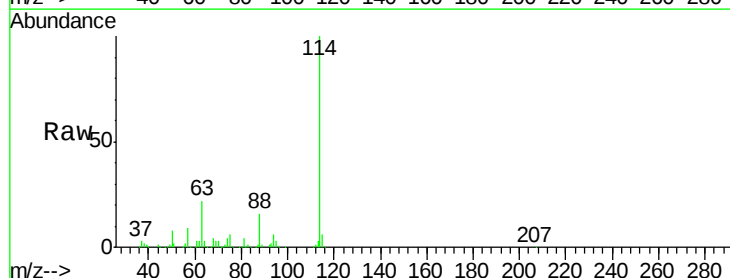
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	43.2	
88	15.9	0.0	31.6	





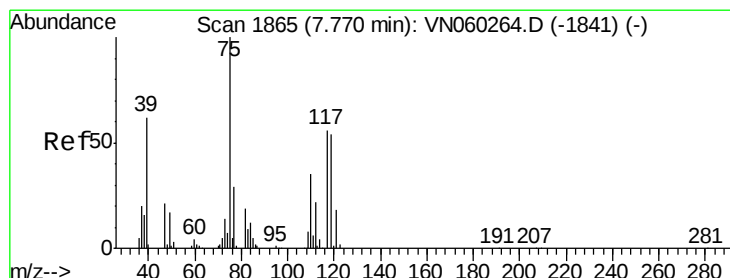
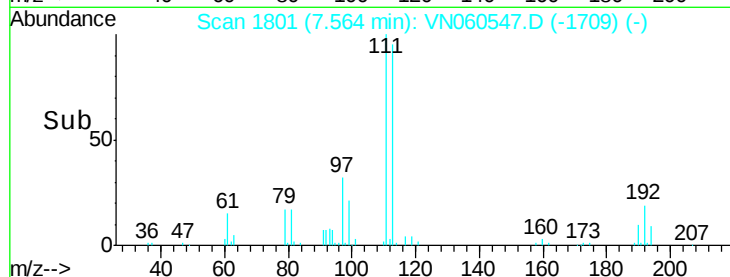
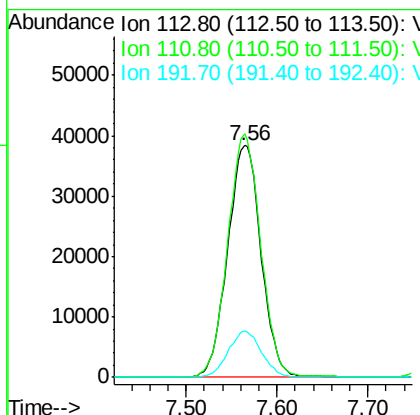
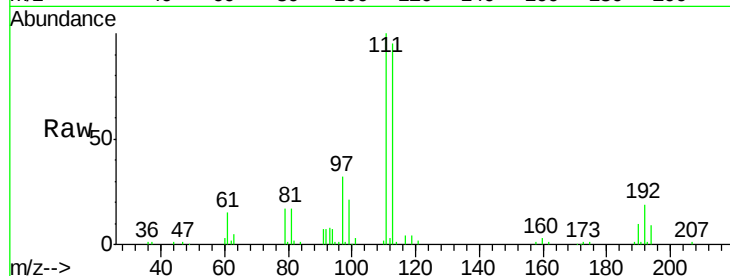
#35
 Dibromofluoromethane
 Concen: 64.111 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	19.8	16.2	24.2

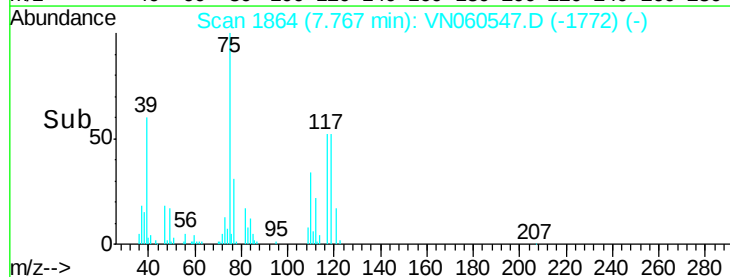
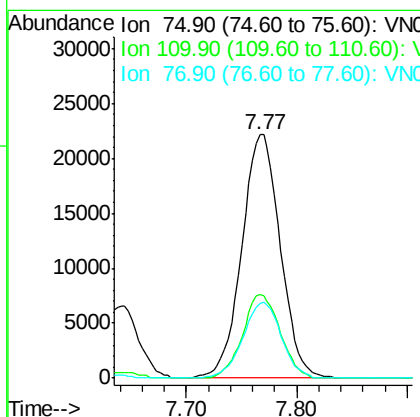
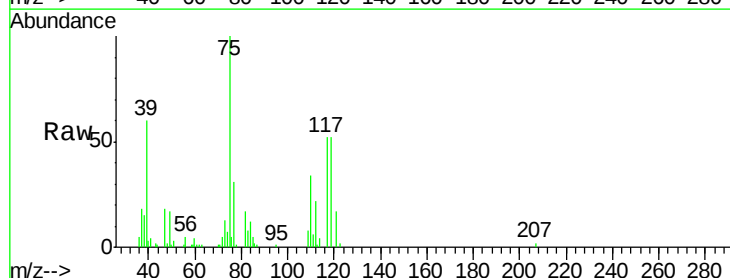
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#36
 1,1-Dichloropropene
 Concen: 17.045 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	17.3	52.0
77	31.0	24.2	36.2





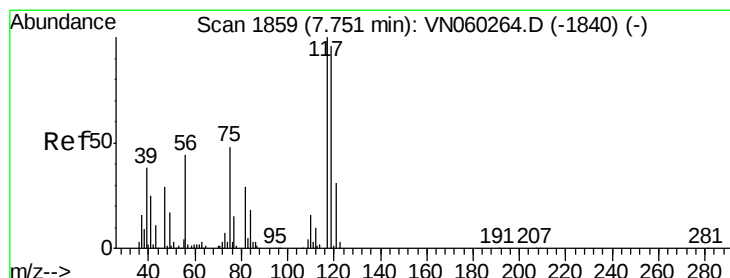
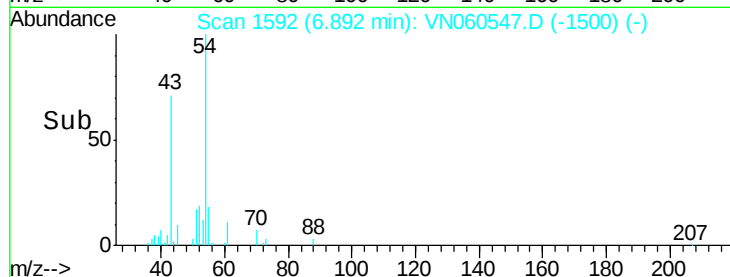
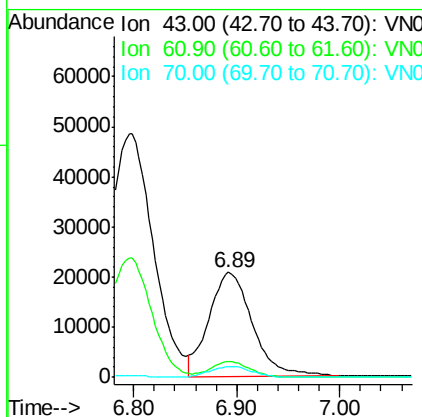
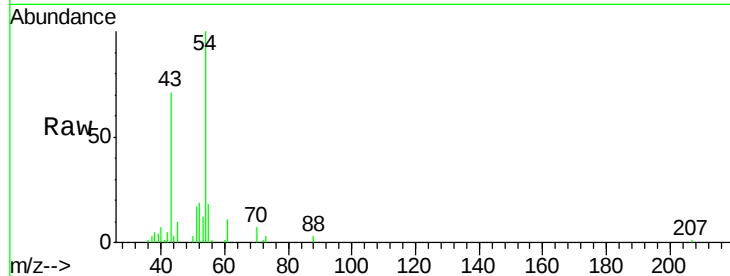
#37
Ethyl Acetate
Concen: 20.277 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	10.2	8.4	12.6

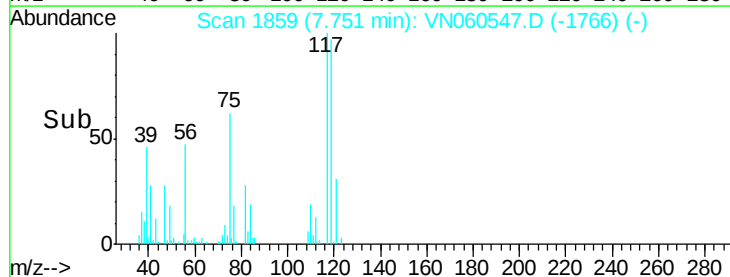
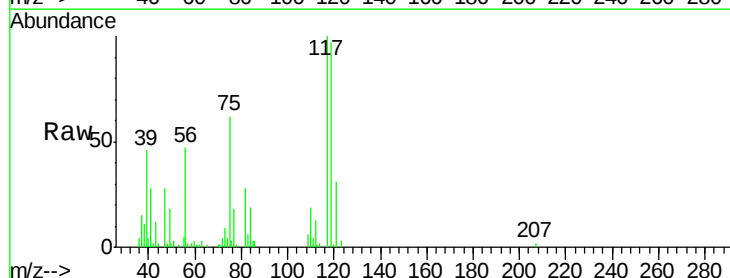
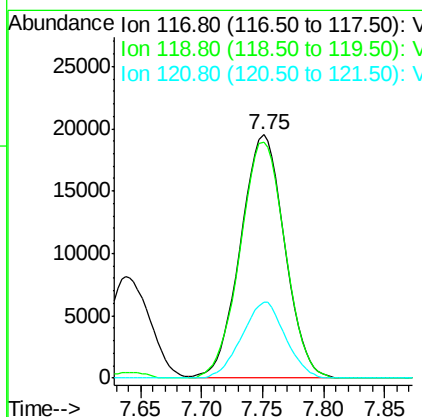
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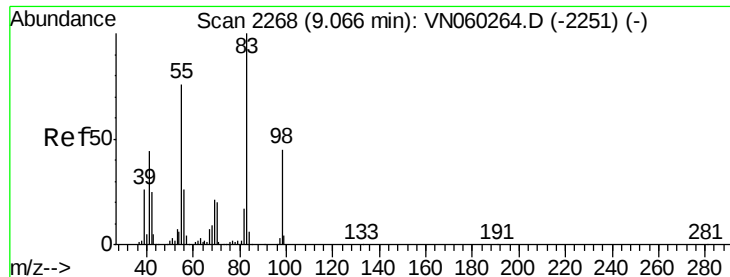
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#38
Carbon Tetrachloride
Concen: 16.014 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.7	115.1
121	31.1	24.5	36.7





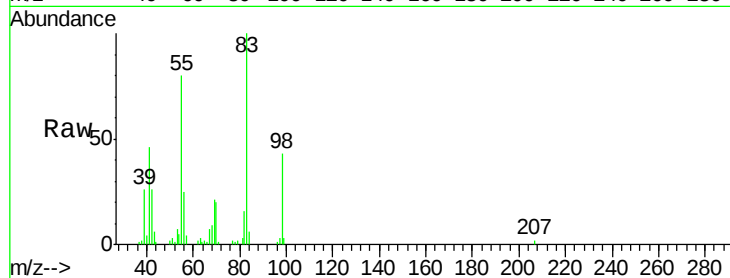
#39
Methvlcvclohexane
Concen: 15.951 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.0	91.4
98	43.4	36.1	54.1

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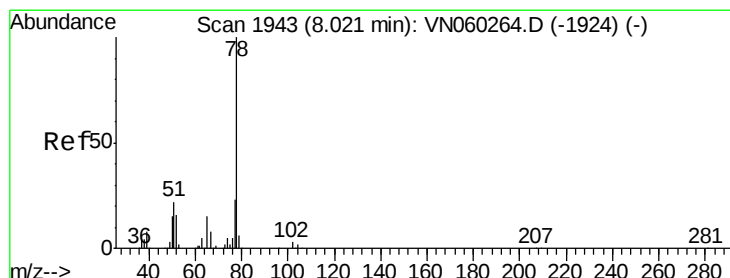
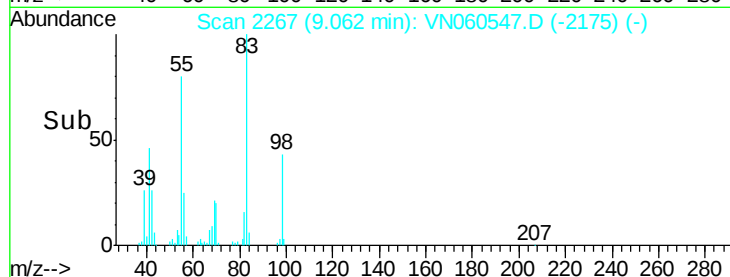
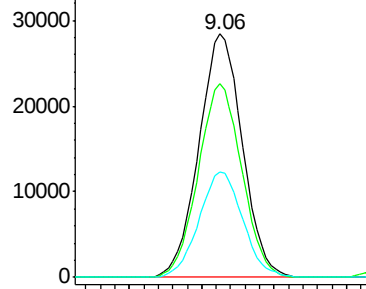
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Abundance Ion 83.00 (82.70 to 83.70): VN060547.D (-2175) (-)

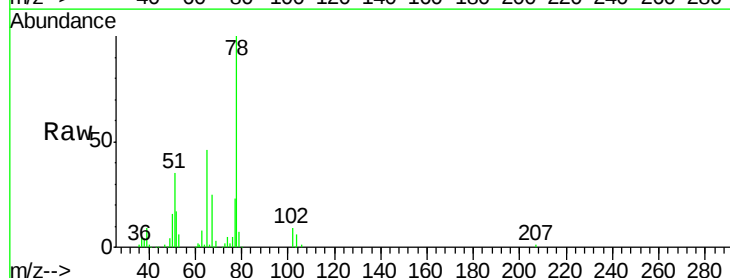
Ion 55.00 (54.70 to 55.70): VN060547.D (-2175) (-)

Ion 98.00 (97.70 to 98.70): VN060547.D (-2175) (-)



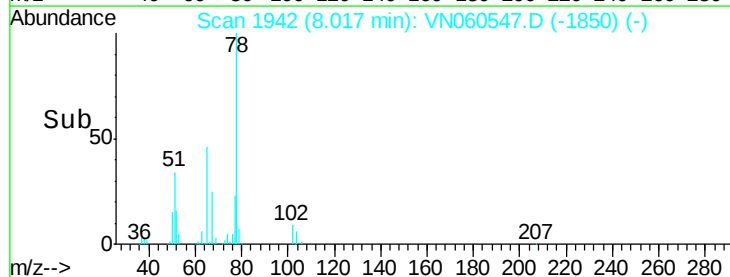
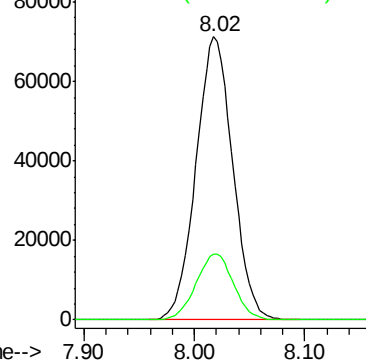
#40
Benzene
Concen: 17.964 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

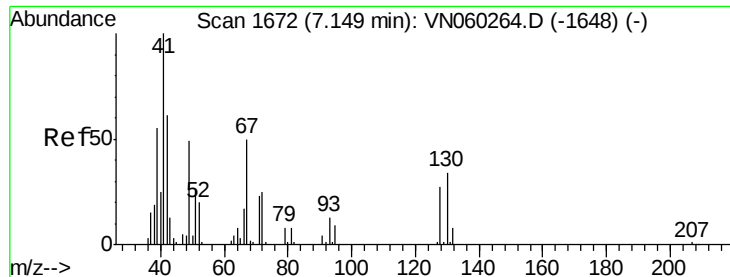
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN060547.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN060547.D (-1850) (-)





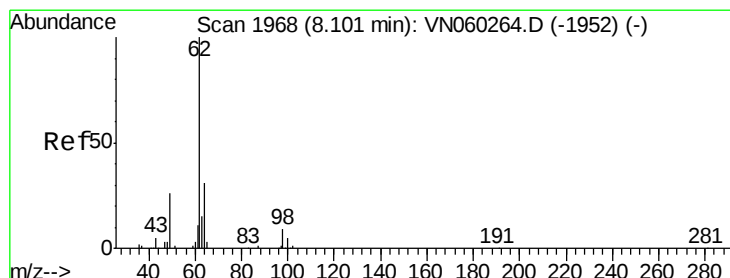
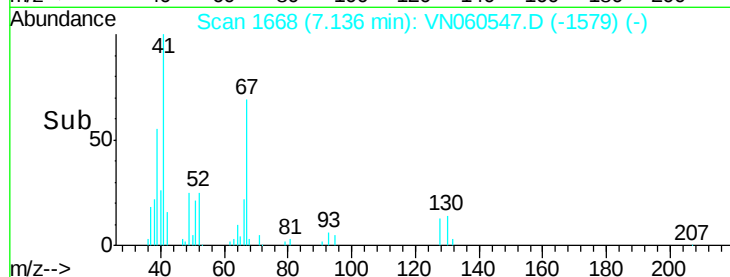
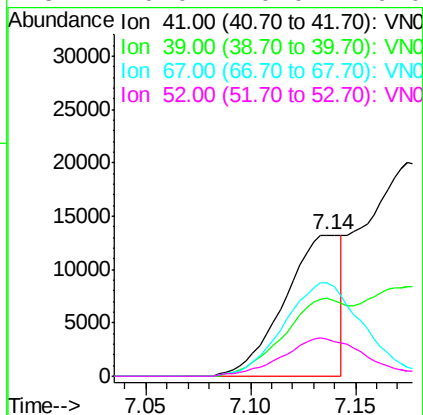
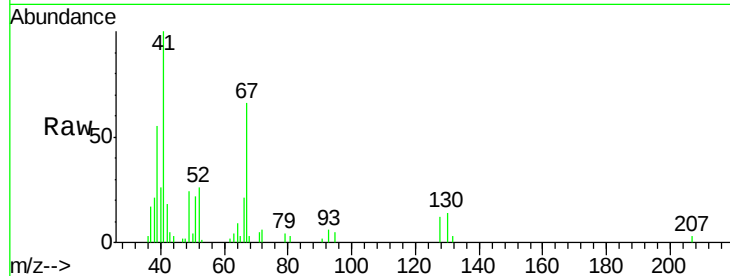
#41
Methacrylonitrile
Concen: 17.976 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot 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

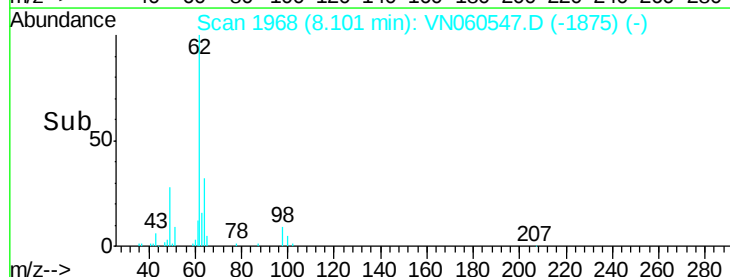
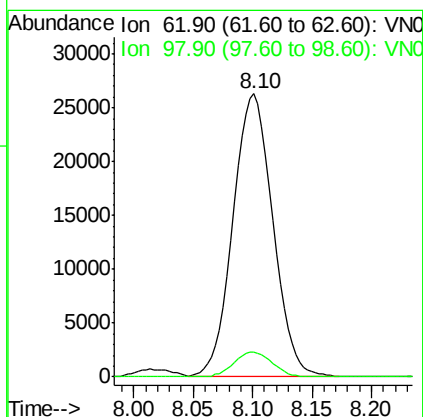
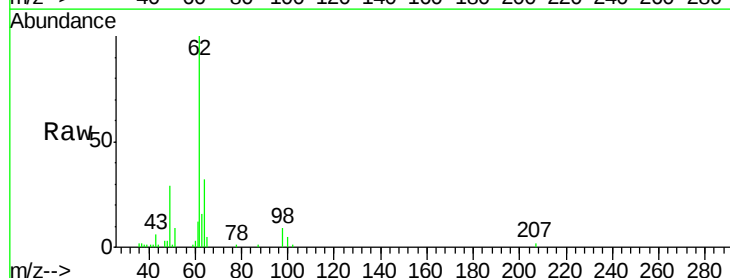
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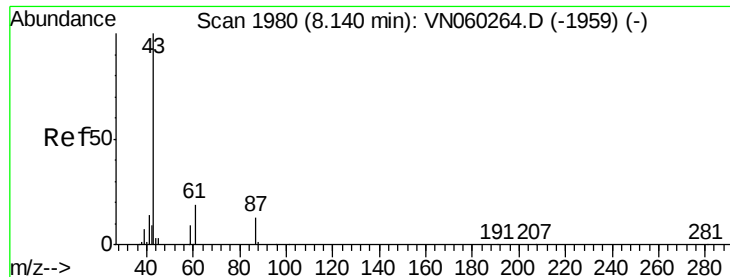
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.556 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

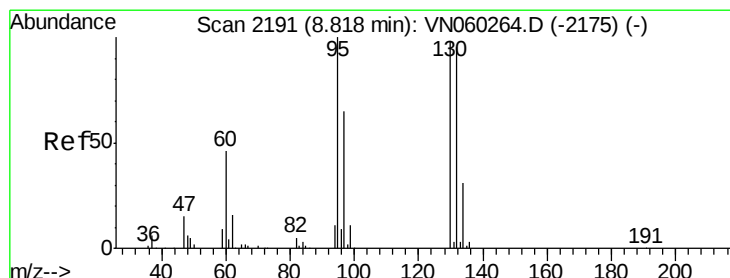
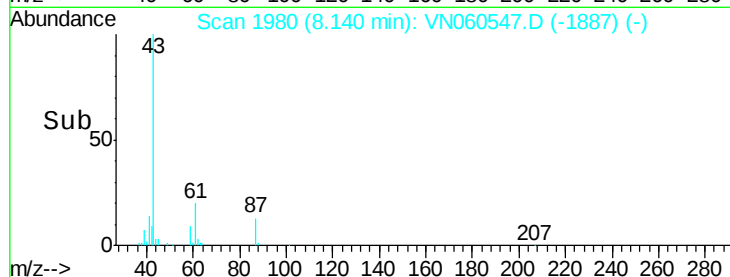
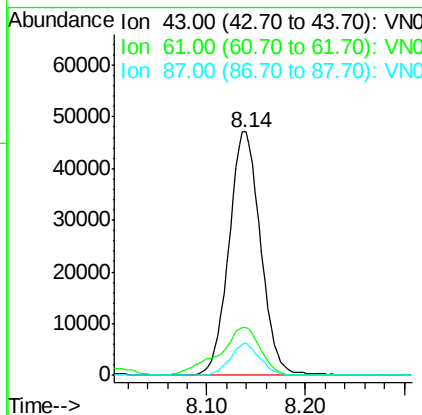
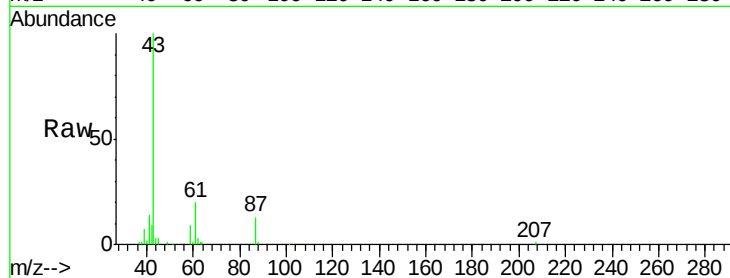
Isopropyl Acetate
 Concen: 20.233 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.9	31.3
87	12.3	10.6	16.0

Manual Integrations
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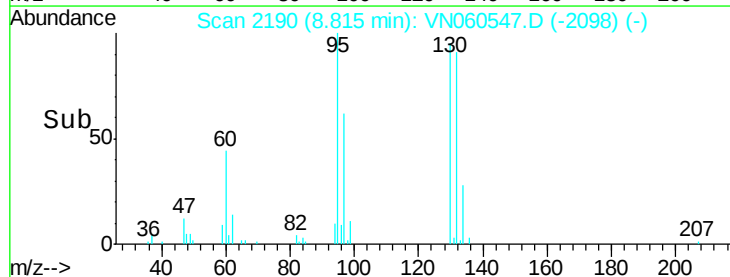
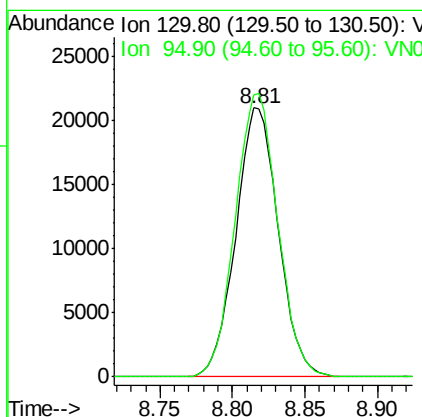
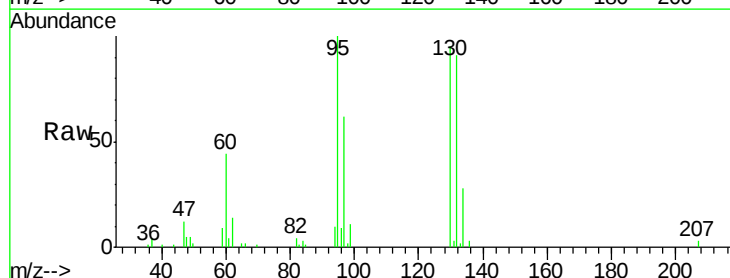
MMDadoda
 3/18/2020 5:34:53 PM

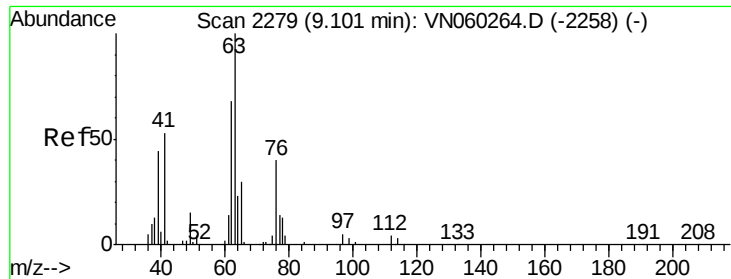


#44

Trichloroethene
 Concen: 16.763 ug/l
 RT: 8.81 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.988 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 63 Resp: 47808

Ion Ratio Lower Upper

63 100

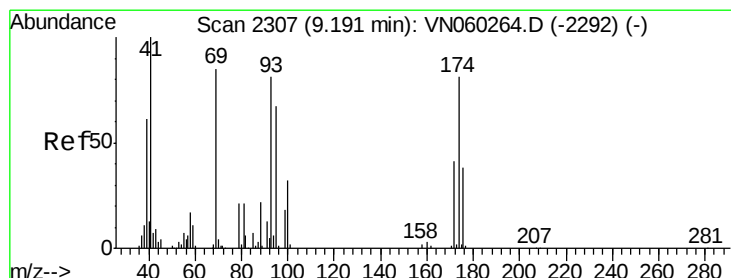
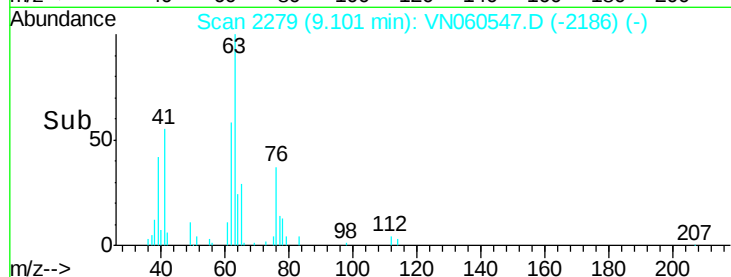
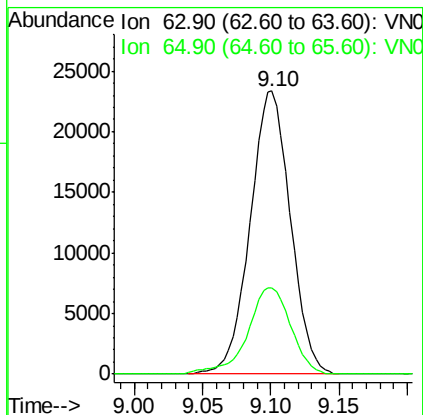
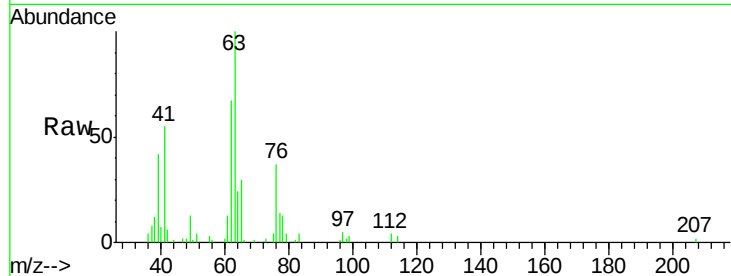
65 30.3 24.4 36.6

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#46

Dibromomethane

Concen: 18.427 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

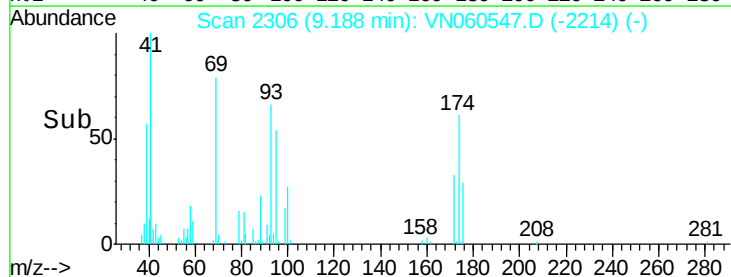
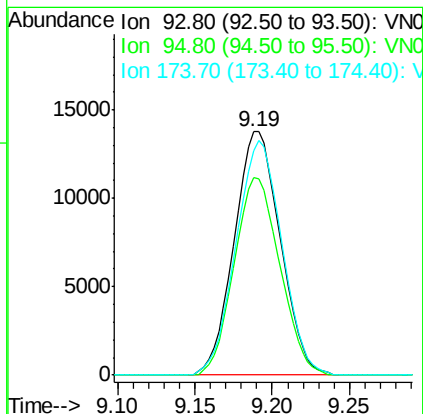
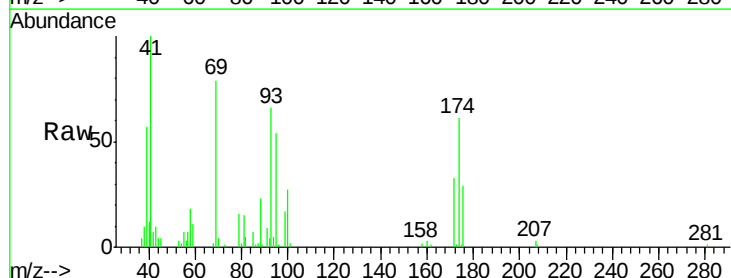
Tgt Ion: 93 Resp: 28599

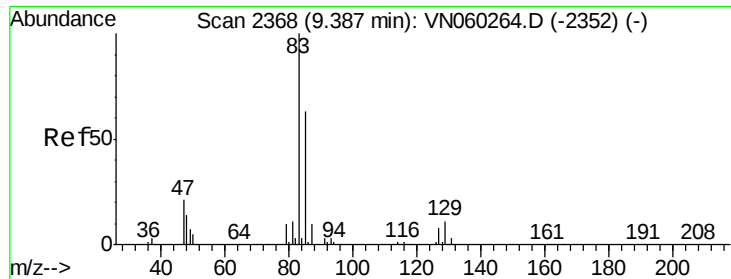
Ion Ratio Lower Upper

93 100

95 80.2 65.9 98.9

174 95.5 79.6 119.4





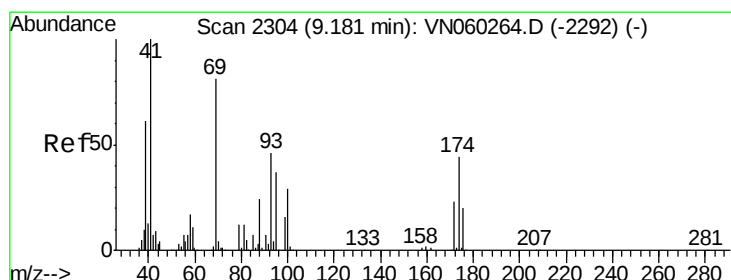
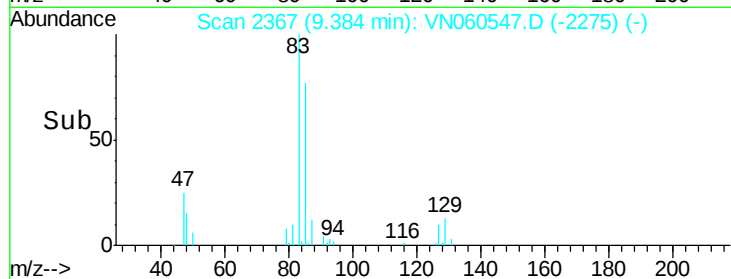
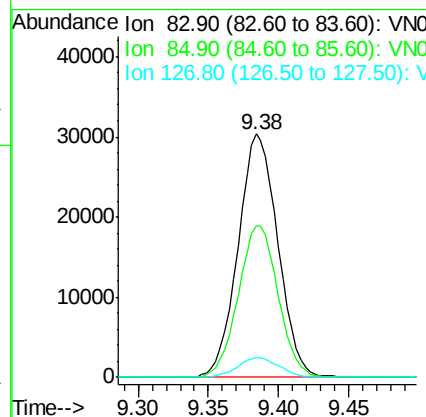
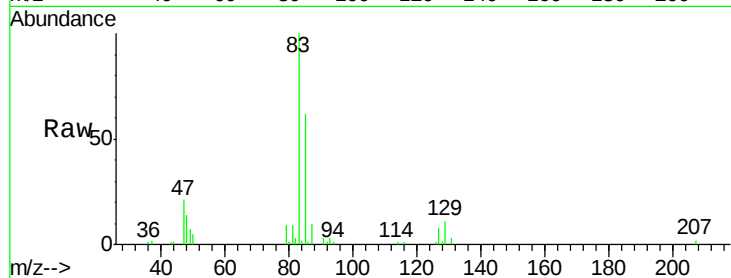
#47
Bromodichloromethane
Concen: 18.967 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	83	Resp	59868
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	50.7	76.1
127	7.9	6.8	10.2

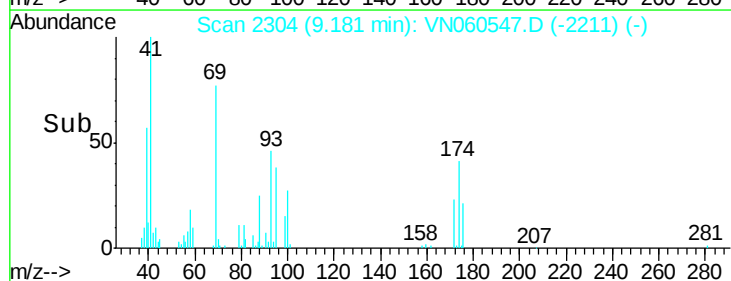
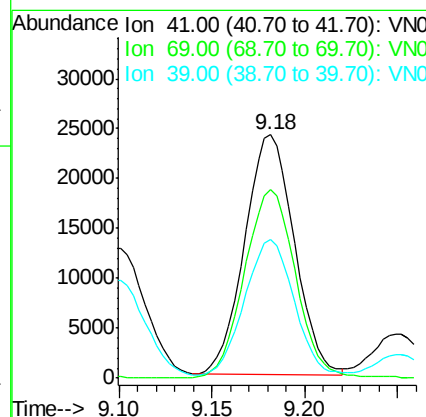
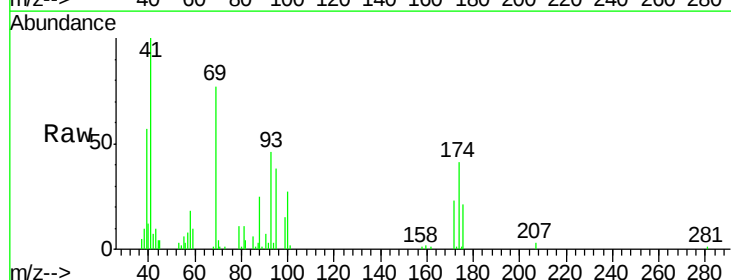
Manual Integrations
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#48
Methyl methacrylate
Concen: 18.899 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	41	Resp	44904
Ion Ratio	100	Lower	Upper
41	100		
69	80.3	66.7	100.1
39	58.9	50.1	75.1





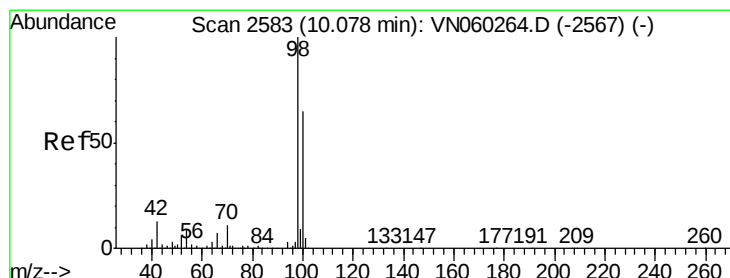
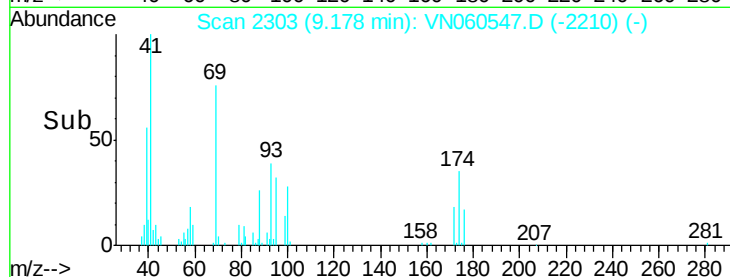
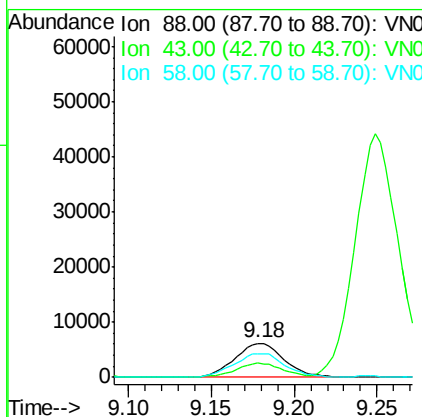
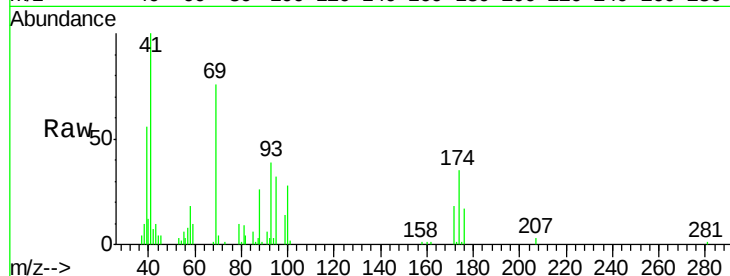
#49
1,4-Dioxane
Concen: 377.917 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	30.4	45.6
58	72.3	57.0	85.6

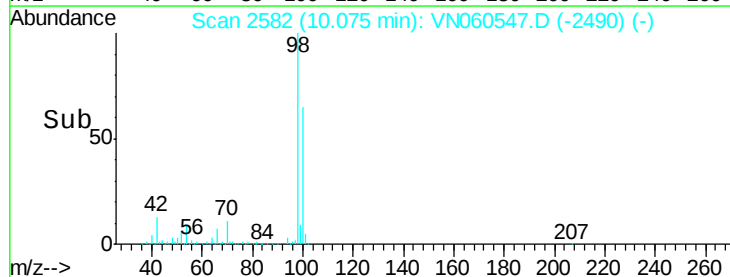
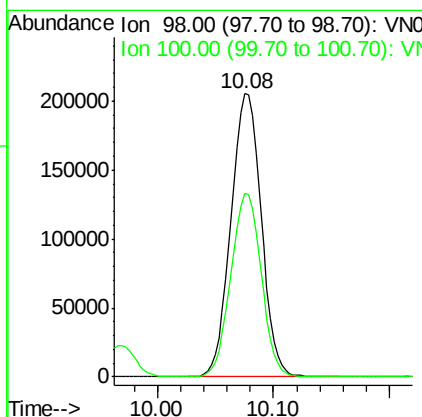
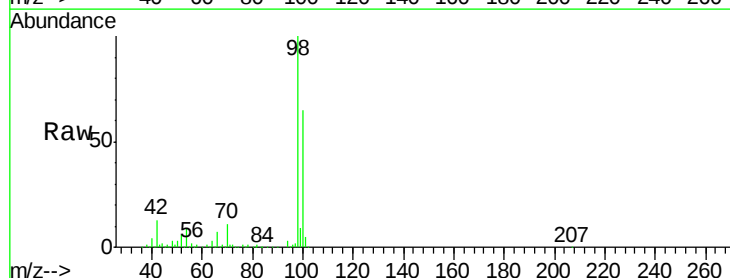
Manual Integrations
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#50
Toluene-d8
Concen: 47.873 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 102.860 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 43 Resp: 303861

Ion Ratio Lower Upper

43 100

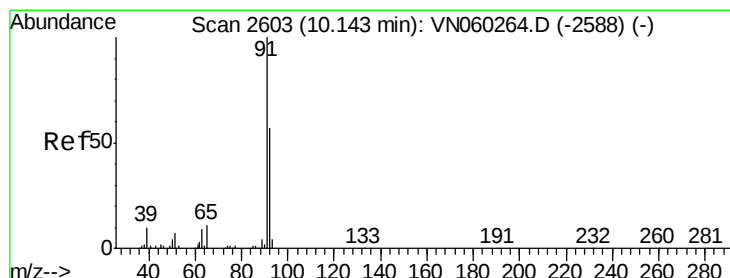
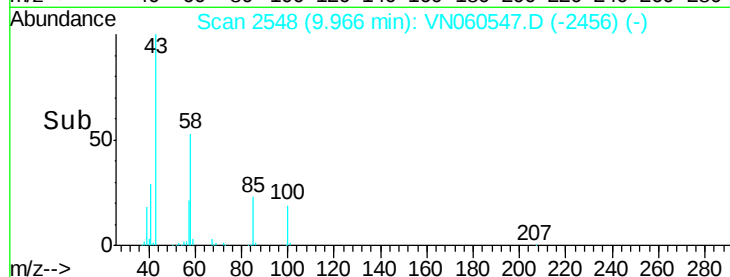
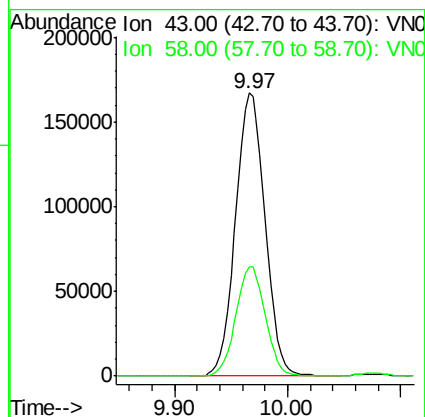
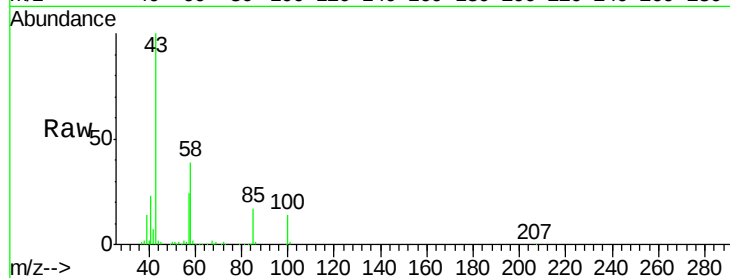
58 38.6 30.9 46.3

Manual Integrations

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#52

Toluene

Concen: 17.472 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060547.D

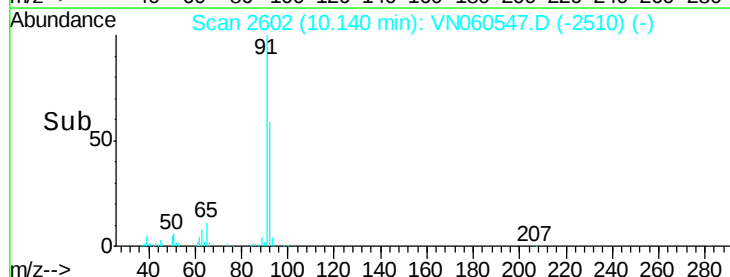
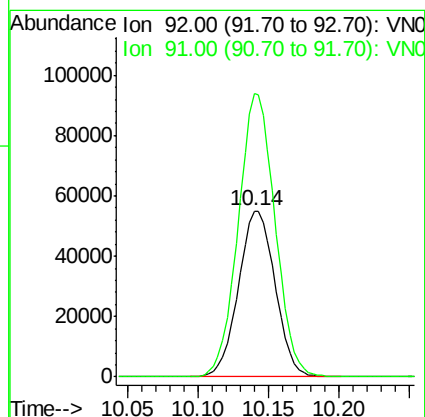
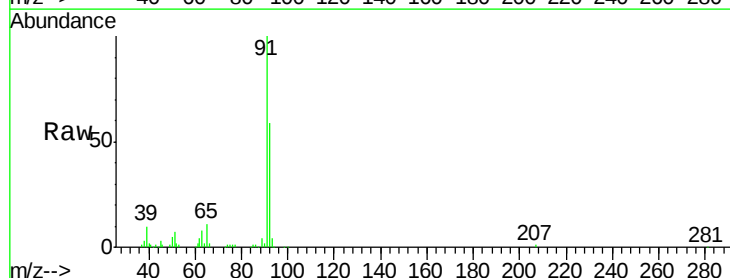
Acq: 17 Mar 2020 11:39

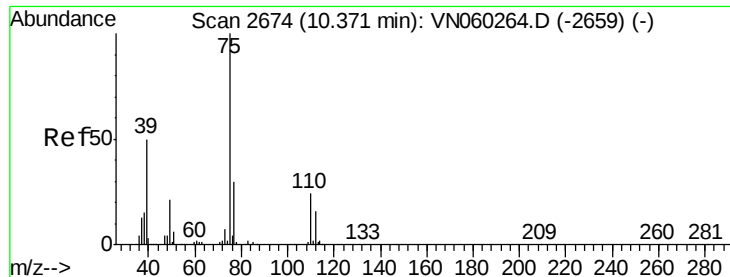
Tgt Ion: 92 Resp: 100404

Ion Ratio Lower Upper

92 100

91 170.9 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 18.182 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 75 Resp: 70324

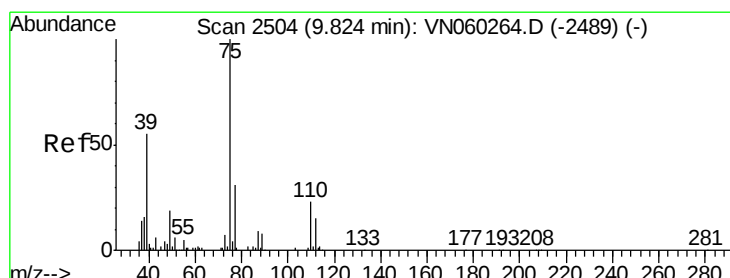
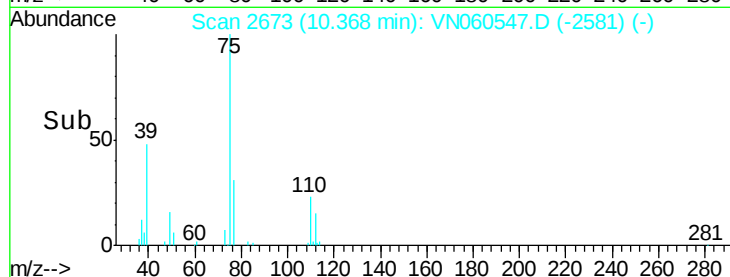
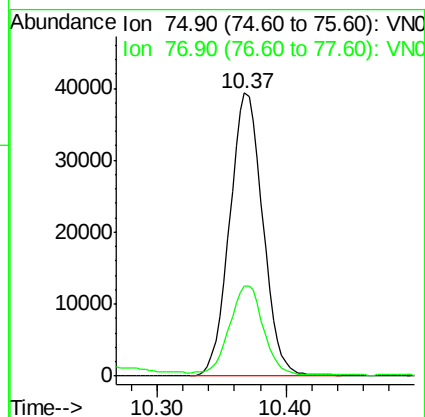
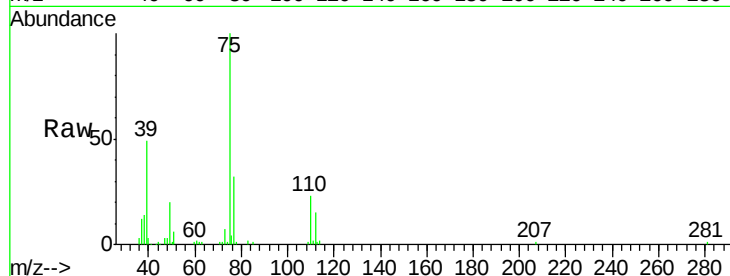
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 18.455 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

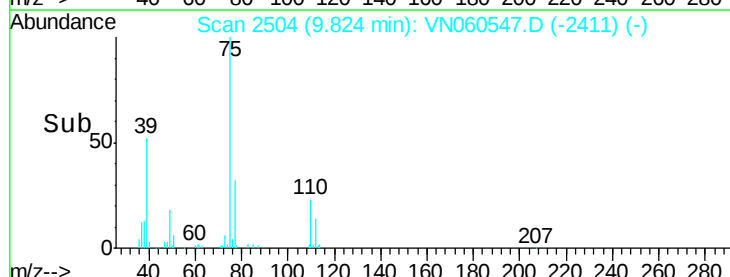
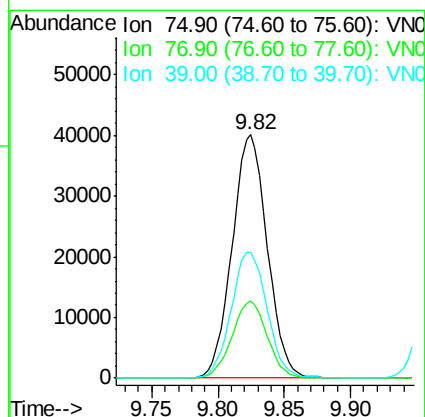
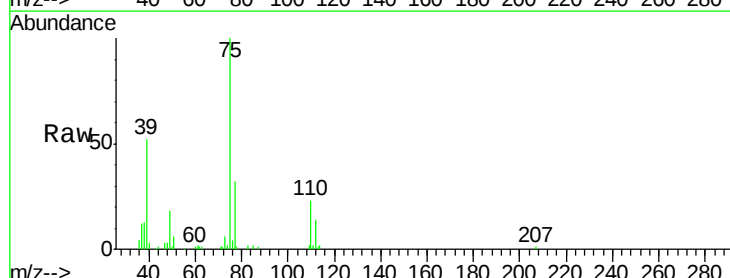
Tgt Ion: 75 Resp: 73965

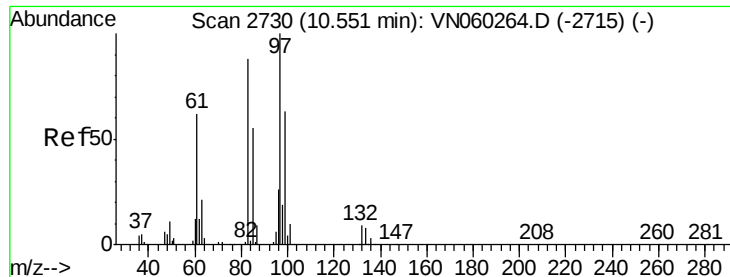
Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 51.6 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 18.403 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 97 Resp: 42528

Ion Ratio Lower Upper

97 100

83 89.1 70.0 105.0

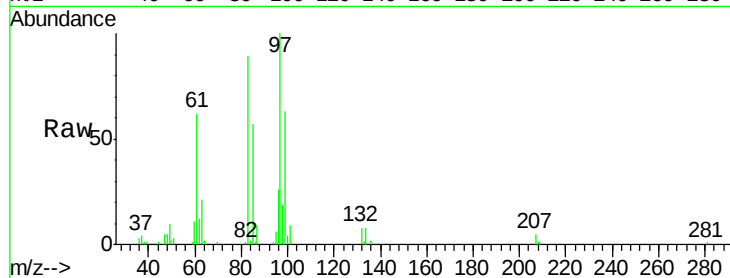
85 57.0 44.0 66.0

99 63.2 50.4 75.6

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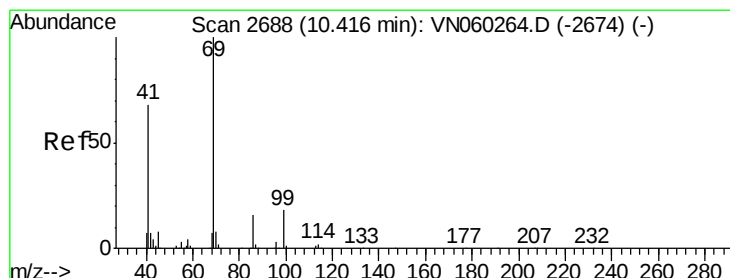
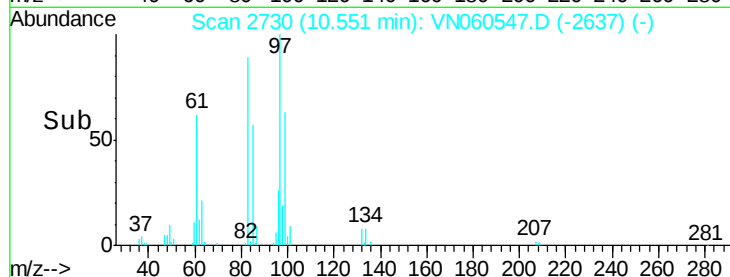
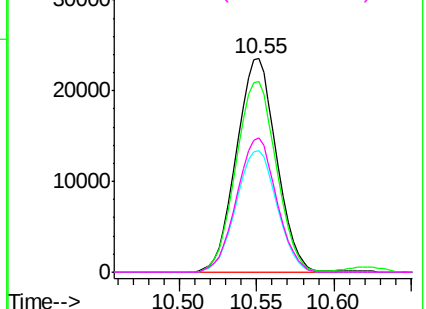


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.977 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

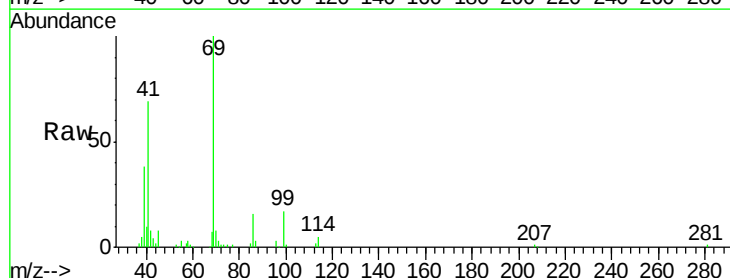
Tgt Ion: 69 Resp: 63005

Ion Ratio Lower Upper

69 100

41 70.5 54.1 81.1

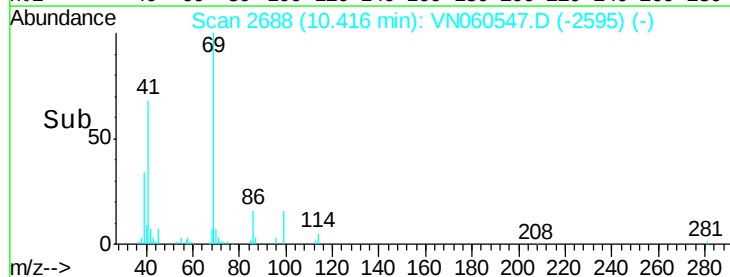
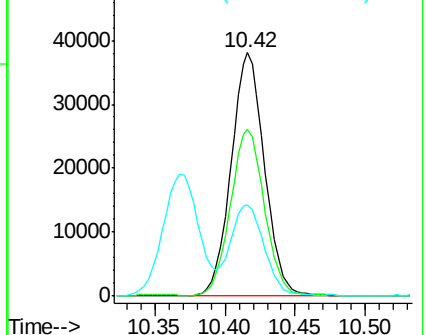
39 37.9 32.5 48.7

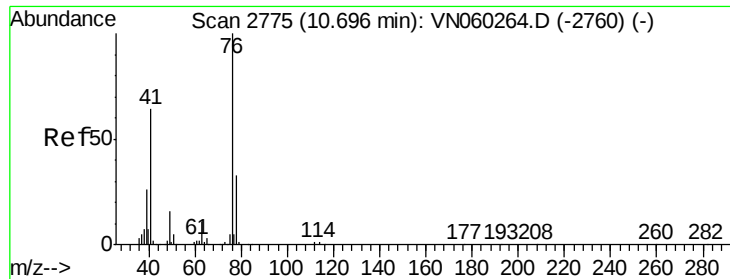


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.217 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 76 Resp: 72425

Ion Ratio Lower Upper

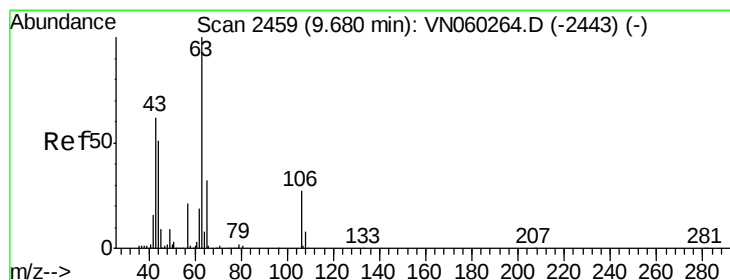
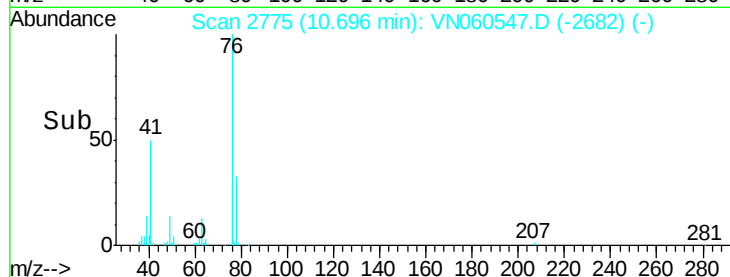
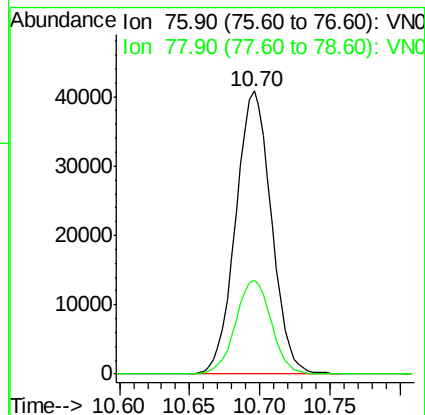
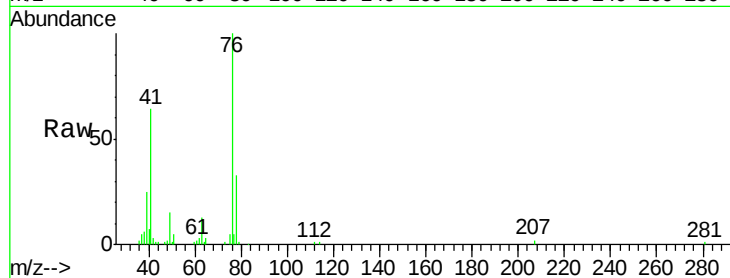
76 100

78 32.9 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 92.814 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060547.D

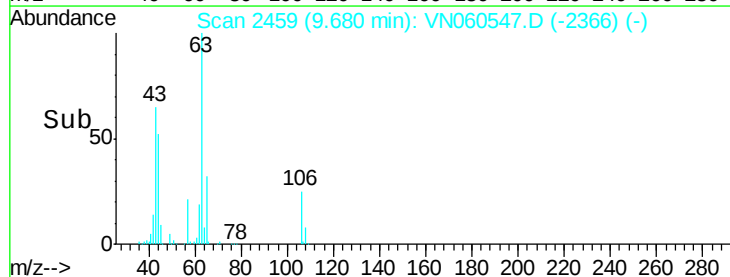
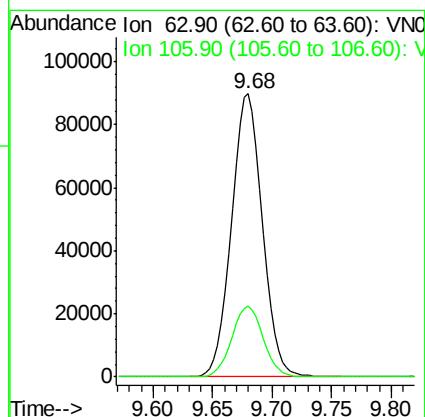
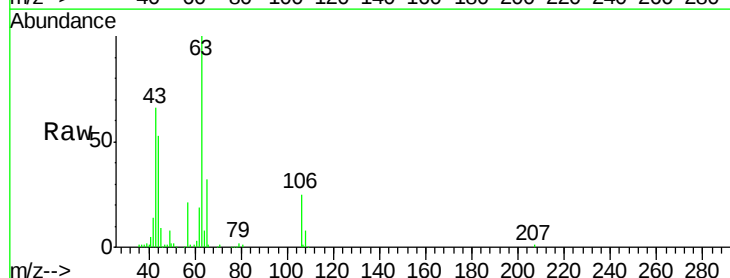
Acq: 17 Mar 2020 11:39

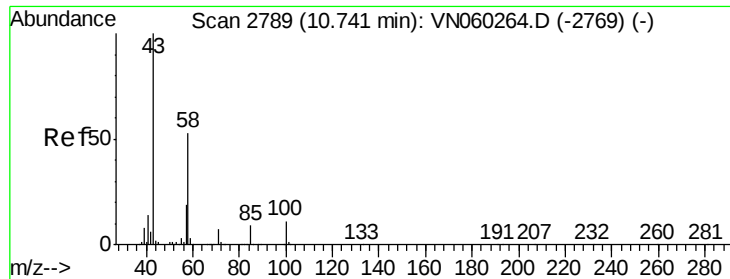
Tgt Ion: 63 Resp: 161162

Ion Ratio Lower Upper

63 100

106 25.4 21.1 31.7





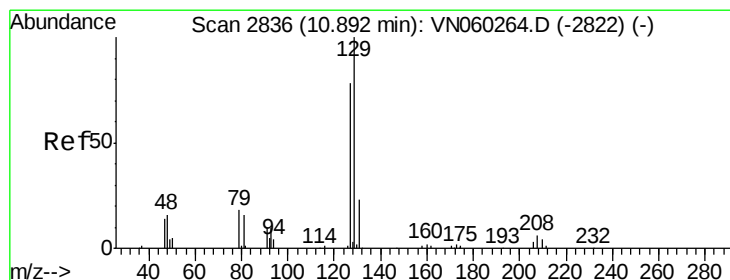
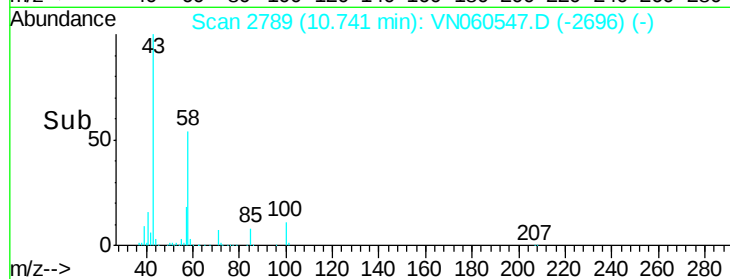
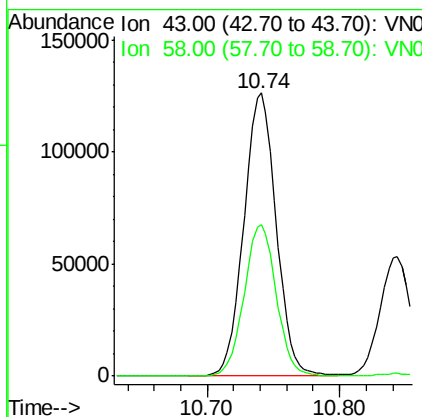
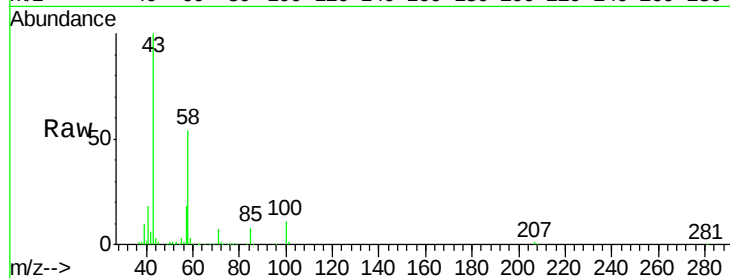
#59
2-Hexanone
Concen: 98.595 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.5	79.5

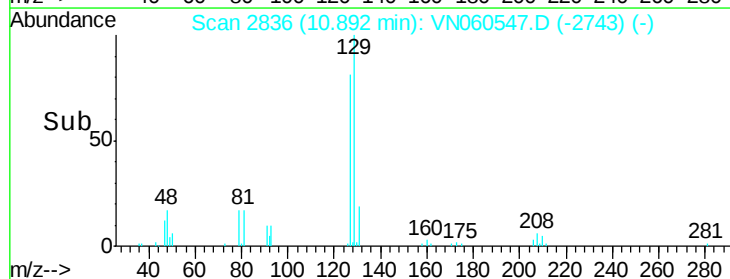
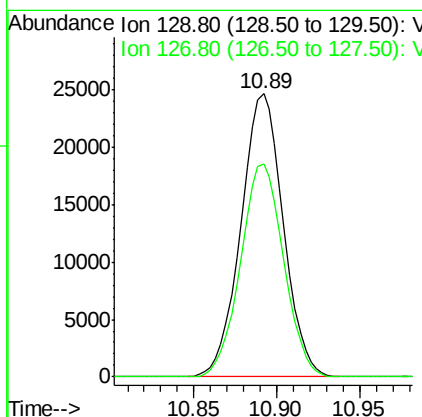
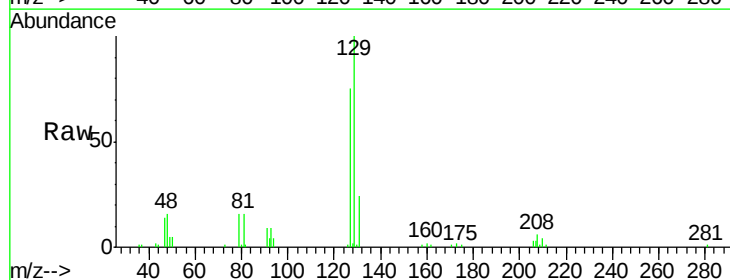
Manual Integrations
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3/18/2020 5:34:53 PM



#60
Dibromochloromethane
Concen: 18.592 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.9	116.7





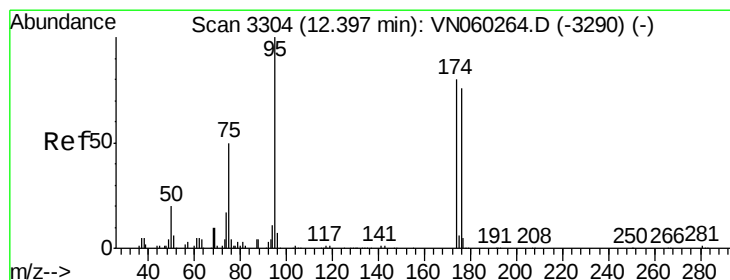
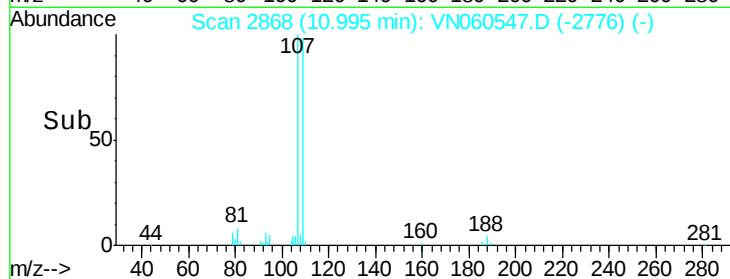
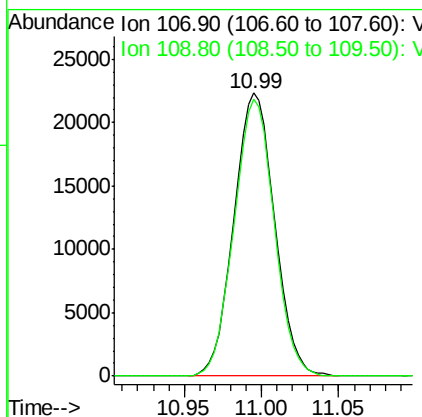
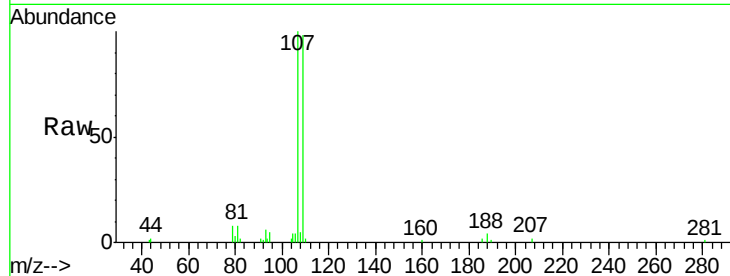
#61
 1,2-Dibromoethane
 Concen: 18.121 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Tot Ion: 107 Resp: 40822
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.8 115.2

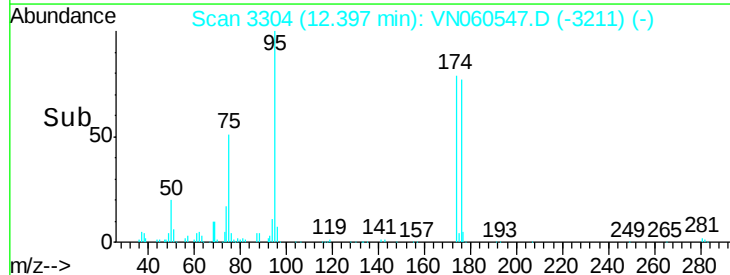
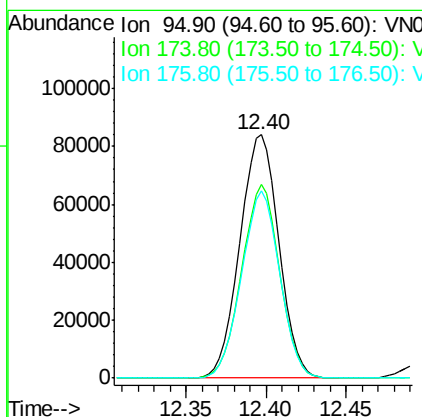
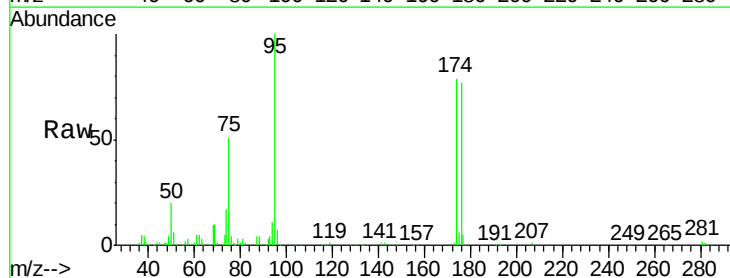
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#62
 4-Bromofluorobenzene
 Concen: 47.642 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Tgt Ion: 95 Resp: 139921
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 159.2
 176 75.3 0.0 153.8





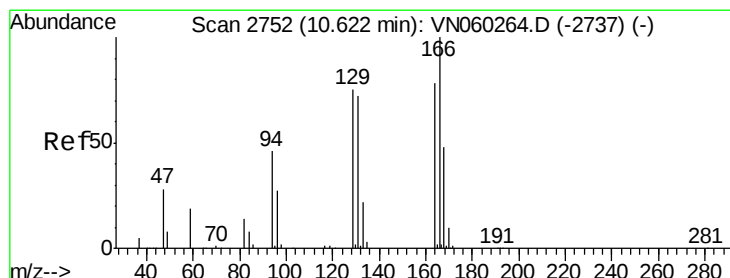
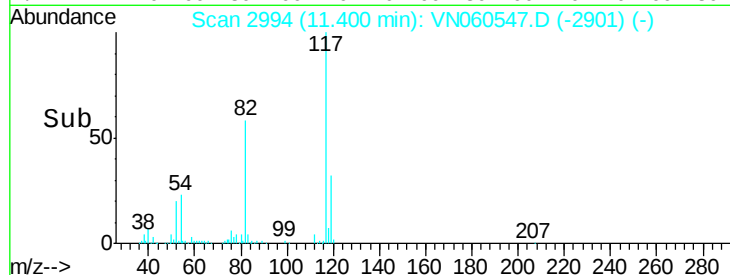
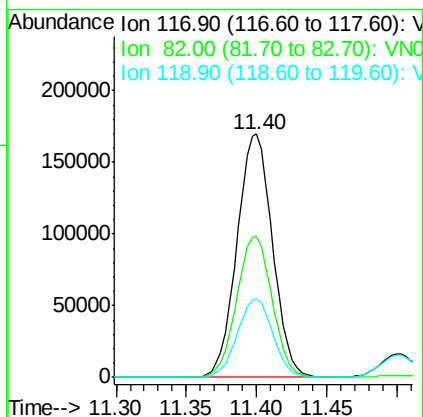
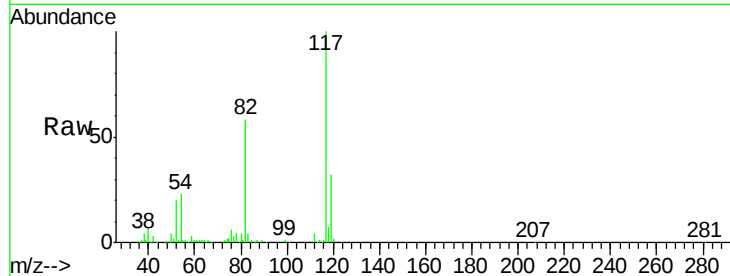
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299288		
82	57.8	45.8	68.6	
119	32.5	25.8	38.8	

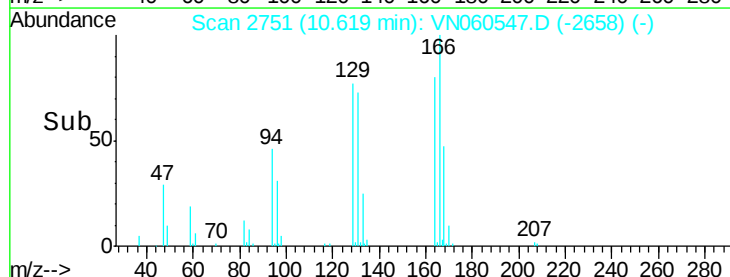
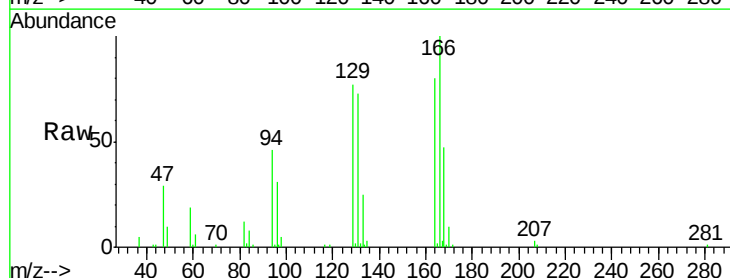
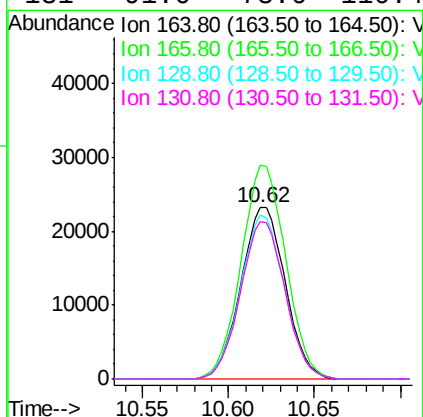
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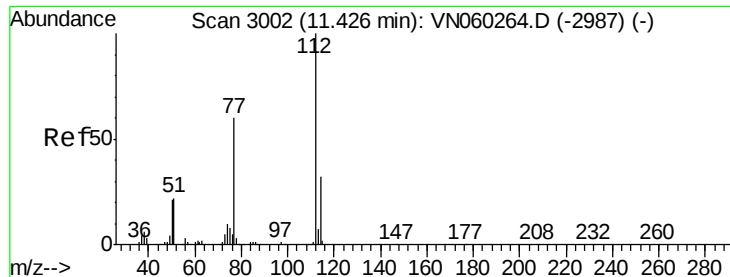
MMDadoda
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#64
Tetrachloroethene
Concen: 16.704 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41581		
166	124.7	102.0	153.0	
129	95.5	76.4	114.6	
131	91.6	73.6	110.4	





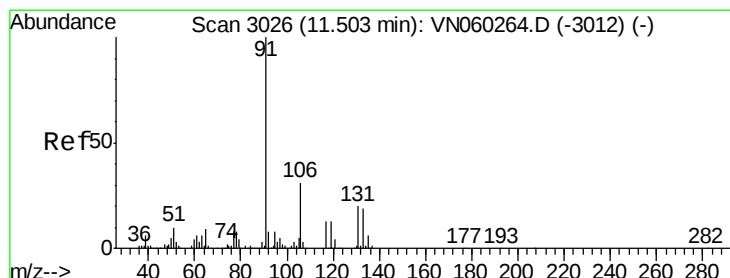
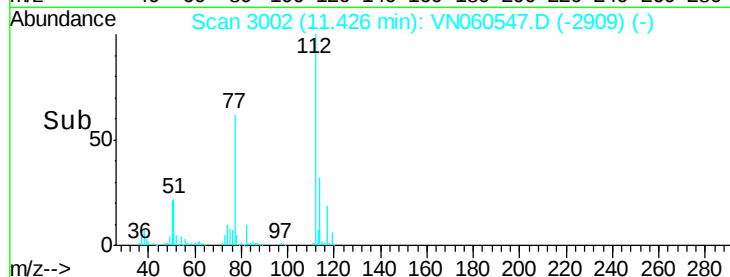
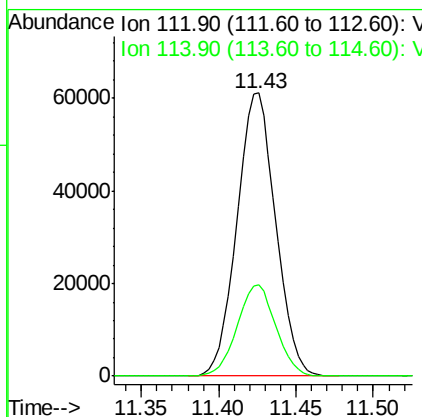
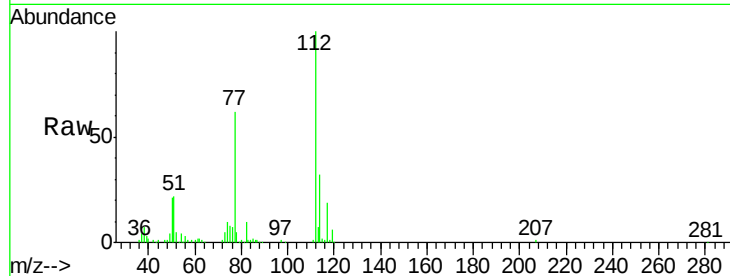
#65
Chlorobenzene
Concen: 17.578 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.0

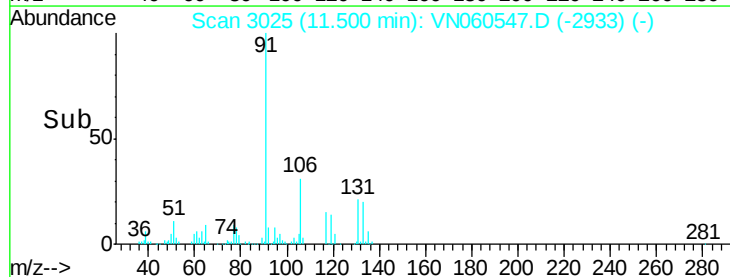
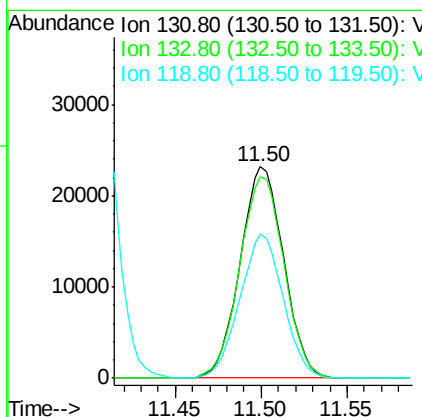
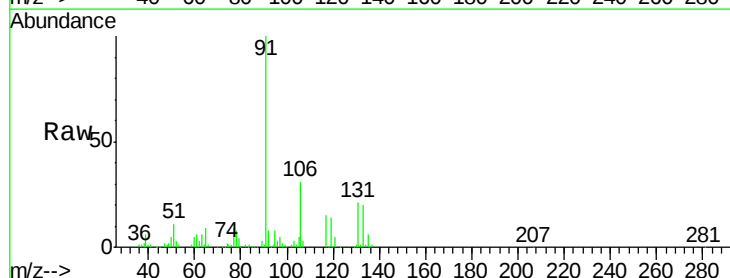
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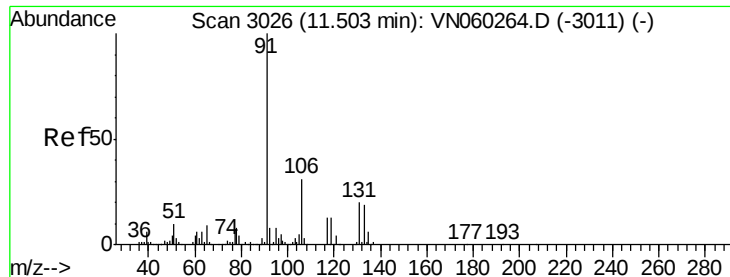
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.224 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.7	143.1
119	67.5	33.2	99.6





#67

Ethyl Benzene

Concen: 17.460 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0317WBSD01

Tot Ion: 91 Resp: 192159

Ion Ratio Lower Upper

91 100

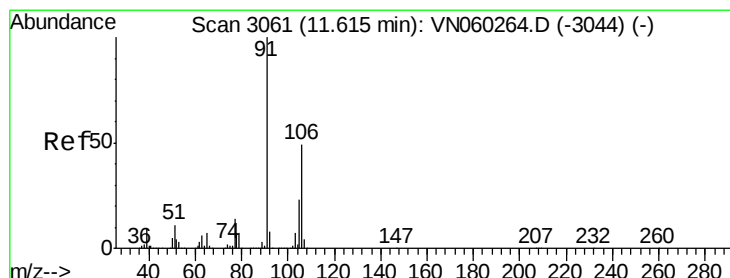
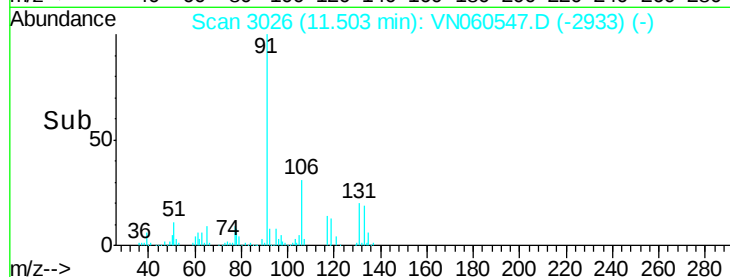
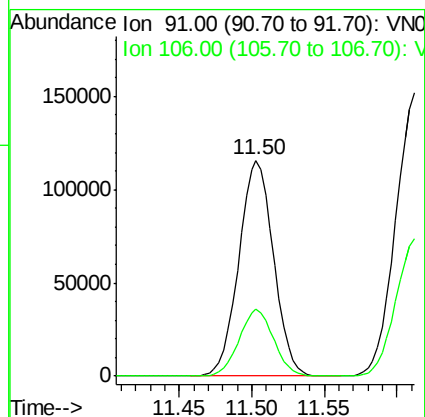
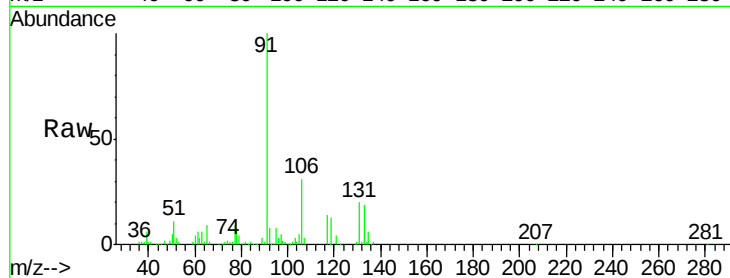
106 30.9 24.7 37.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 34.427 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060547.D

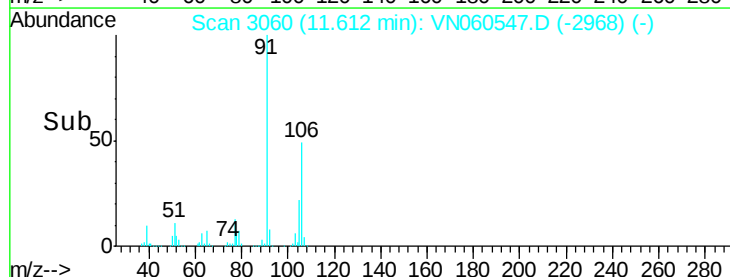
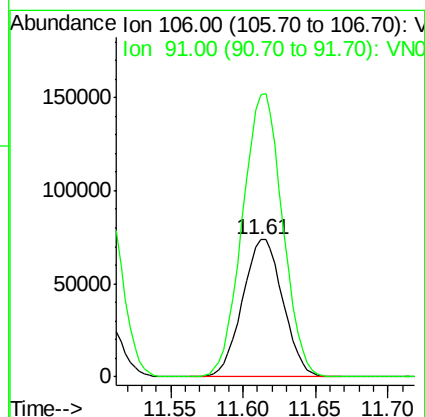
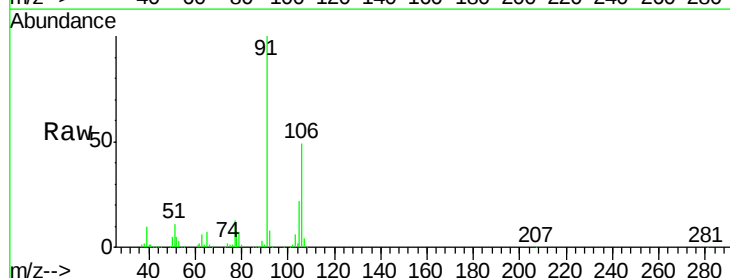
Acq: 17 Mar 2020 11:39

Tgt Ion: 106 Resp: 142950

Ion Ratio Lower Upper

106 100

91 205.2 164.5 246.7





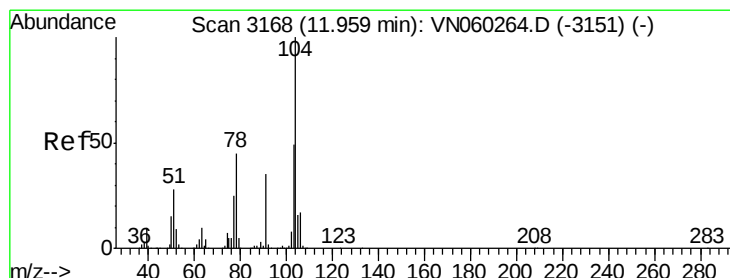
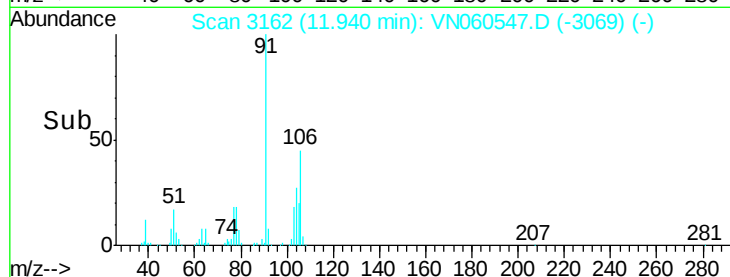
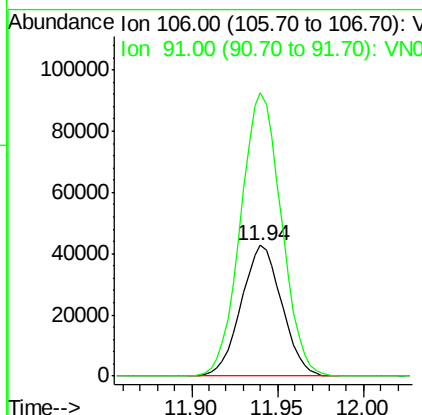
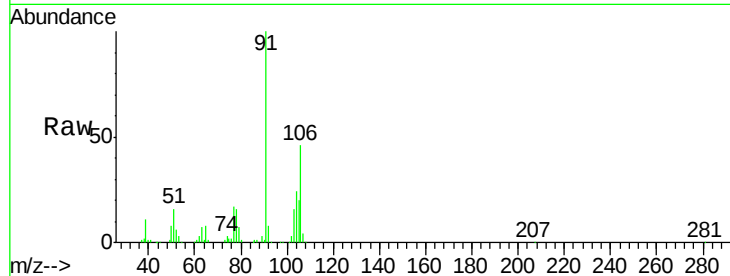
#69
o-Xylene
Concen: 17.741 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion:106 Resp: 70246
Ion Ratio Lower Upper
106 100
91 217.1 109.5 328.4

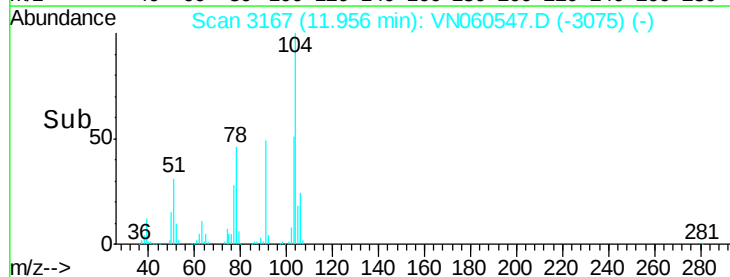
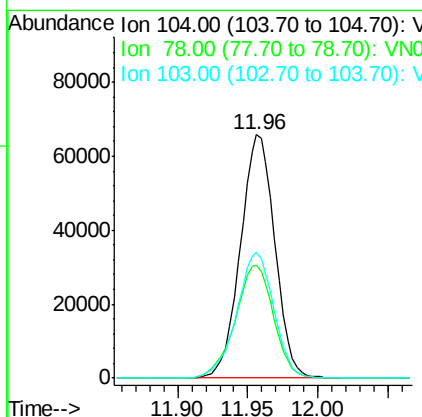
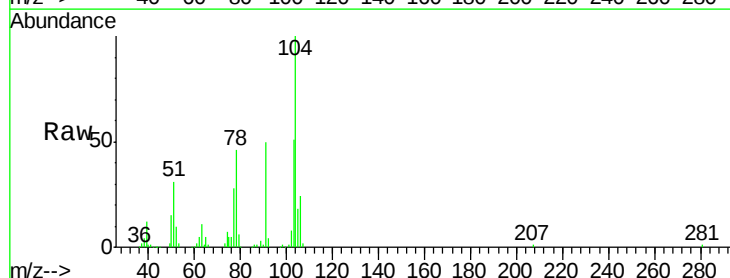
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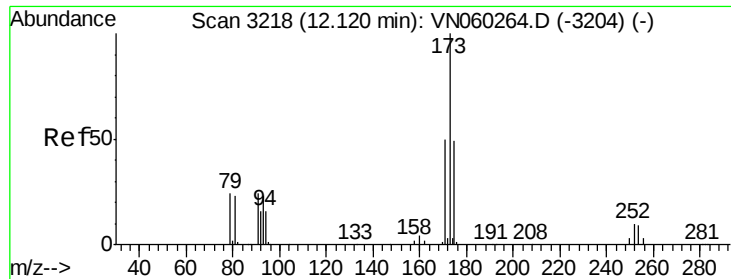
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#70
Styrene
Concen: 17.300 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion:104 Resp: 112621
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 55.4 43.9 65.9





#71

Bromoform

Concen: 18.891 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

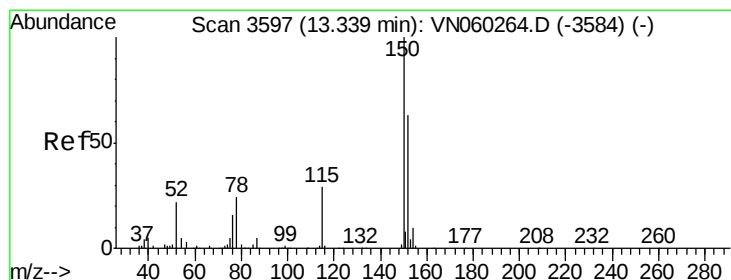
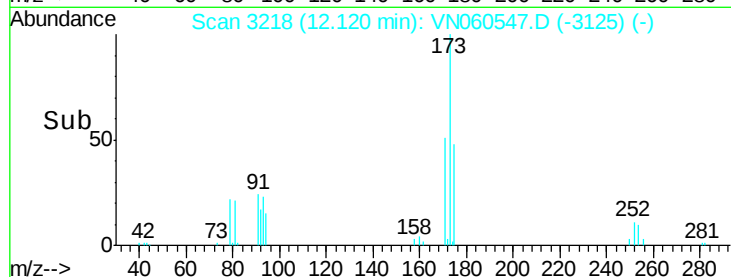
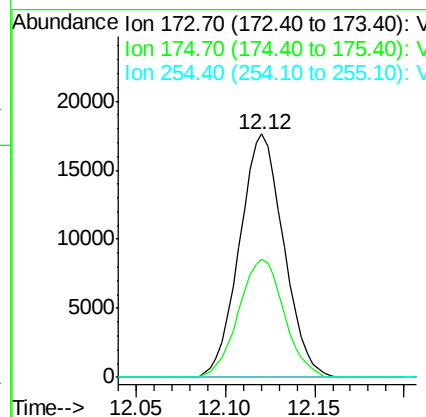
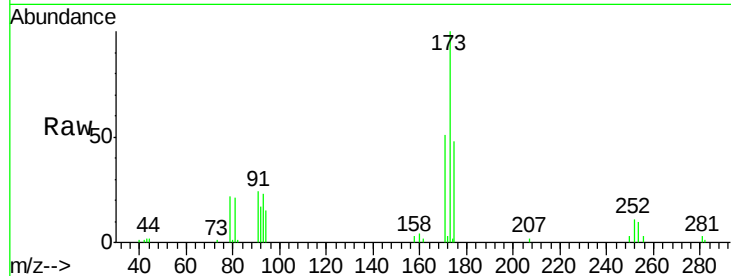
ClientSampleId :

VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.1	72.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

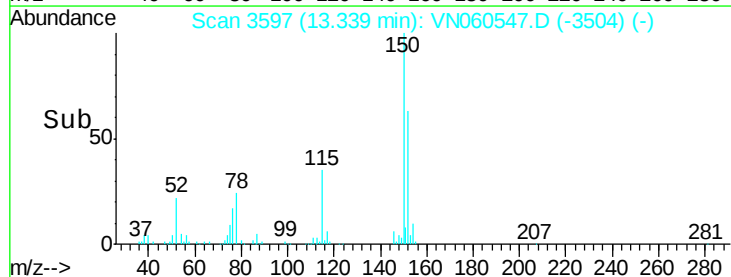
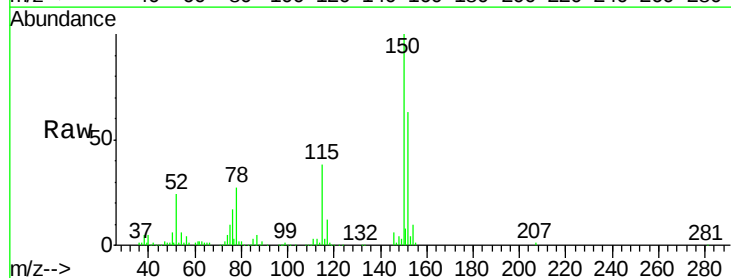
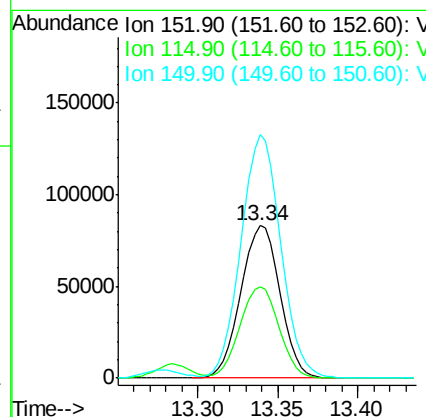
RT: 13.34 min Scan# 3597

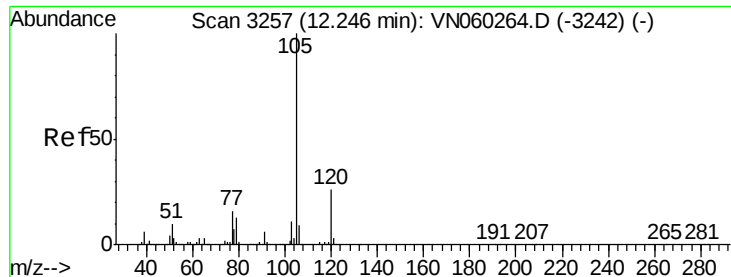
Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.0	90.0
150	163.2	0.0	349.6





#73

Isopropylbenzene

Concen: 18.231 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 105 Resp: 187652

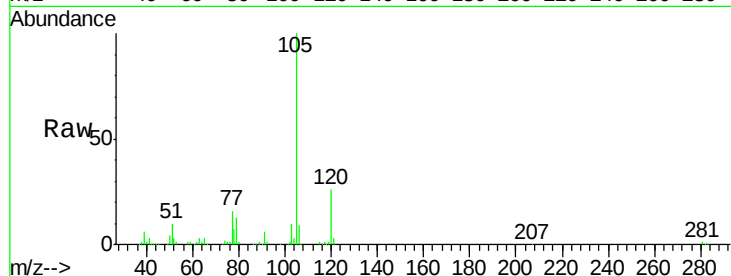
Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9

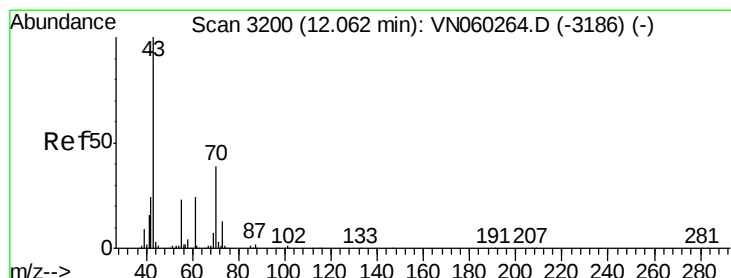
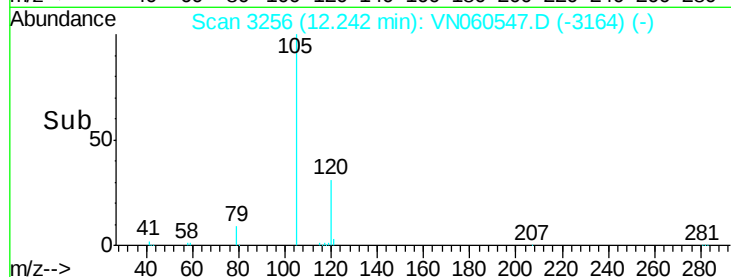
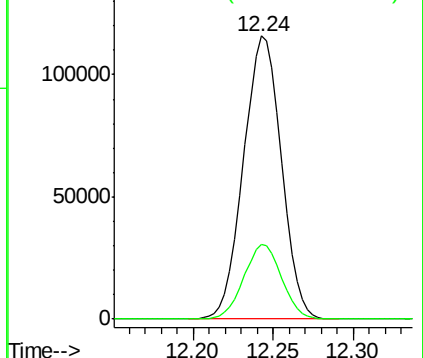
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.952 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion: 43 Resp: 85243

Ion Ratio Lower Upper

43 100

70 40.0 32.2 48.2

55 23.5 18.2 27.4

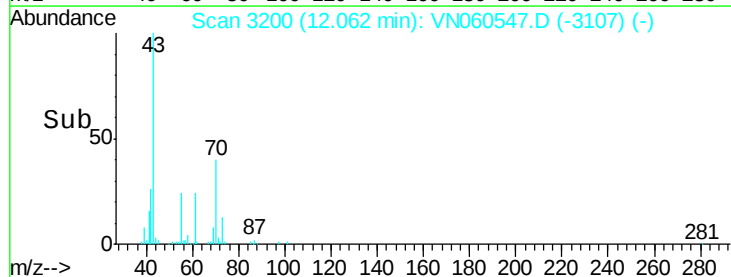
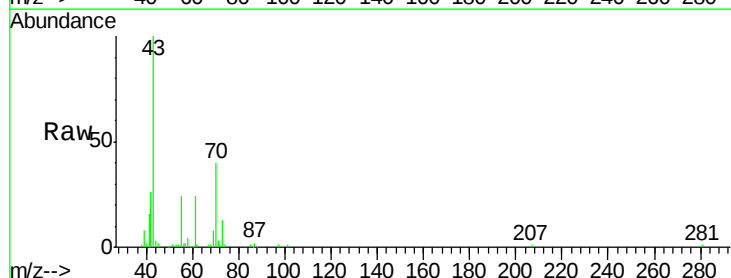
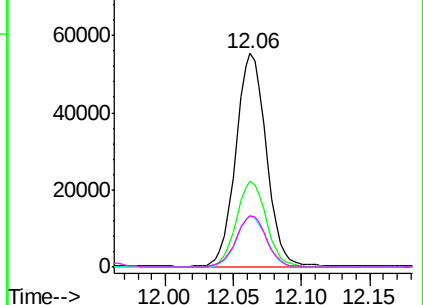
61 24.1 19.2 28.8

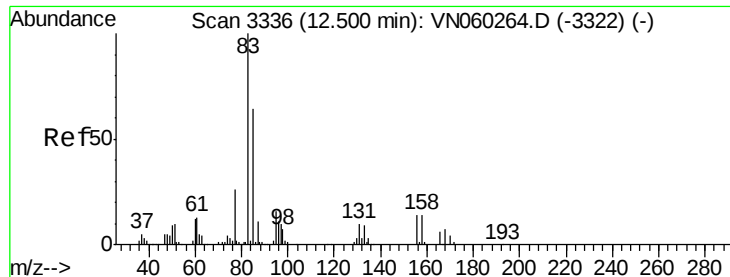
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.155 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

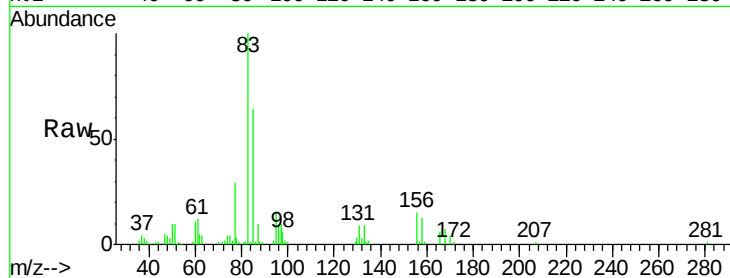
ClientSampleId :

VN0317WBSD01

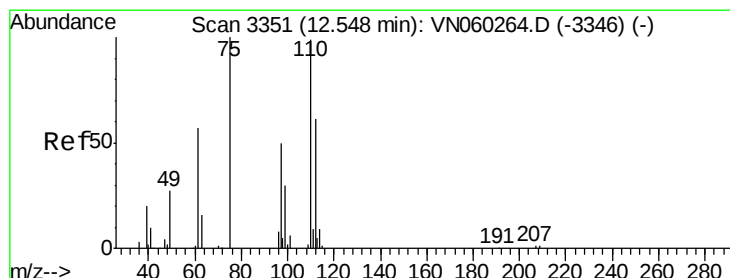
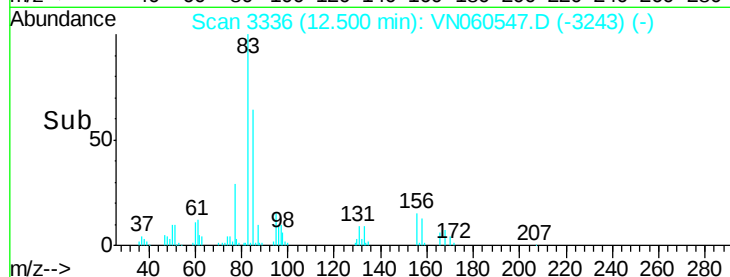
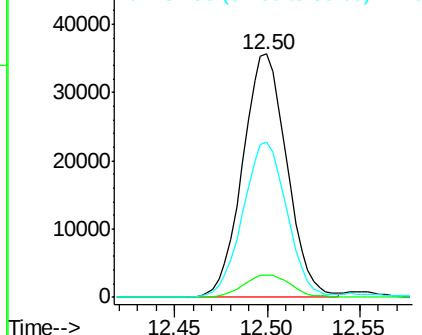
Tot Ion:	83	Resp:	59188
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	63.5	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060547.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 17.812 ug/l m

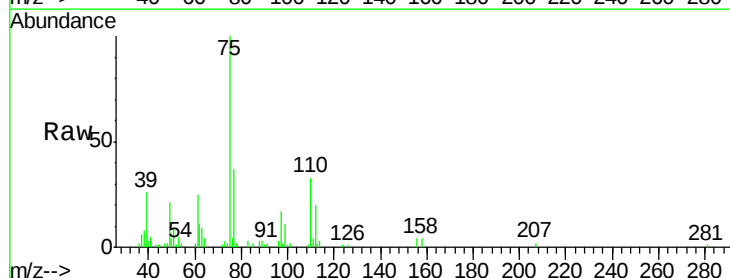
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

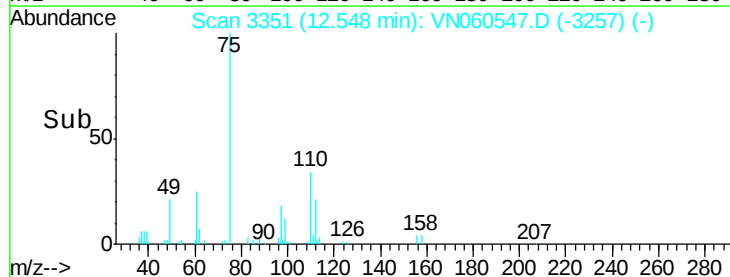
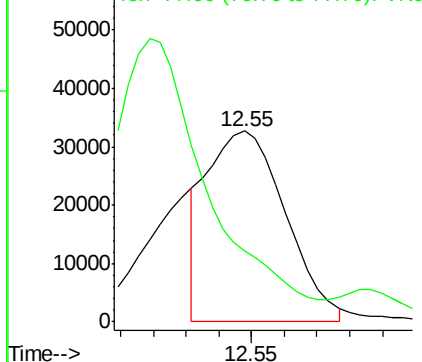
Lab File: VN060547.D

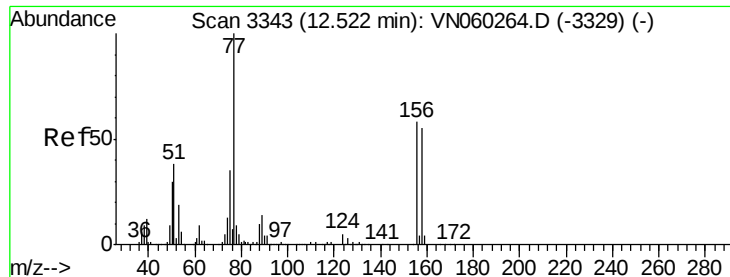
Acq: 17 Mar 2020 11:39

Tgt Ion:	75	Resp:	54270
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060547.D (-3257) (-)





#77

Bromobenzene

Concen: 18.022 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

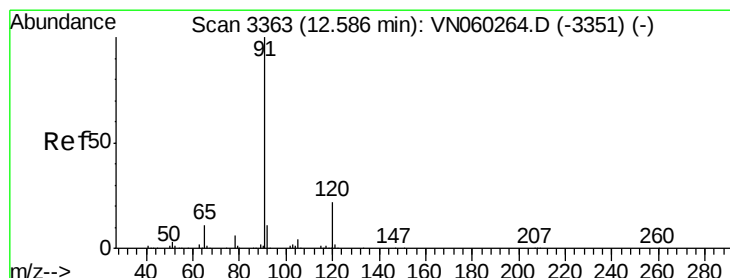
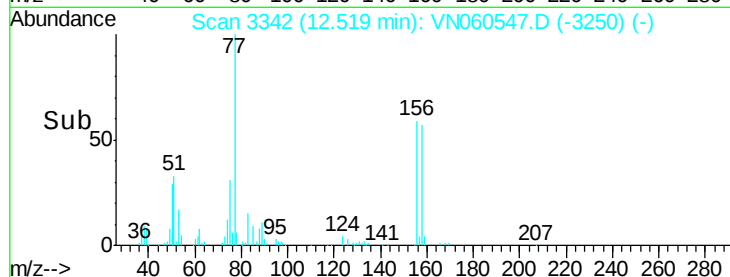
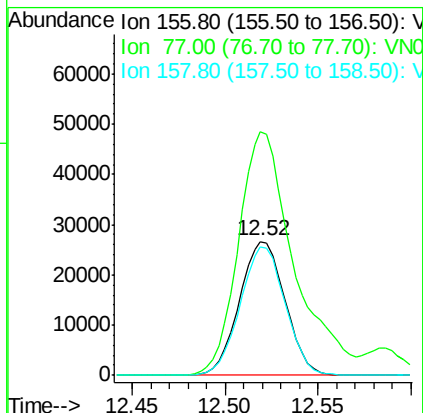
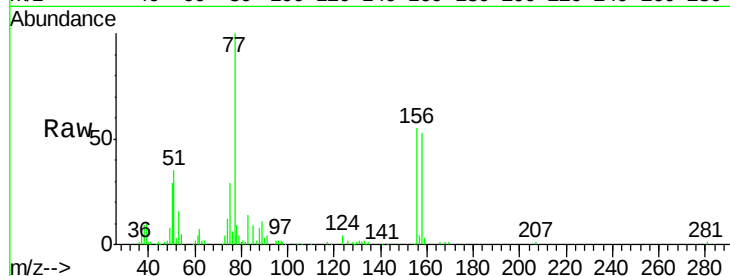
ClientSampleId :

VN0317WBSD01

Tot Ion:	156	Resp:	45471
Ion Ratio	Lower	Upper	
156	100		
77	222.3	106.1	318.3
158	95.2	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.077 ug/l

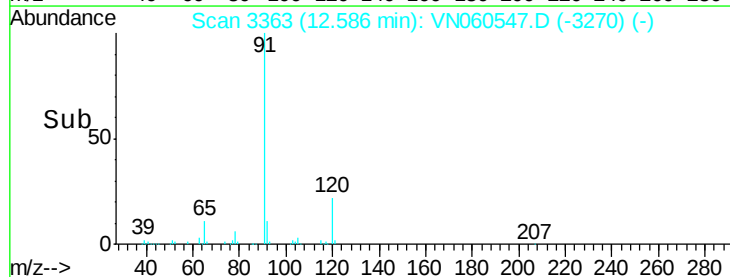
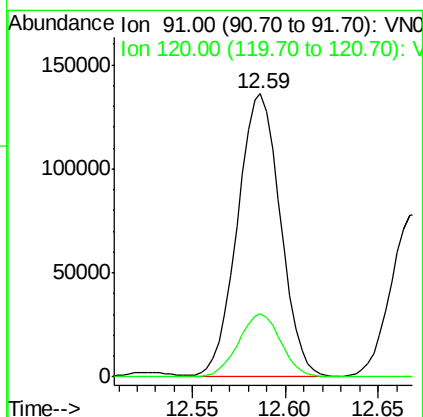
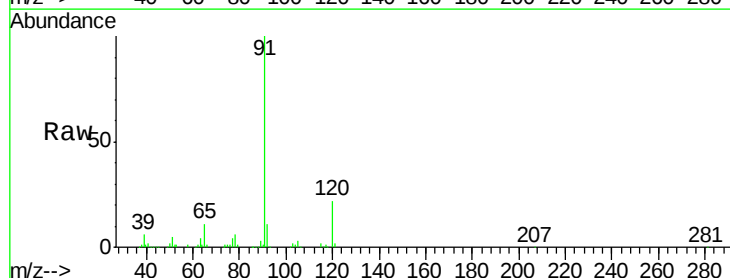
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion:	91	Resp:	218109
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.3	33.9





#79

2-Chlorotoluene

Concen: 18.342 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion: 91 Resp: 130087

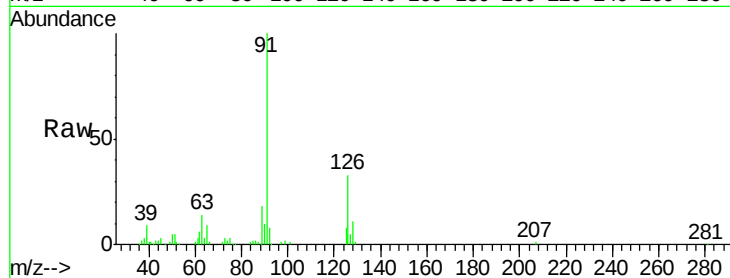
Ion Ratio Lower Upper

91 100

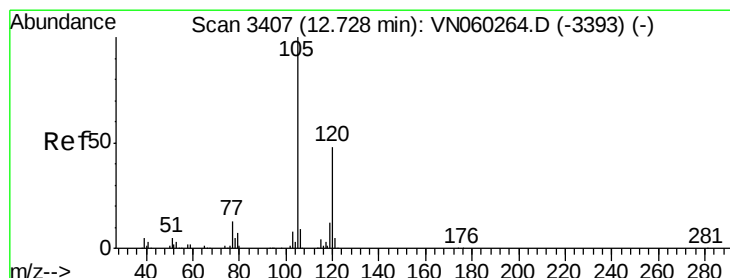
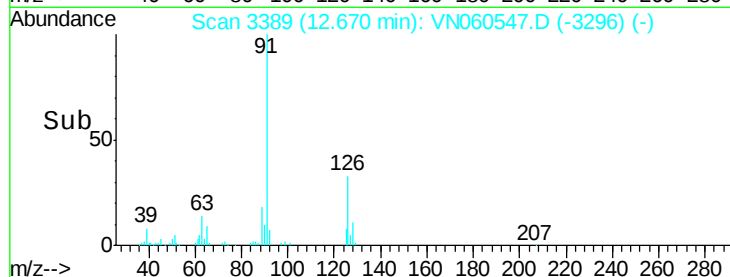
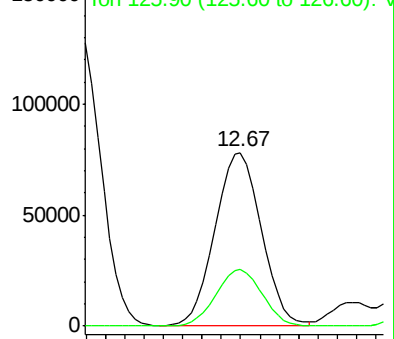
126 32.9 16.6 49.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060547.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.100 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060547.D

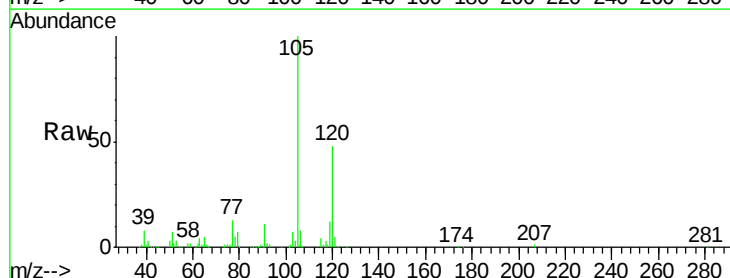
Acq: 17 Mar 2020 11:39

Tgt Ion: 105 Resp: 156861

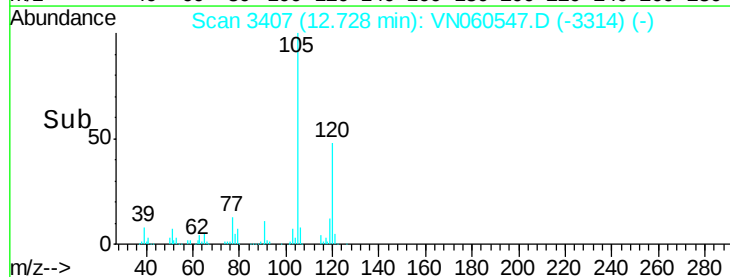
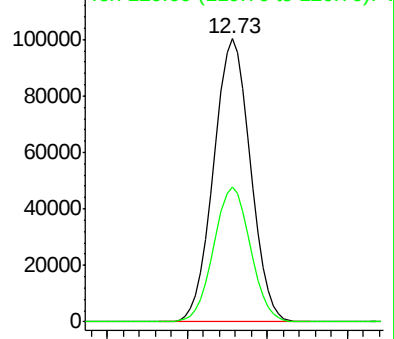
Ion Ratio Lower Upper

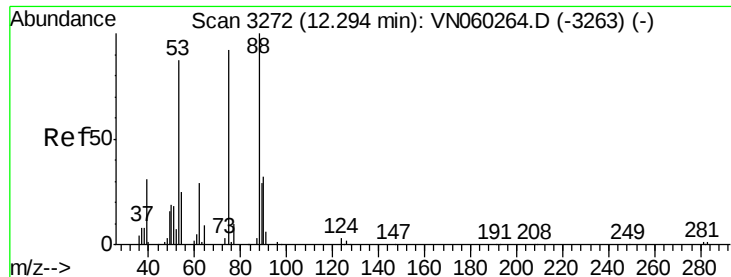
105 100

120 47.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060547.D (-3393) (-)





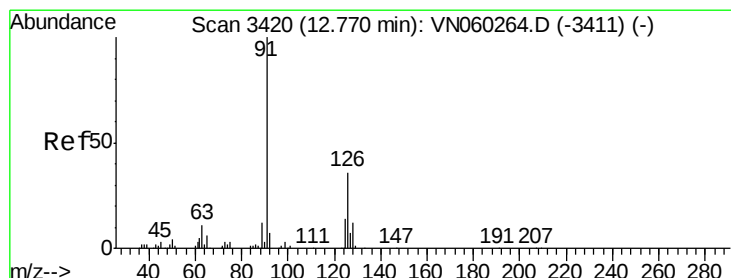
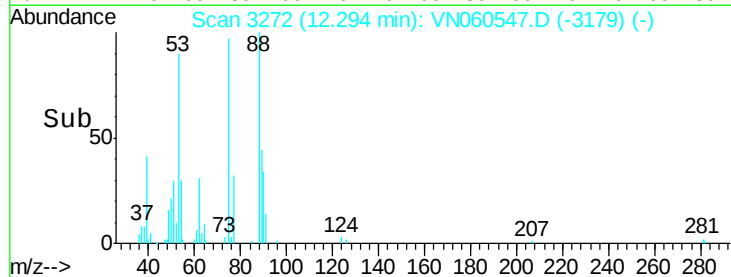
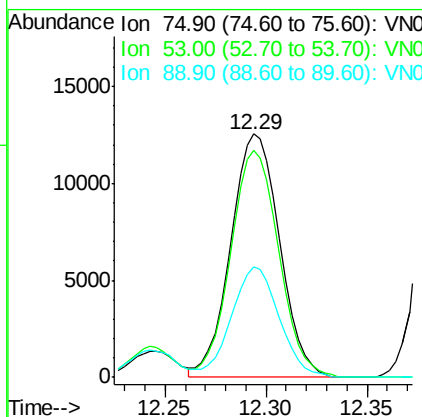
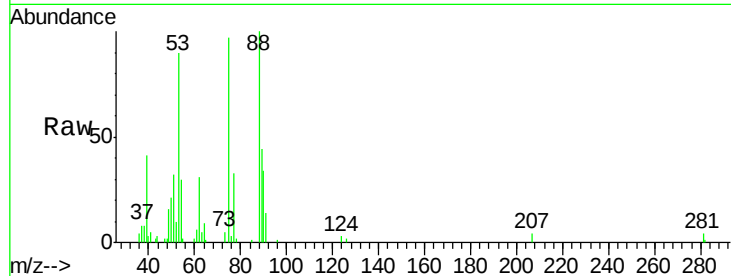
#81
trans-1,4-Dichloro-2-butene
Concen: 19.295 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.4	73.8	110.6
89	44.3	57.1	85.7#

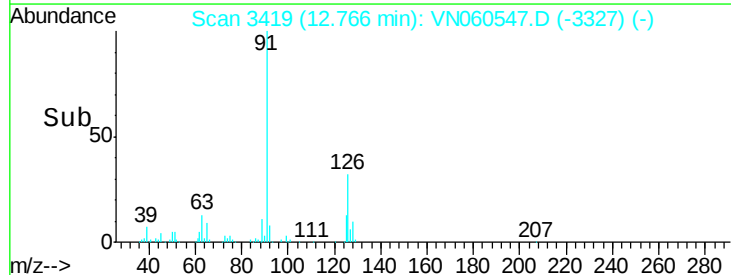
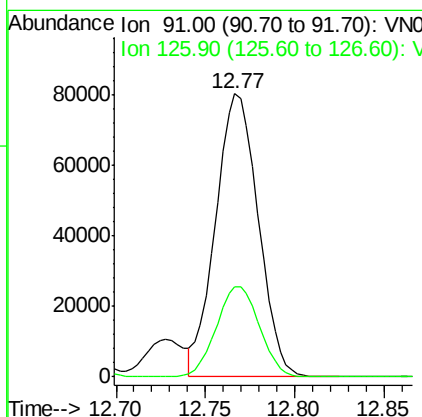
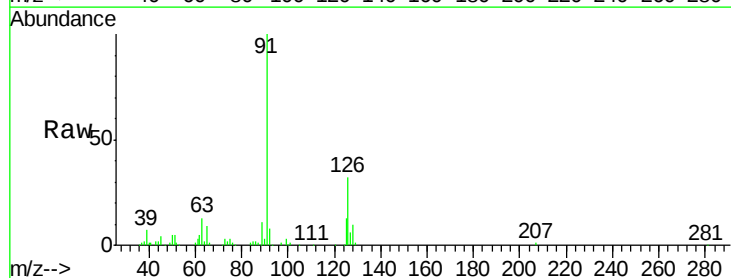
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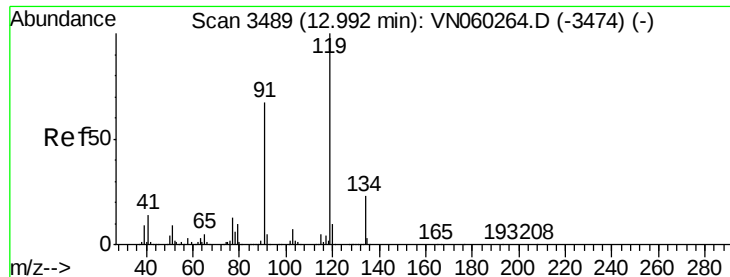
MMDadoda
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#82
4-Chlorotoluene
Concen: 17.791 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





#83

tert-Butylbenzene

Concen: 17.640 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

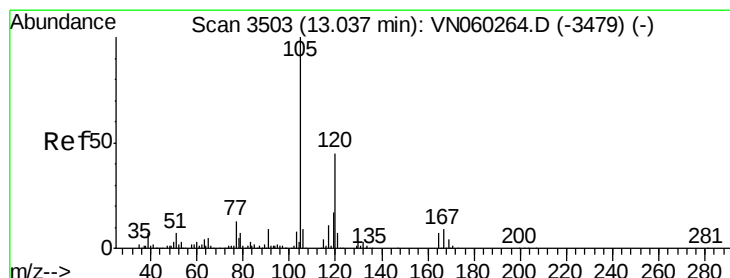
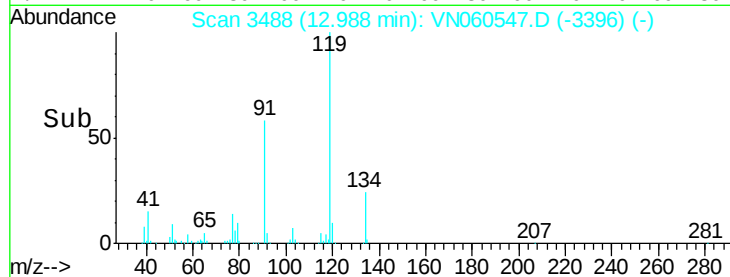
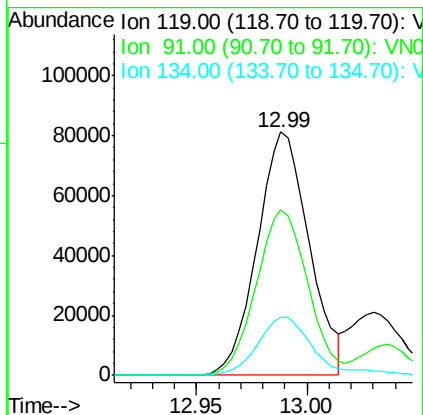
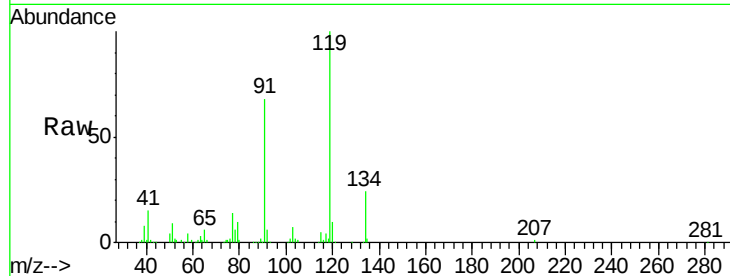
ClientSampleId :

VN0317WBSD01

Tot Ion:	119	Resp:	132358
Ion Ratio	Lower	Upper	
119	100		
91	67.7	33.1	99.2
134	25.8	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 17.823 ug/l

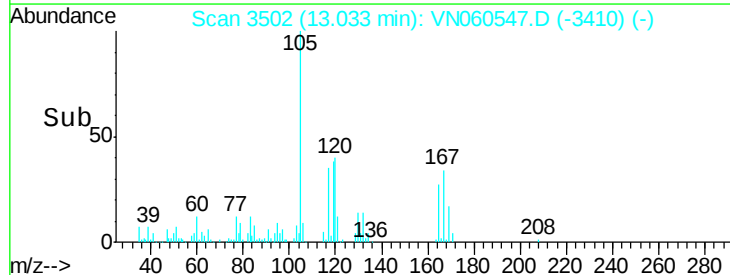
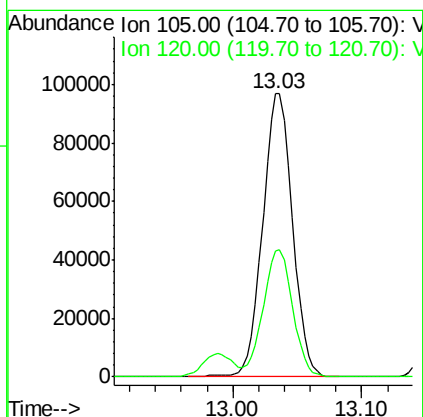
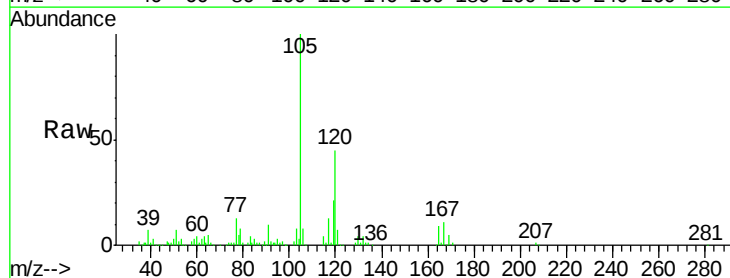
RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion:	105	Resp:	155900
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.3	66.9





#85

sec-Butylbenzene

Concen: 17.862 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBSD01

Tot Ion:105 Resp: 179471

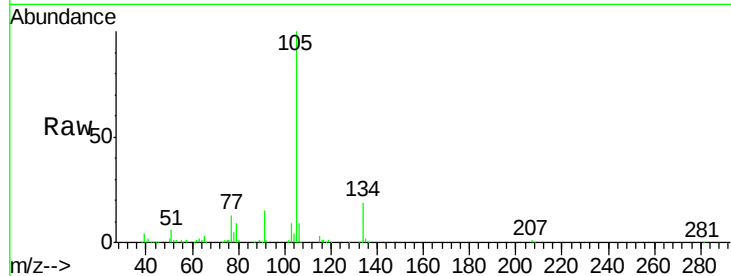
Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.5

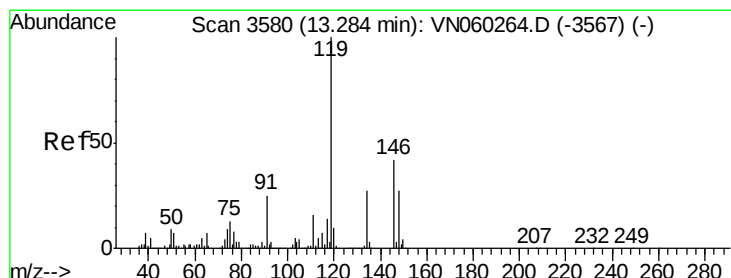
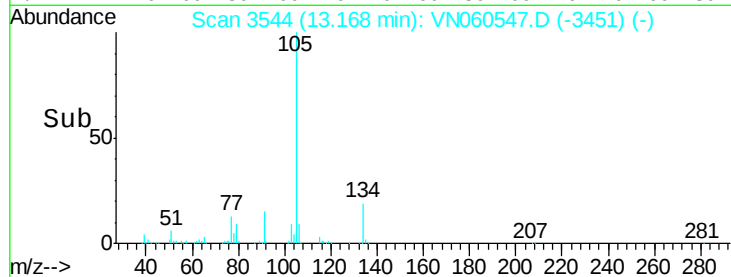
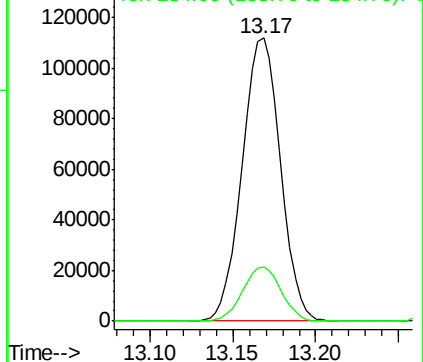
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.223 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

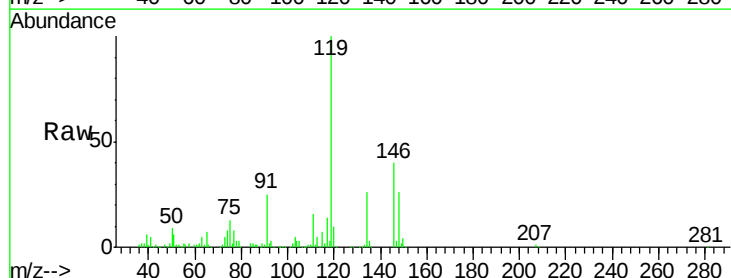
Tgt Ion:119 Resp: 160166

Ion Ratio Lower Upper

119 100

134 25.5 13.2 39.6

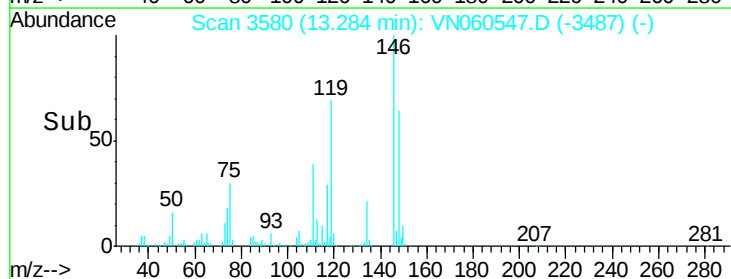
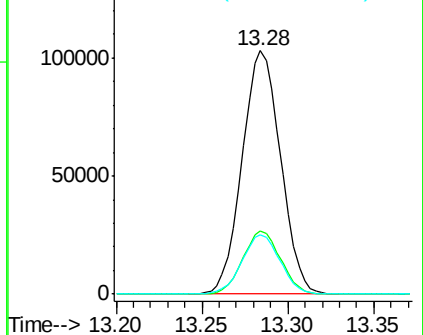
91 24.3 12.2 36.6

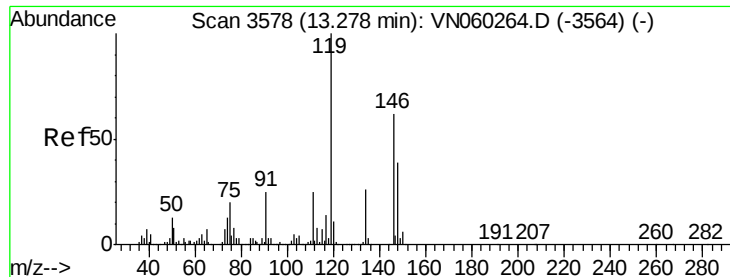


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





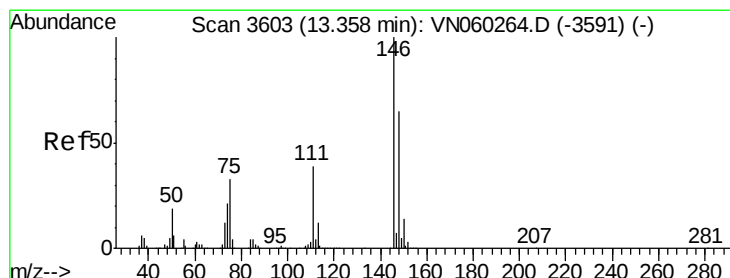
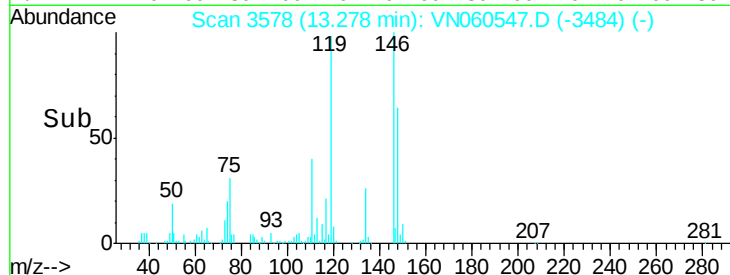
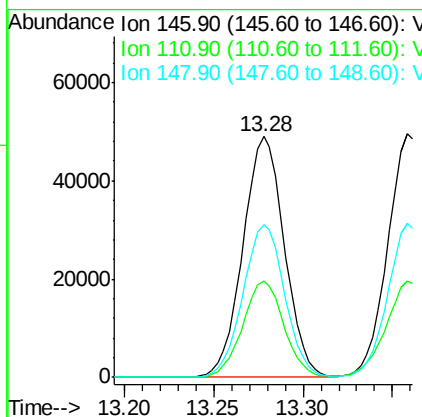
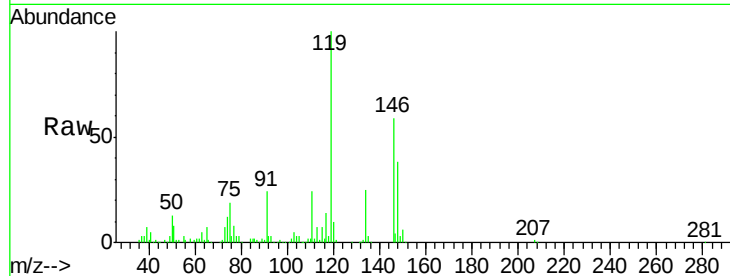
#87
 1,3-Dichlorobenzene
 Concen: 18.201 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	64.0	32.1	96.3

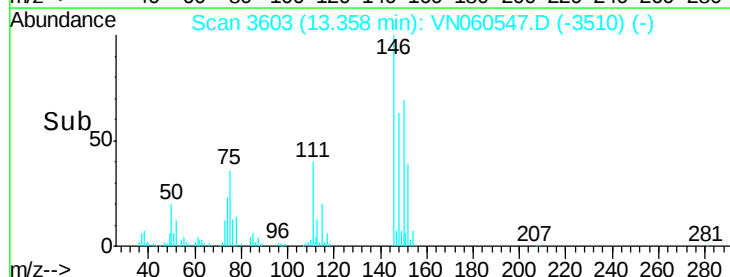
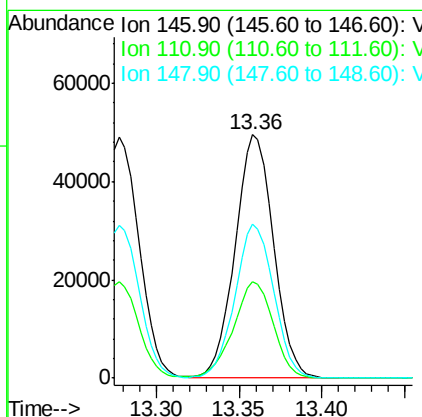
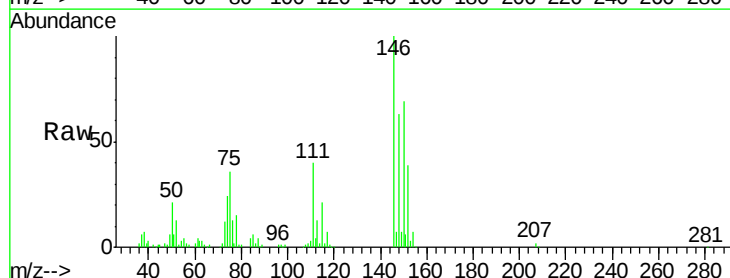
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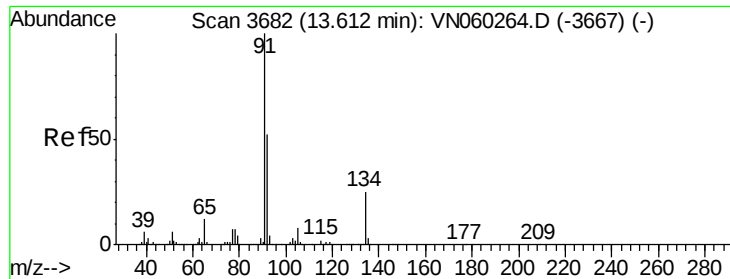
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#88
 1,4-Dichlorobenzene
 Concen: 18.333 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.8	59.4
148	63.6	32.3	96.9





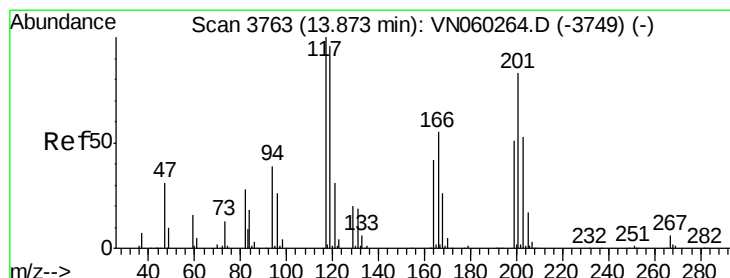
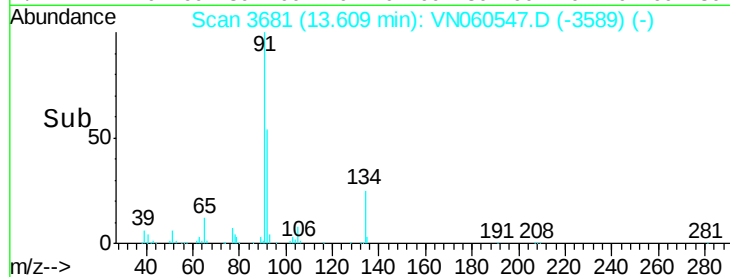
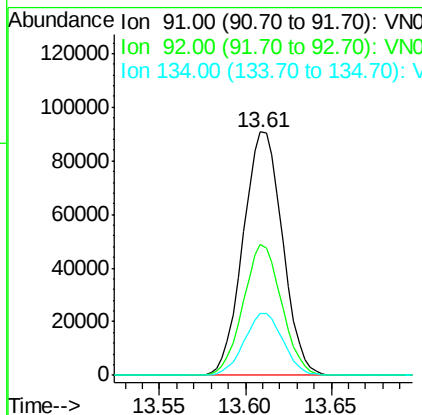
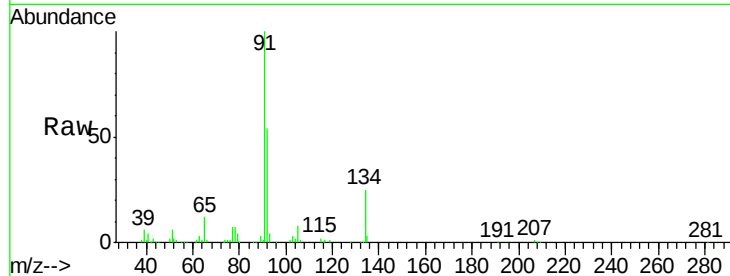
#89
n-Butylbenzene
Concen: 16.902 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	25.1	12.7	38.1

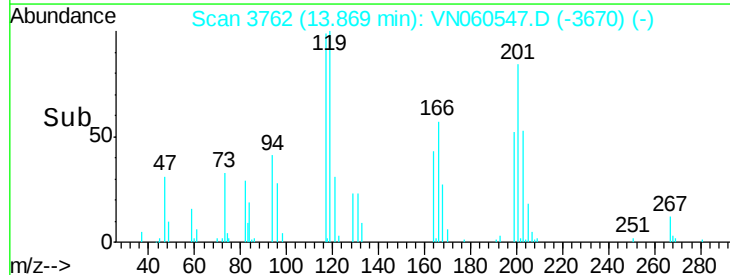
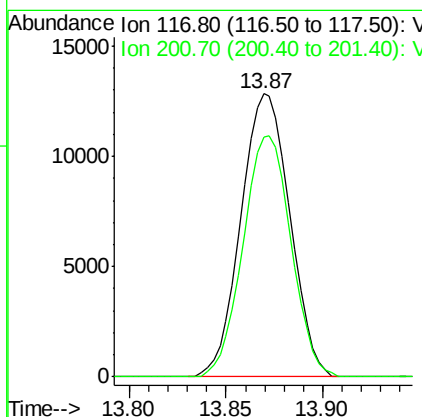
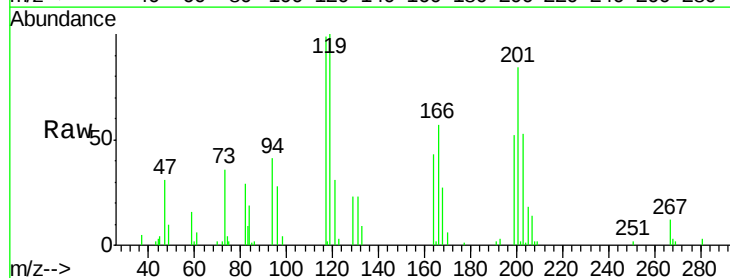
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#90
Hexachloroethane
Concen: 16.775 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060547.D
Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.0	123.0





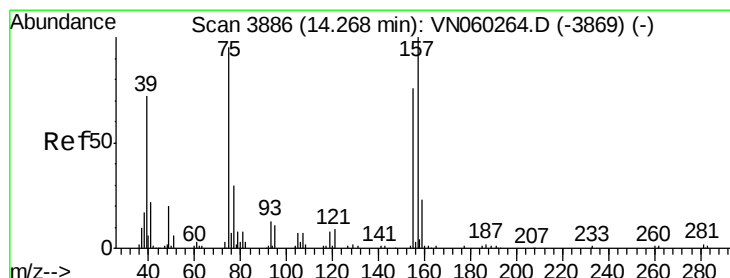
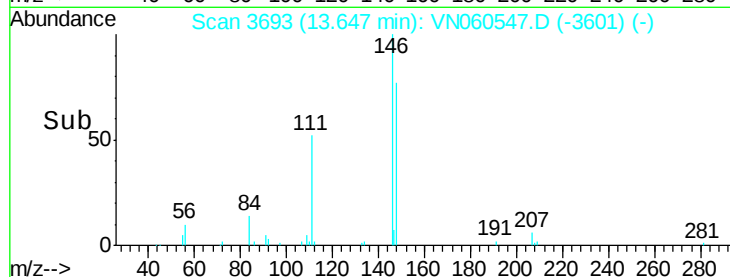
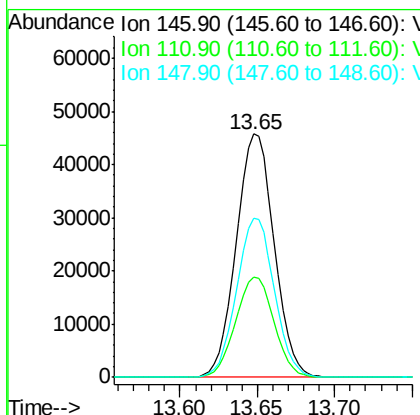
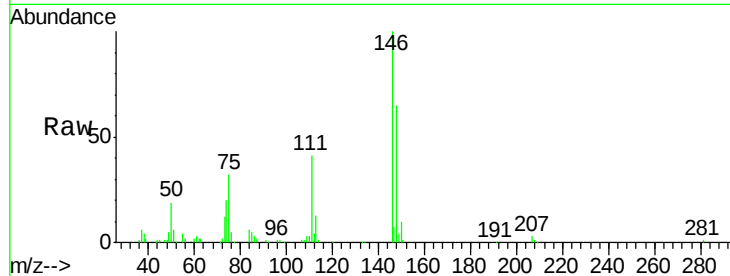
#91
 1,2-Dichlorobenzene
 Concen: 17.617 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	65.0	31.8	95.3

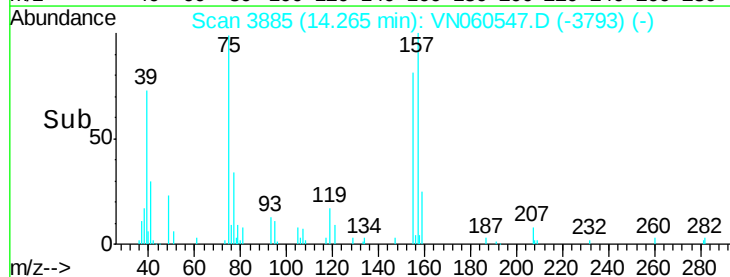
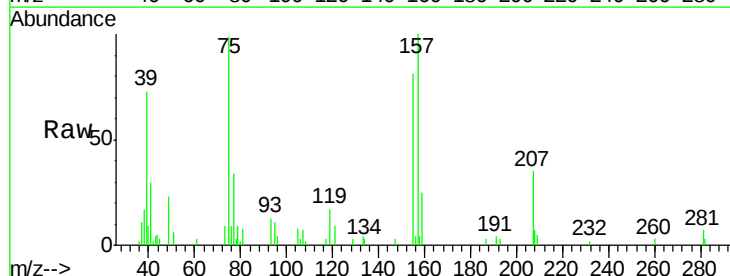
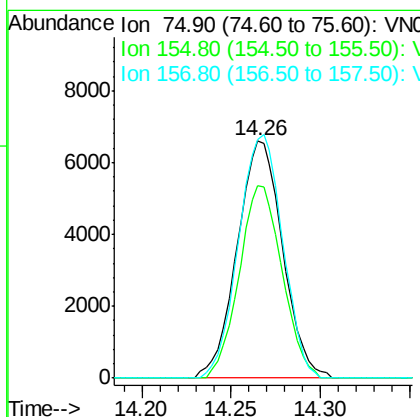
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.528 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	40.4	121.2
157	99.2	52.5	157.5





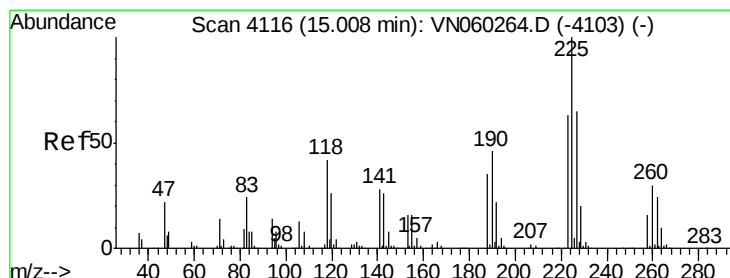
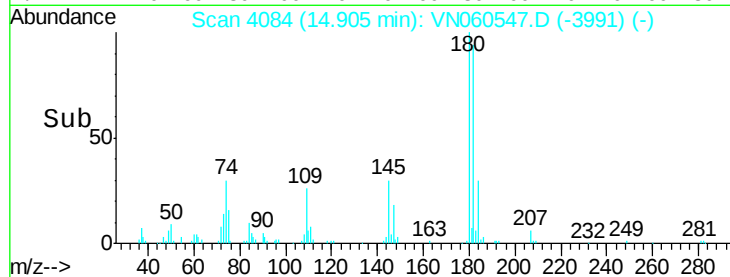
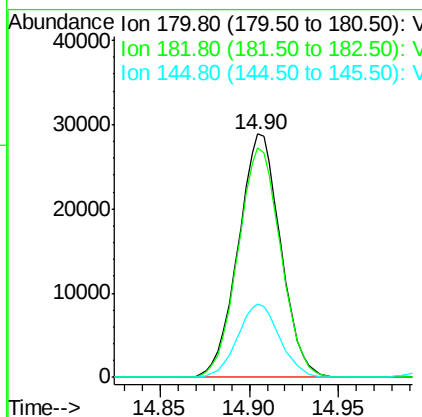
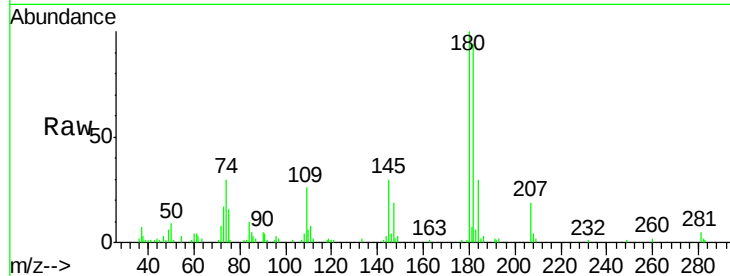
#93
 1,2,4-Trichlorobenzene
 Concen: 17.109 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47898		
182	94.9	47.8	143.3	
145	29.9	15.4	46.1	

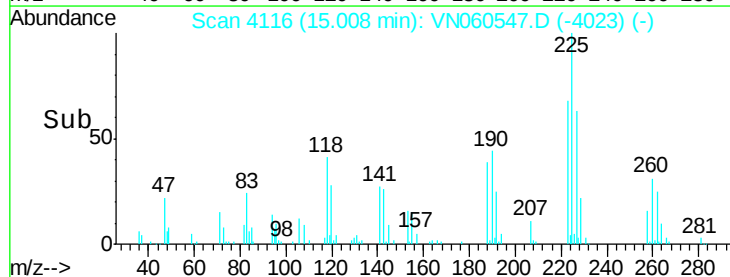
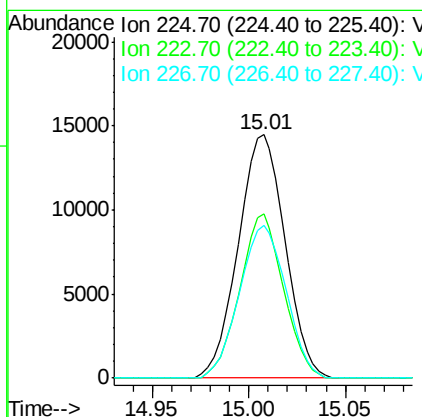
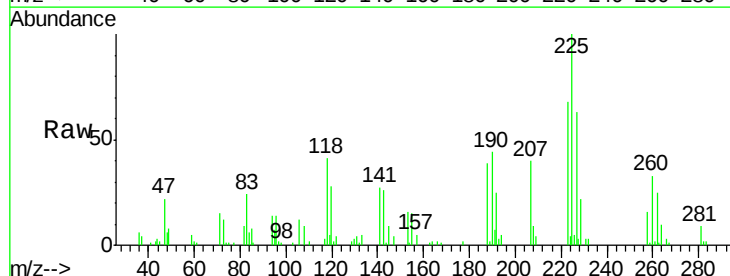
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 18.499 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060547.D
 Acq: 17 Mar 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24354		
223	62.9	31.3	93.9	
227	62.3	32.3	96.9	





#95

Naphthalene

Concen: 16.440 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Instrument :

MSVOA_N

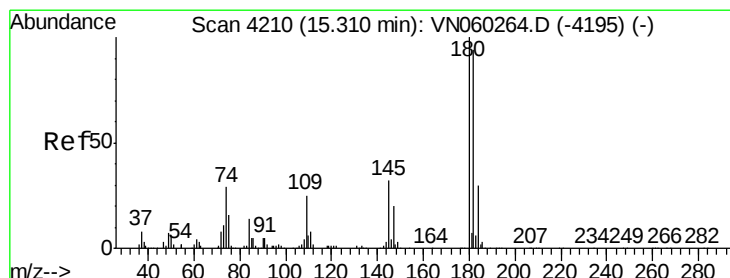
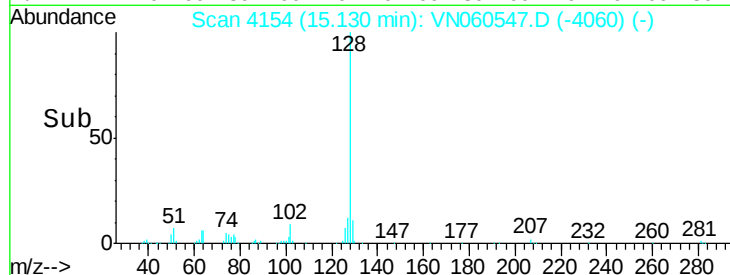
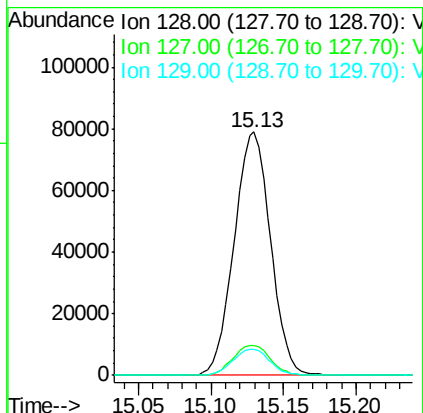
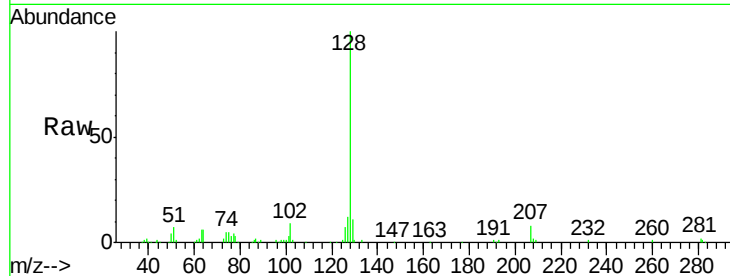
ClientSampleId :

VN0317WBSD01

Tot Ion:	128	Resp:	137543
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:34:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.198 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060547.D

Acq: 17 Mar 2020 11:39

Tgt Ion:	180	Resp:	45816
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.3	142.0
145	31.9	16.2	48.5

