

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
 Data File : VN060439.D
 Acq On : 11 Mar 2020 11:02
 Operator : JC/MD
 Sample : VN0311WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Manual Integrations
 APPROVED

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 3/12/2020 2:45:30 PM

Quant Time: Mar 12 03:55:16 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	192394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	314133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120751	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	7.56	113	89646	61.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.96%	
50) Toluene-d8	10.08	98	346886	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	12.40	95	131356	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25810	14.632	ug/l	99
3) Chloromethane	2.03	50	48466	15.781	ug/l	98
4) Vinyl Chloride	2.16	62	39514	15.003	ug/l	100
5) Bromomethane	2.54	94	16946	14.267	ug/l	97
6) Chloroethane	2.68	64	22771	15.957	ug/l	95
7) Trichlorofluoromethane	3.00	101	53114	15.784	ug/l	100
8) Diethyl Ether	3.38	74	22615	17.799	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	32263	16.941	ug/l	99
10) Methyl Iodide	3.93	142	24557	14.129	ug/l	97
11) Tert butyl alcohol	4.73	59	37221	101.549	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	30675	16.544	ug/l	98
13) Acrolein	3.58	56	35670	104.316	ug/l	100
14) Allyl chloride	4.29	41	59063	17.331	ug/l	99
15) Acrylonitrile	4.94	53	95470	98.819	ug/l	98
16) Acetone	3.78	43	80370	100.824	ug/l	99
17) Carbon Disulfide	4.03	76	75458	14.889	ug/l	99
18) Methyl Acetate	4.29	43	50281	18.901	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	124435	18.542	ug/l	98
20) Methylene Chloride	4.52	84	37645	17.196	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	33639	16.655	ug/l	99
22) Diisopropyl ether	5.91	45	130164	18.855	ug/l	93
23) Vinyl Acetate	5.86	43	523906	95.507	ug/l	98
24) 1,1-Dichloroethane	5.82	63	70567	18.059	ug/l	100
25) 2-Butanone	6.80	43	128744	99.990	ug/l	99
26) 2,2-Dichloropropane	6.79	77	62357	17.528	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	43140	16.994	ug/l	99
28) Bromochloromethane	7.17	49	30376	18.933	ug/l	97
29) Tetrahydrofuran	7.18	42	87017	97.188	ug/l	98
30) Chloroform	7.35	83	71603	18.407	ug/l	99
31) Cyclohexane	7.63	56	59941	17.093	ug/l #	95
32) 1,1,1-Trichloroethane	7.55	97	59595	17.291	ug/l	99
36) 1,1-Dichloropropene	7.77	75	50020	16.708	ug/l	99
37) Ethyl Acetate	6.89	43	57123	20.151	ug/l	98
38) Carbon Tetrachloride	7.75	117	48128	16.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55392	15.692	ug/l	95
40) Benzene	8.02	78	153157	17.576	ug/l	99
41) Methacrylonitrile	7.15	41	29055m	22.198	ug/l	
42) 1,2-Dichloroethane	8.10	62	58013	18.449	ug/l	100
43) Isopropyl Acetate	8.14	43	95974	19.339	ug/l	99
44) Trichloroethene	8.82	130	40991	16.891	ug/l	98
45) 1,2-Dichloropropane	9.10	63	43473	19.082	ug/l	97
46) Dibromomethane	9.19	93	26752	18.097	ug/l	100
47) Bromodichloromethane	9.39	83	56552	18.809	ug/l	98
48) Methyl methacrylate	9.18	41	40853	18.052	ug/l	97
49) 1,4-Dioxane	9.18	88	12725	399.839	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	278221	98.877	ug/l	99
52) Toluene	10.14	92	95060	17.367	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	63667	17.282	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	69725	18.265	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	39916	18.134	ug/l	97
56) Ethyl methacrylate	10.42	69	57849	18.293	ug/l	97
57) 1,3-Dichloropropane	10.70	76	68995	19.220	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	157540	95.252	ug/l	97
59) 2-Hexanone	10.74	43	198249	95.959	ug/l	100
60) Dibromochloromethane	10.89	129	41622	18.593	ug/l	98
61) 1,2-Dibromoethane	11.00	107	39430	18.376	ug/l	97
64) Tetrachloroethene	10.62	164	41618	17.319	ug/l	99
65) Chlorobenzene	11.43	112	100052	17.101	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39412	18.219	ug/l	99
67) Ethyl Benzene	11.50	91	185115	17.375	ug/l	100
68) m/p-Xylenes	11.62	106	135189	33.631	ug/l	98
69) o-Xylene	11.94	106	66405	17.324	ug/l	100
70) Styrene	11.96	104	107232	17.015	ug/l	100
71) Bromoform	12.12	173	28994	18.597	ug/l #	100
73) Isopropylbenzene	12.25	105	179013	17.485	ug/l	100
74) N-amyl acetate	12.06	43	80674	18.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55508	19.946	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	49319m	16.274	ug/l	
77) Bromobenzene	12.52	156	44282	17.645	ug/l	97
78) n-propylbenzene	12.59	91	208026	17.335	ug/l	99
79) 2-Chlorotoluene	12.67	91	124423	17.638	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	149944	17.395	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19662	17.910	ug/l #	85
82) 4-Chlorotoluene	12.77	91	128491	17.288	ug/l	98
83) tert-Butylbenzene	12.99	119	129535	17.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	151578	17.422	ug/l	99
85) sec-Butylbenzene	13.17	105	170899	17.100	ug/l	99
86) p-Isopropyltoluene	13.28	119	152740	16.513	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	77119	17.761	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77312	17.809	ug/l	99
89) n-Butylbenzene	13.61	91	135313	15.936	ug/l	99
90) Hexachloroethane	13.87	117	20686	15.450	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	75430	17.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11072	17.569	ug/l	99

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ClientSampleId :
VN0311WBSD01

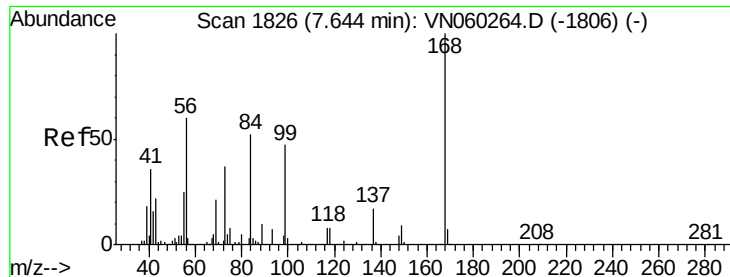
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46660	16.758	ug/l	99
94) Hexachlorobutadiene	15.01	225	22623	17.239	ug/l	98
95) Naphthalene	15.13	128	138846	16.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44670	16.855	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion:168 Resp: 192394

Ion Ratio Lower Upper

168 100

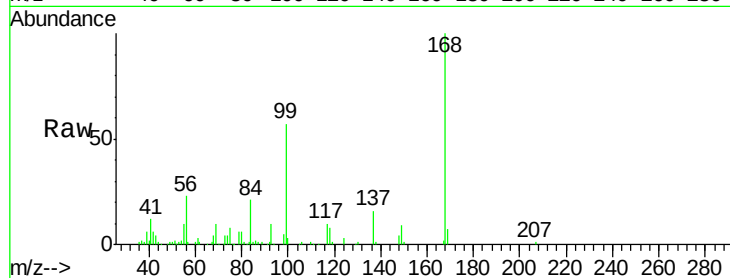
99 57.5 44.7 67.1

Manual Integrations

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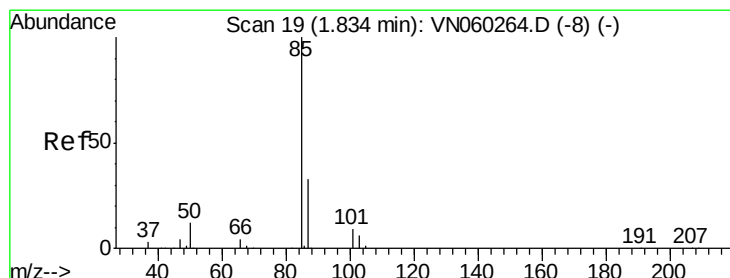
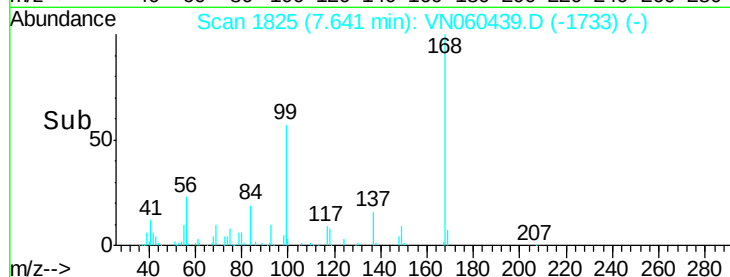
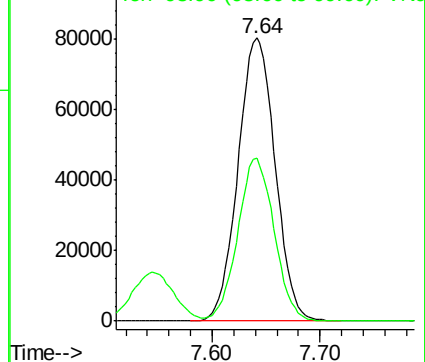
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3/12/2020 2:45:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 14.632 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060439.D

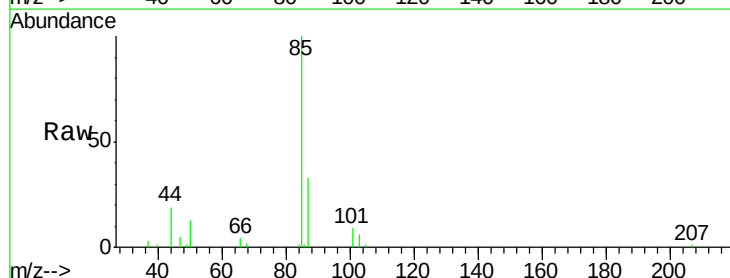
Acq: 11 Mar 2020 11:02

Tgt Ion: 85 Resp: 25810

Ion Ratio Lower Upper

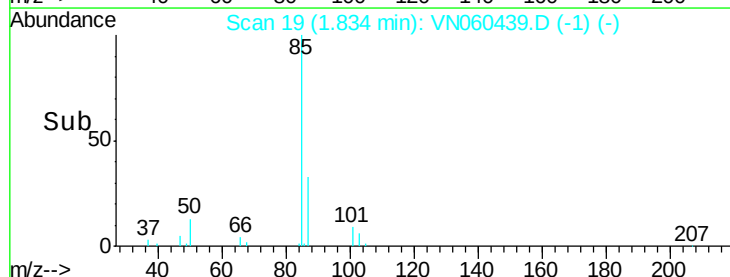
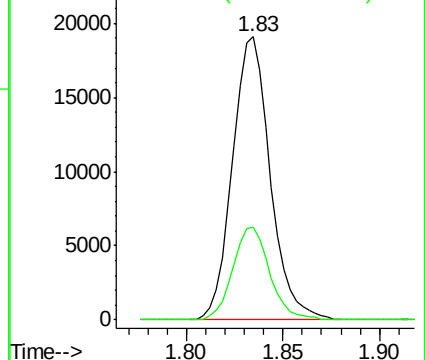
85 100

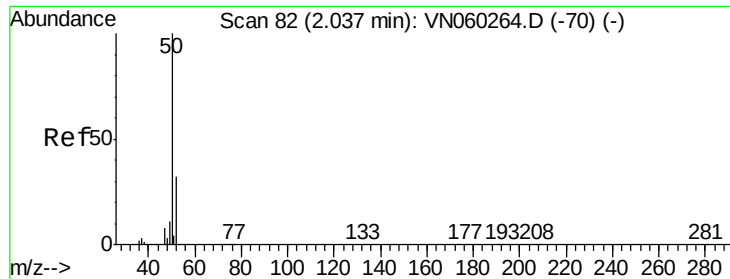
87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 15.781 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 50 Resp: 48466

Ion Ratio Lower Upper

50 100

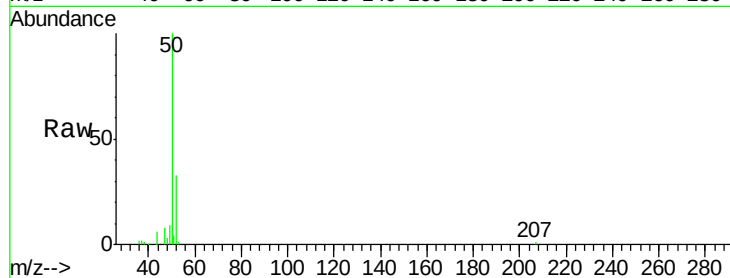
52 33.1 25.6 38.4

Manual Integrations

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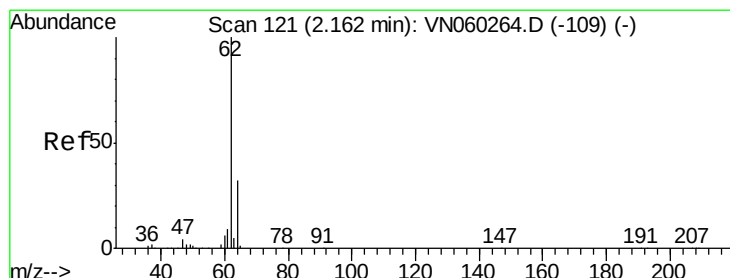
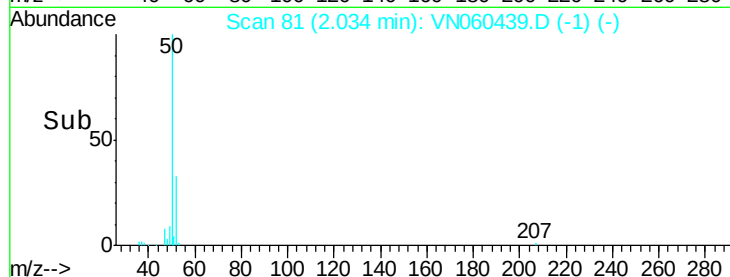
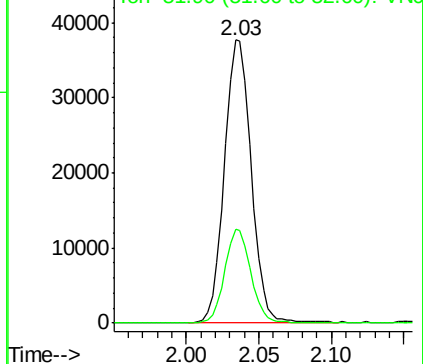
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.003 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN060439.D

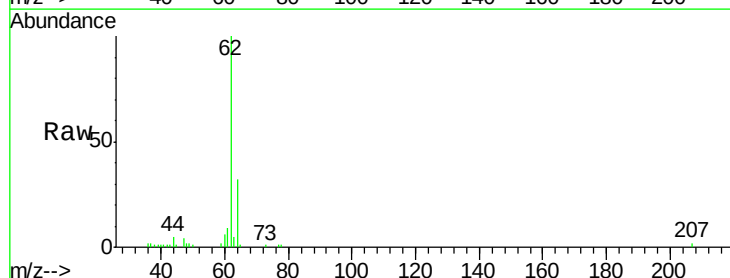
Acq: 11 Mar 2020 11:02

Tgt Ion: 62 Resp: 39514

Ion Ratio Lower Upper

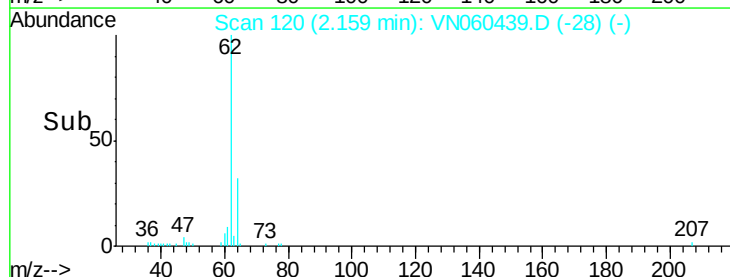
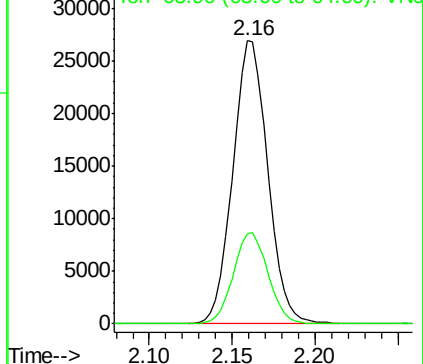
62 100

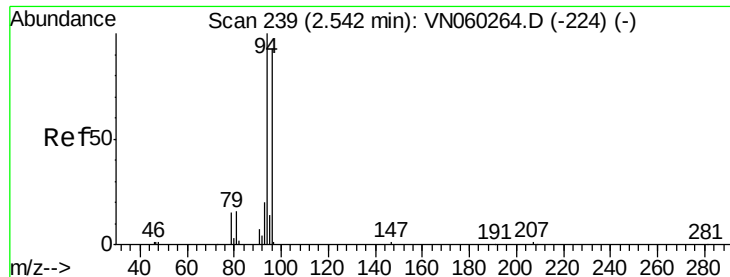
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





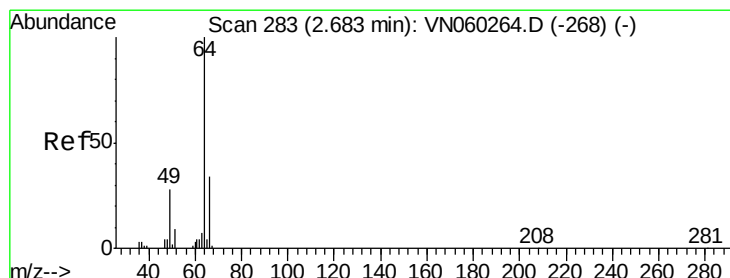
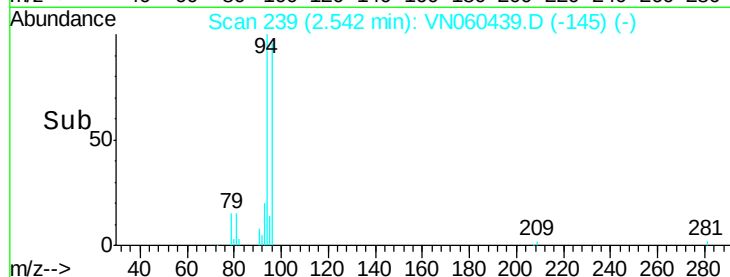
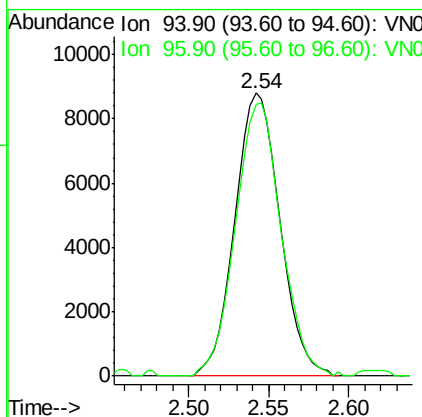
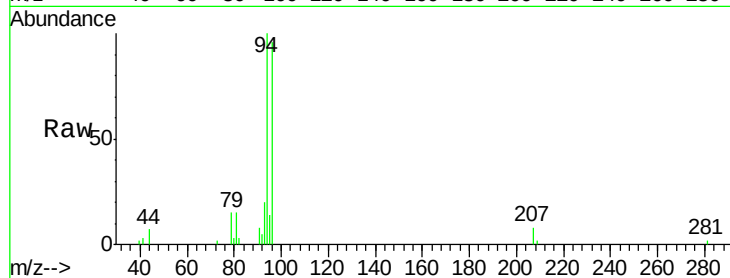
#5
Bromomethane
Concen: 14.267 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
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Tot Ion	Ratio	Lower	Upper
94	100		
96	96.1	74.3	111.5

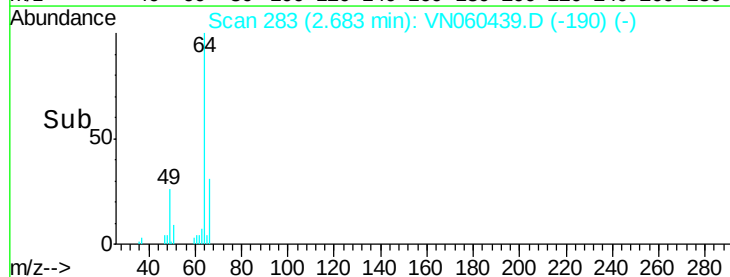
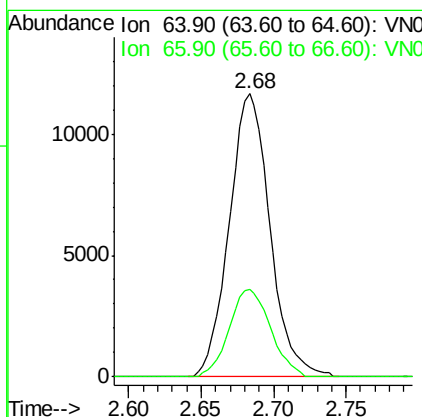
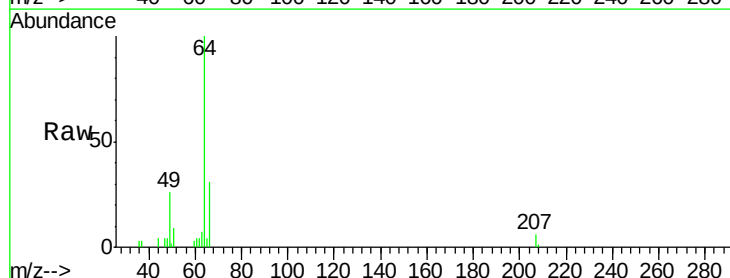
Manual Integrations
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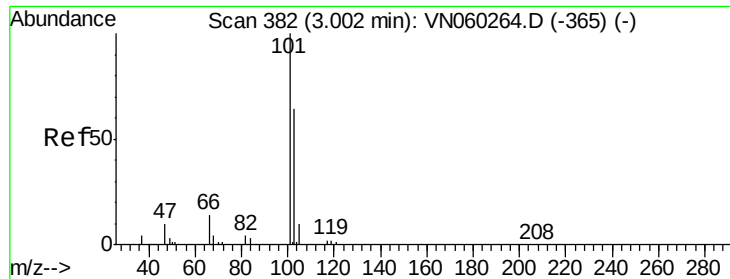
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#6
Chloroethane
Concen: 15.957 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.1	27.4	41.2





#7

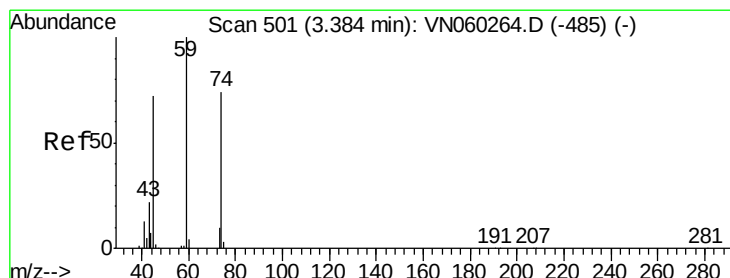
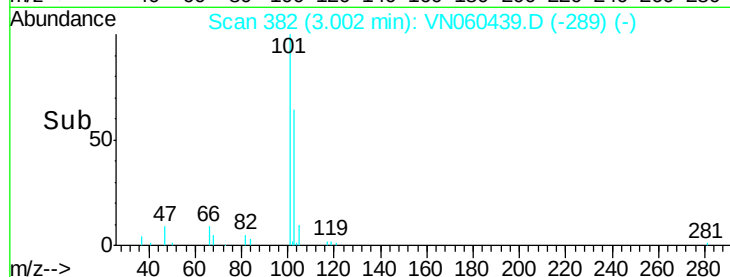
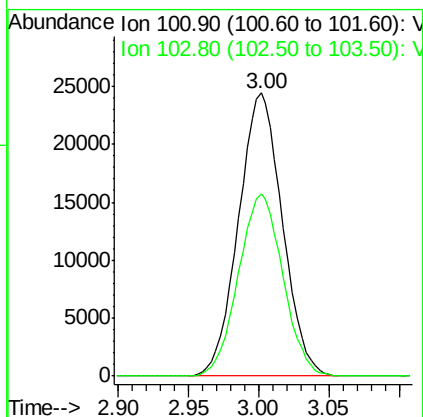
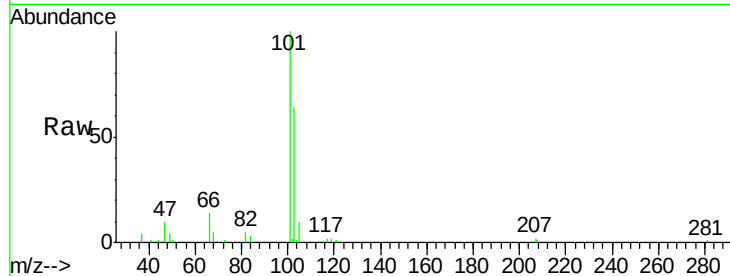
Trichlorofluoromethane
Concen: 15.784 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.3	76.9

Manual Integrations
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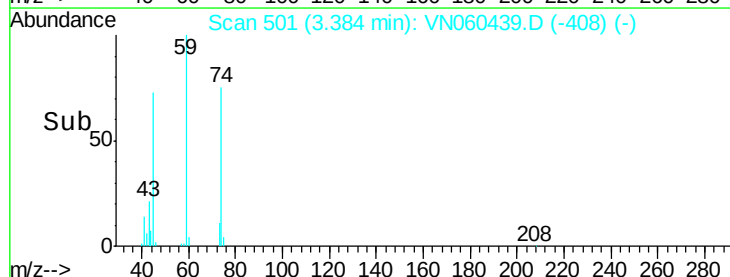
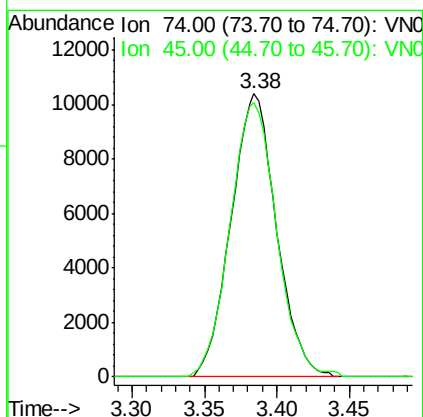
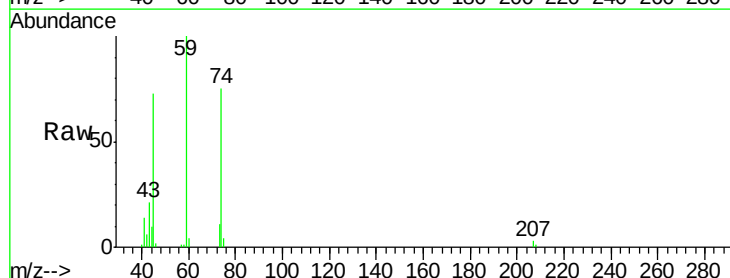
MMDadoda
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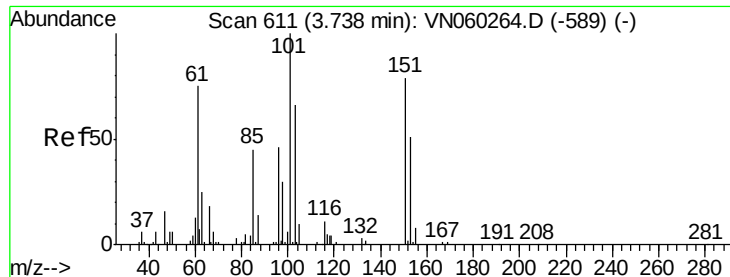


#8

Diethyl Ether
Concen: 17.799 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.941 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

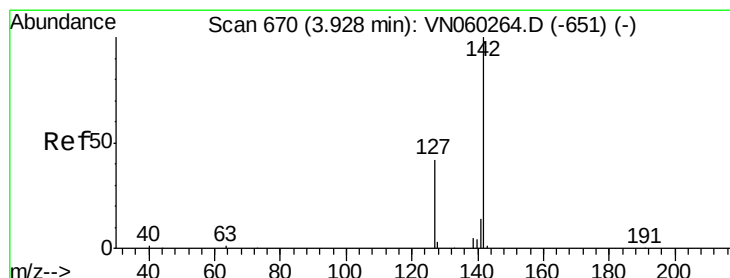
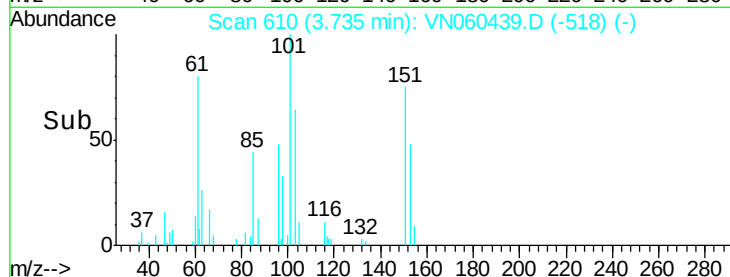
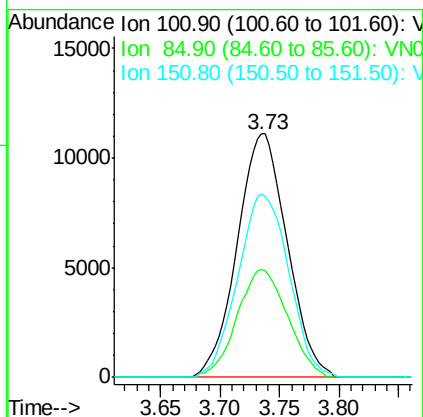
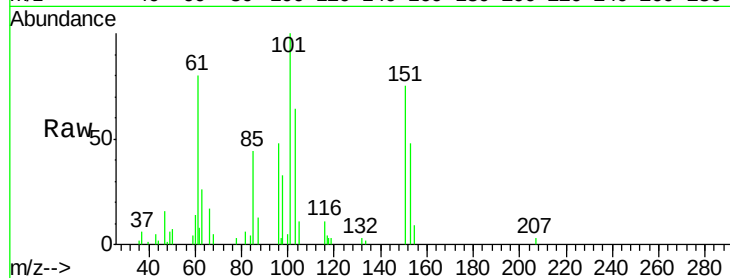
ClientSampleId :

VN0311WBSD01

Tot Ion:	101	Resp:	32263
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.4	53.2
151	76.9	62.0	93.0

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 14.129 ug/l

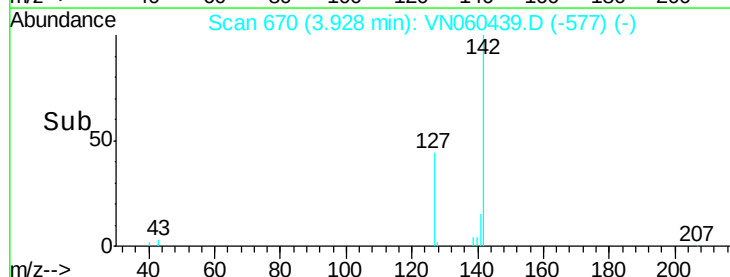
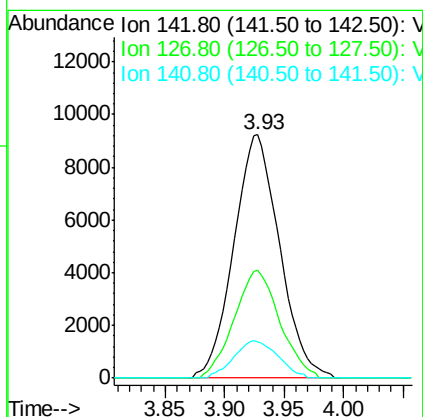
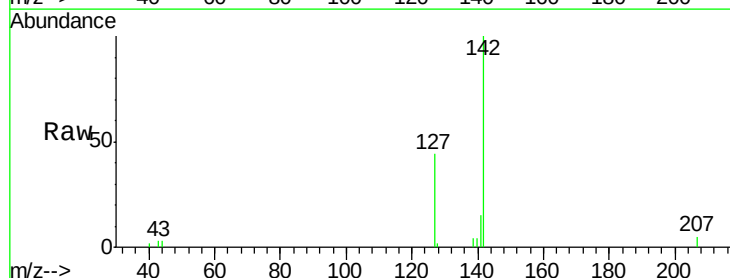
RT: 3.93 min Scan# 670

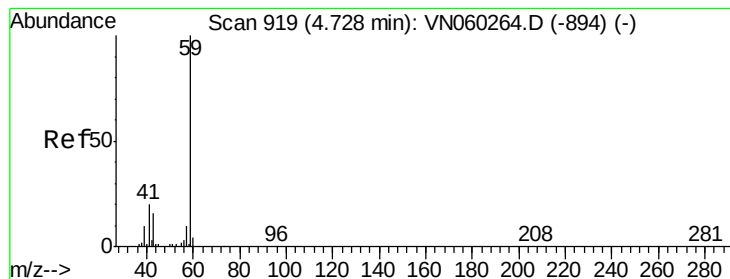
Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion:	142	Resp:	24557
Ion Ratio	Lower	Upper	
142	100		
127	44.2	33.8	50.6
141	14.8	11.1	16.7





#11

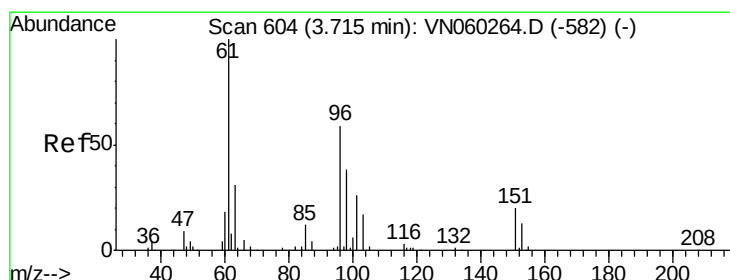
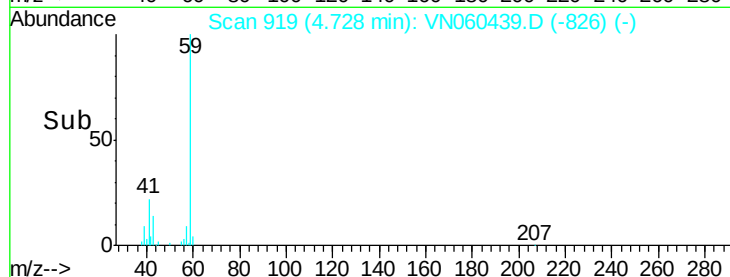
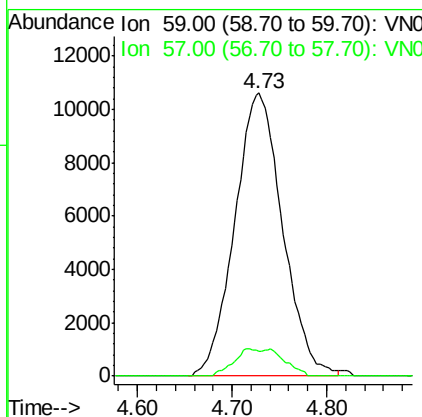
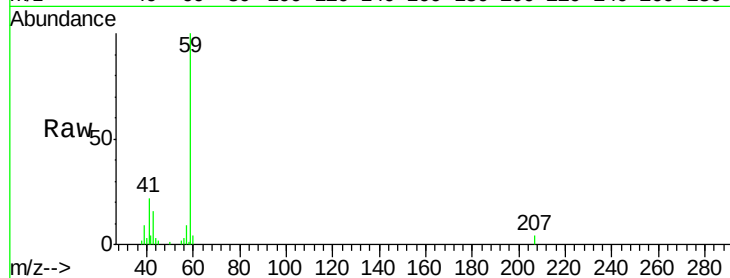
Tert butyl alcohol
 Concen: 101.549 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.2	12.2#

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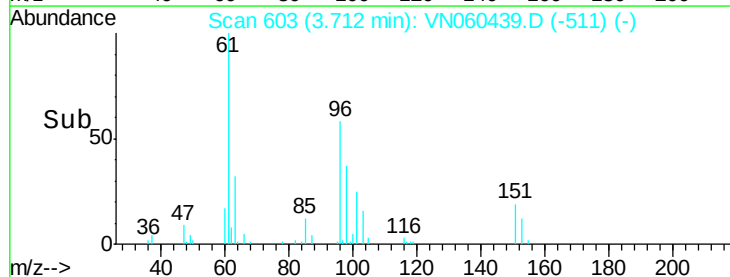
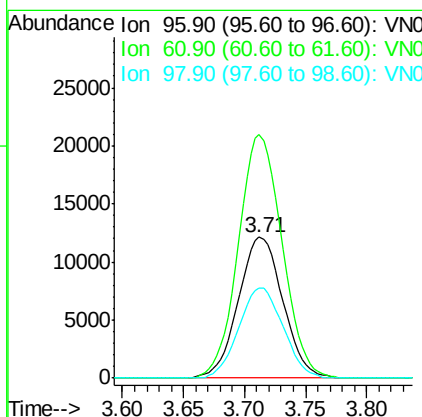
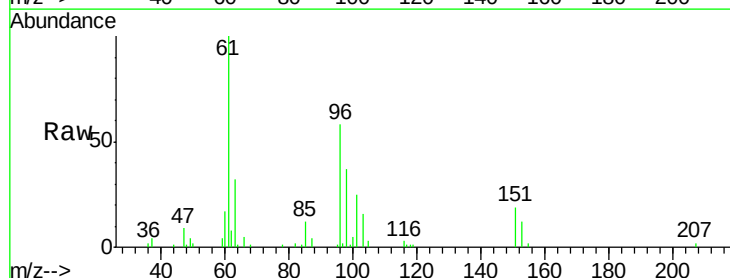
MMDadoda
 3/12/2020 2:45:30 PM

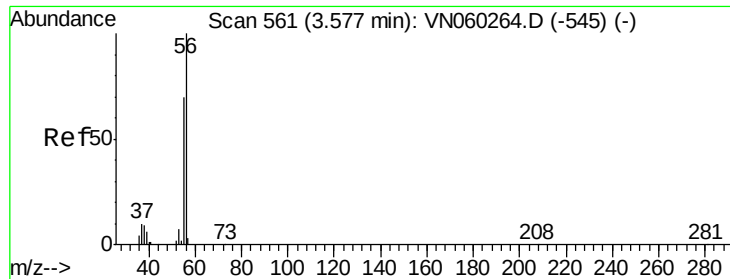


#12

1,1-Dichloroethene
 Concen: 16.544 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.7	135.4	203.0
98	64.0	51.6	77.4





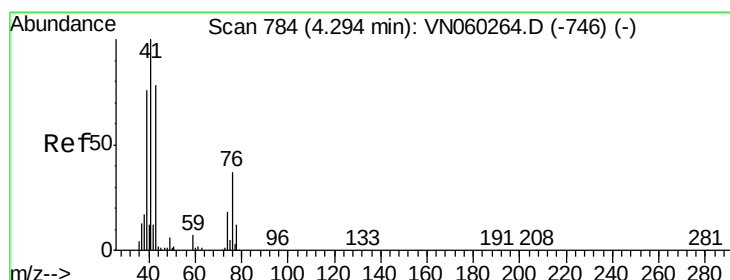
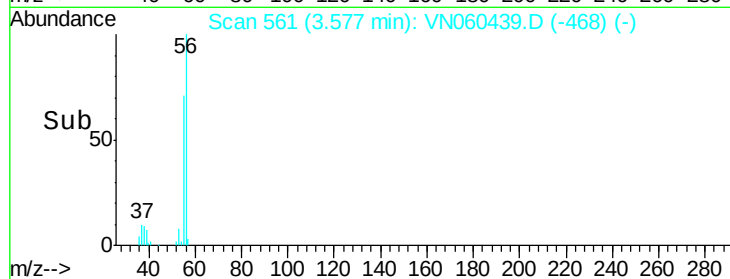
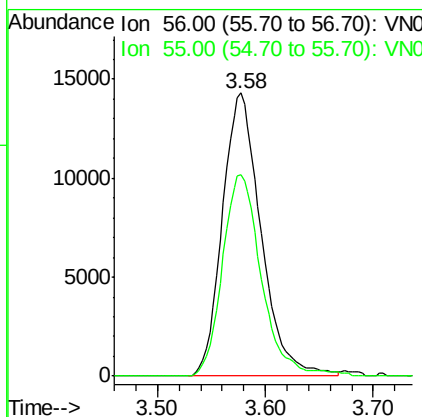
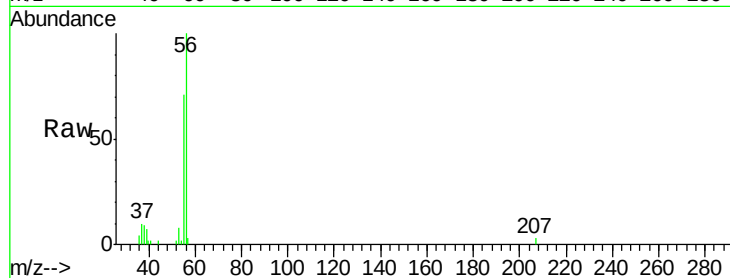
#13
Acrolein
Concen: 104.316 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	56	Resp	35670
Ion Ratio	Lower	Upper	
56	100		
55	71.7	57.4	86.0

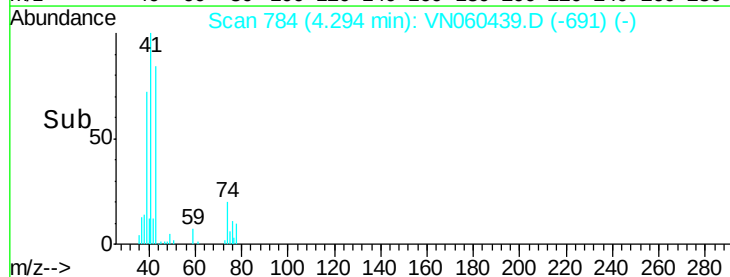
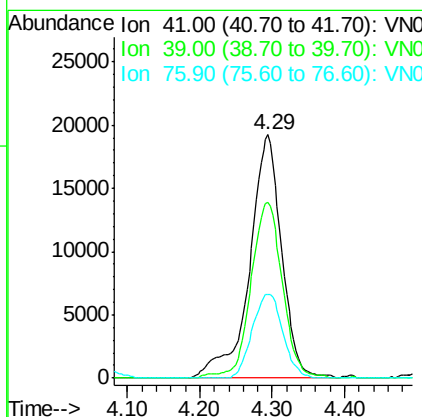
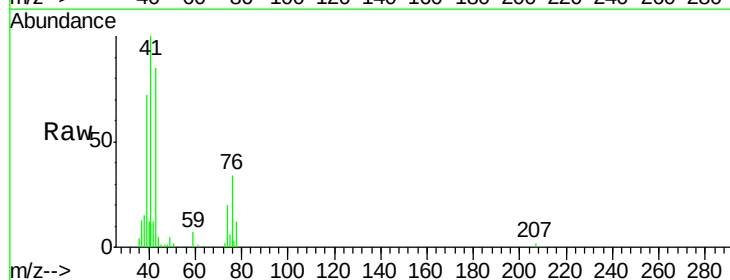
Manual Integrations
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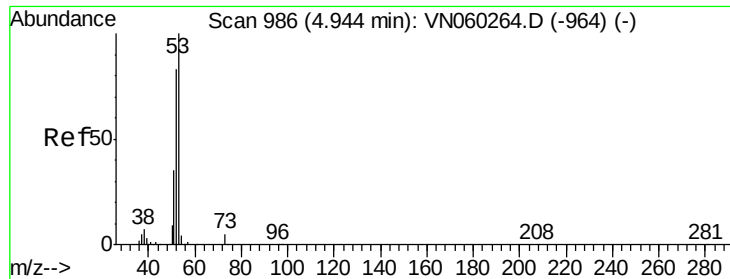
MMDadoda
3/12/2020 2:45:30 PM



#14
Allyl chloride
Concen: 17.331 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	41	Resp	59063
Ion Ratio	Lower	Upper	
41	100		
39	70.0	55.4	83.2
76	32.9	27.0	40.6





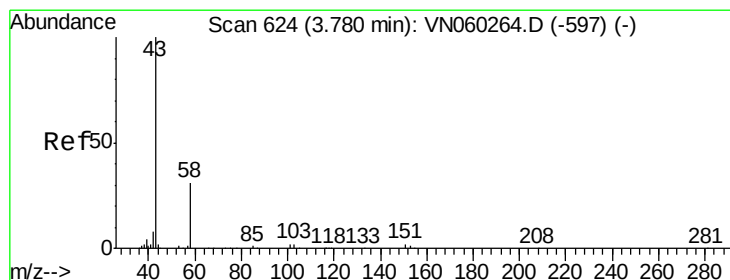
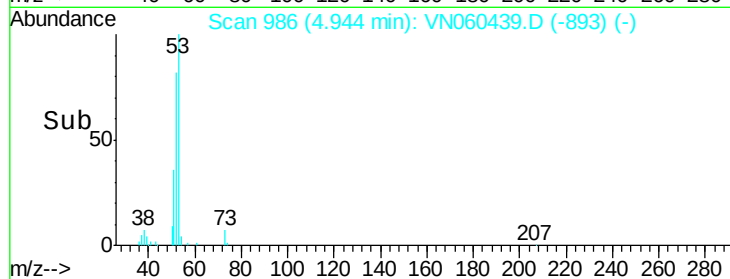
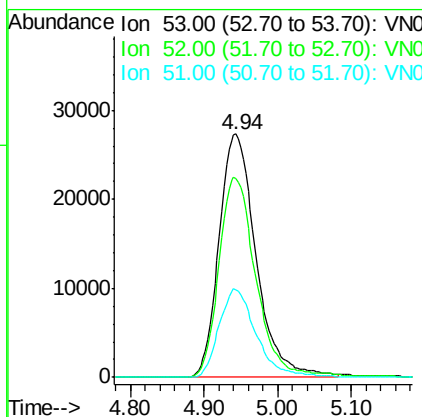
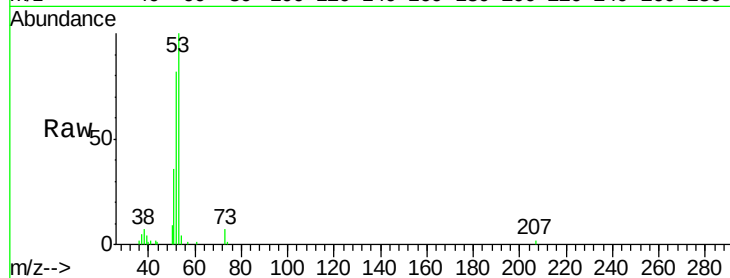
#15
 Acrylonitrile
 Concen: 98.819 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion:	53	Resp:	95470
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.8	100.2
51	36.2	29.0	43.6

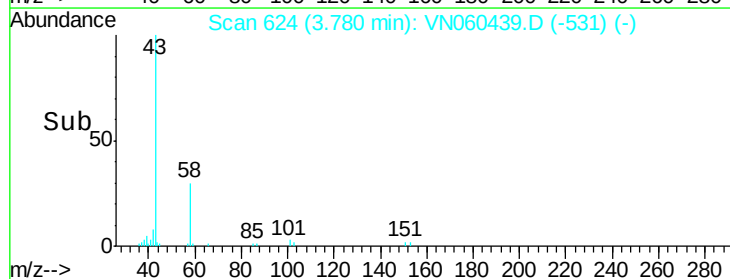
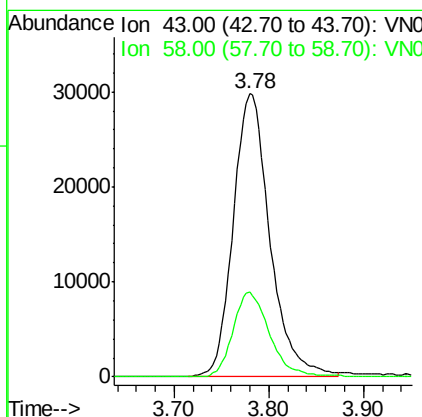
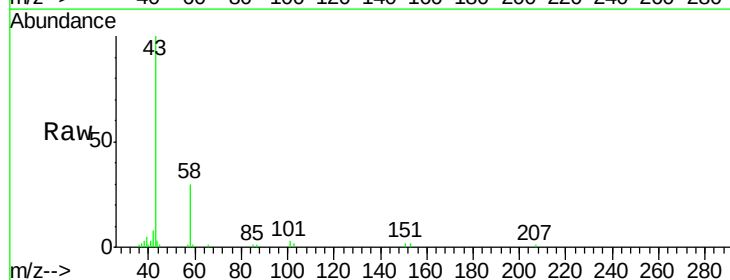
Manual Integrations
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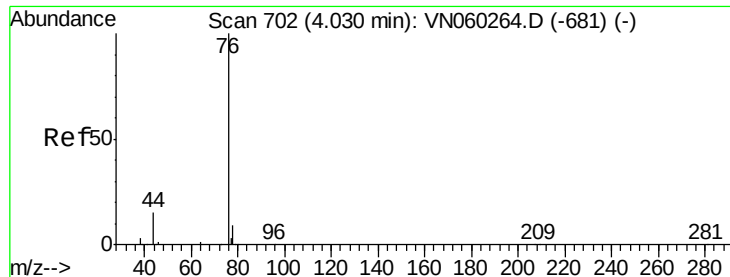
MMDadoda
 3/12/2020 2:45:30 PM



#16
 Acetone
 Concen: 100.824 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion:	43	Resp:	80370
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.6	36.8





#17

Carbon Disulfide

Concen: 14.889 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 76 Resp: 75458

Ion Ratio Lower Upper

76 100

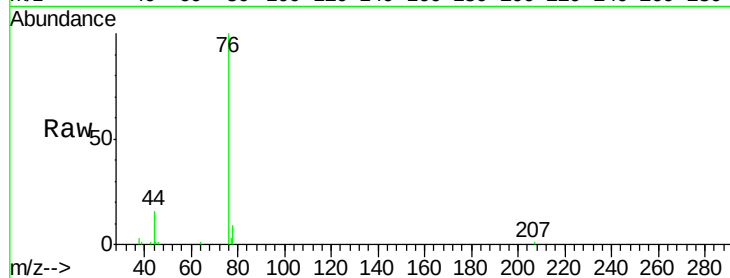
78 9.4 7.4 11.0

Manual Integrations

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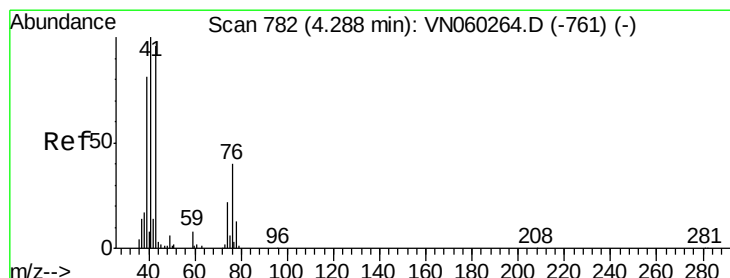
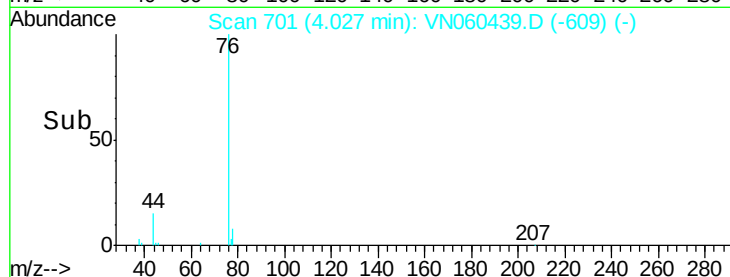
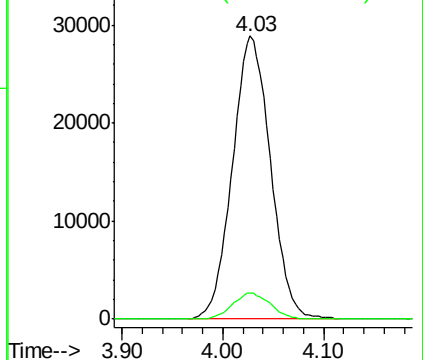
MMDadoda

3/12/2020 2:45:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 18.901 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060439.D

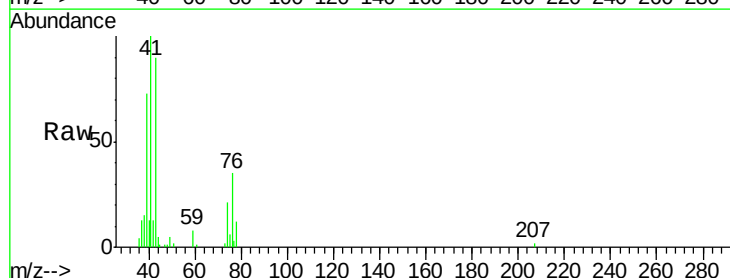
Acq: 11 Mar 2020 11:02

Tgt Ion: 43 Resp: 50281

Ion Ratio Lower Upper

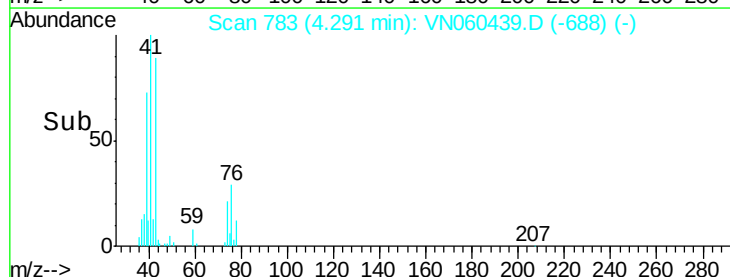
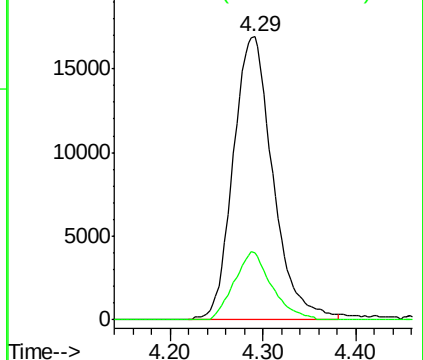
43 100

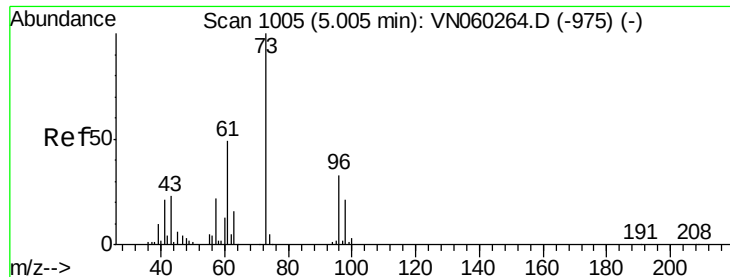
74 22.7 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





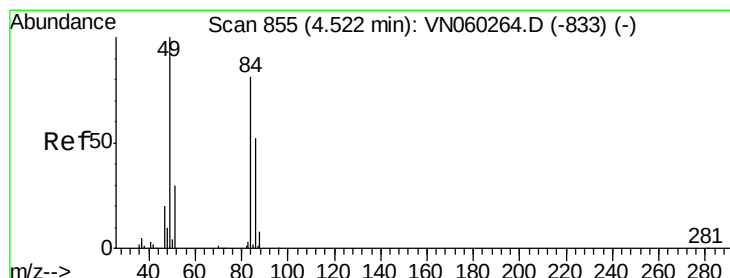
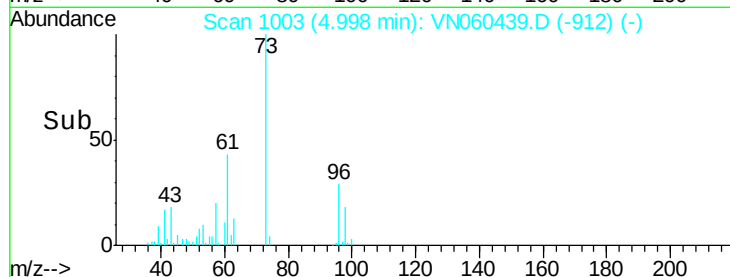
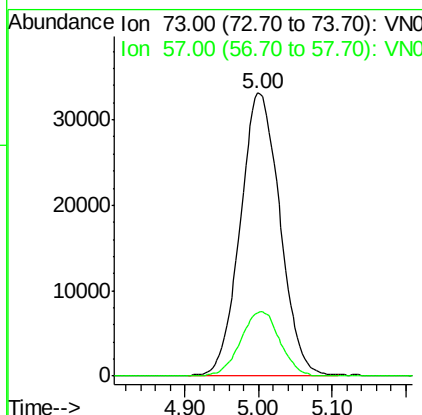
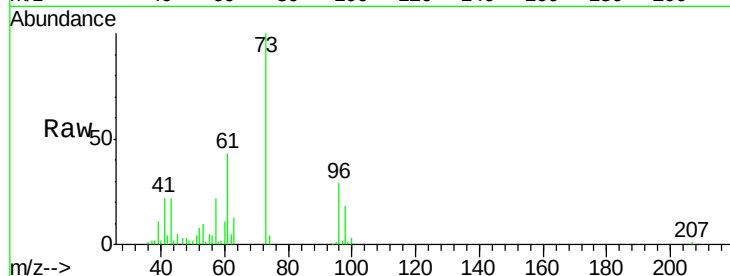
#19
Methyl tert-butyl Ether
Concen: 18.542 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VN0311WBSD01

Tot Ion: 73 Resp: 124435
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9

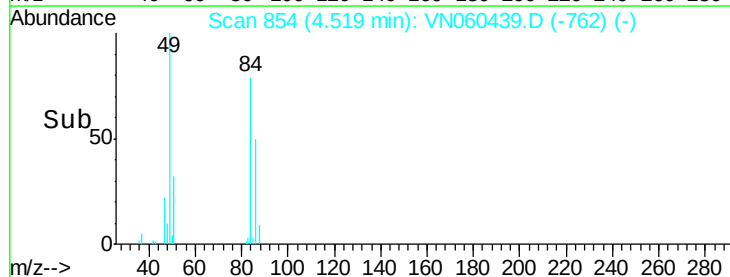
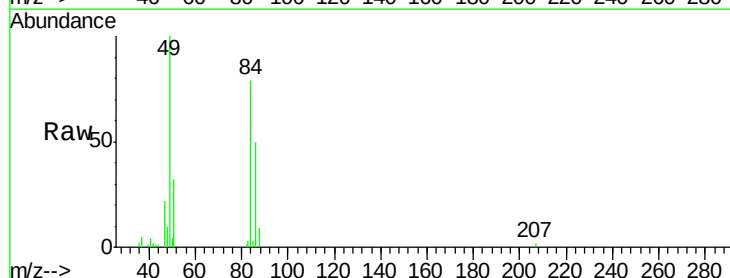
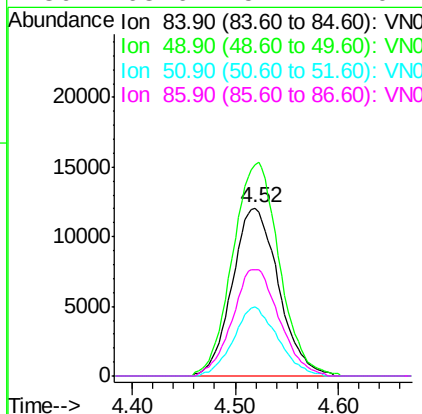
Manual Integrations
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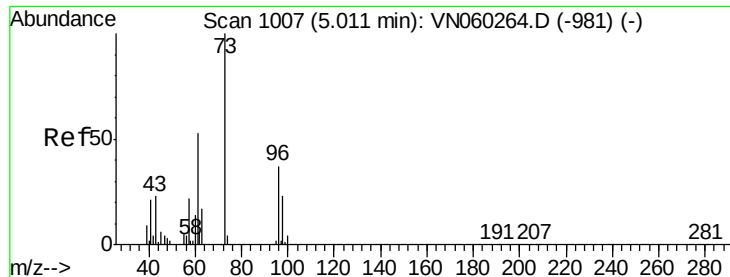
MMDadoda
3/12/2020 2:45:30 PM



#20
Methylene Chloride
Concen: 17.196 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 84 Resp: 37645
Ion Ratio Lower Upper
84 100
49 126.0 99.3 148.9
51 40.9 30.1 45.1
86 63.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 16.655 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

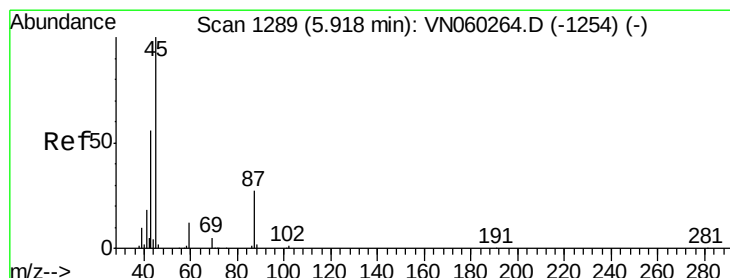
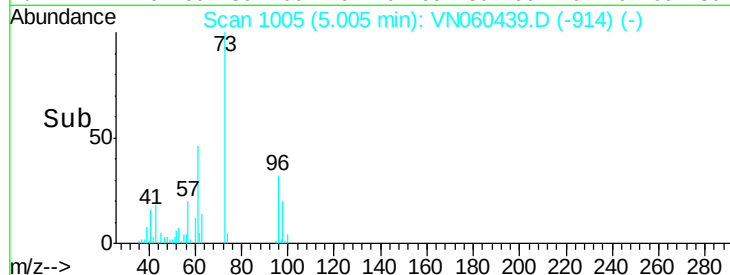
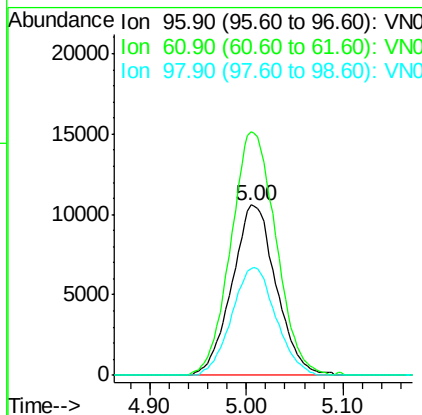
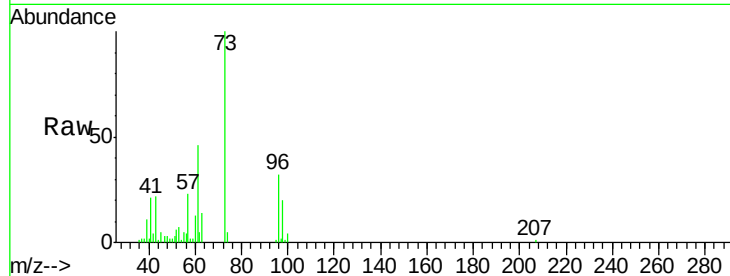
ClientSampleId :

VN0311WBSD01

Tot Ion:	96	Resp:	33639
Ion	Ratio	Lower	Upper
96	100		
61	142.9	113.8	170.8
98	62.9	48.8	73.2

Manual Integrations
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3/12/2020 2:45:30 PM



#22

Diisopropyl ether

Concen: 18.855 ug/l

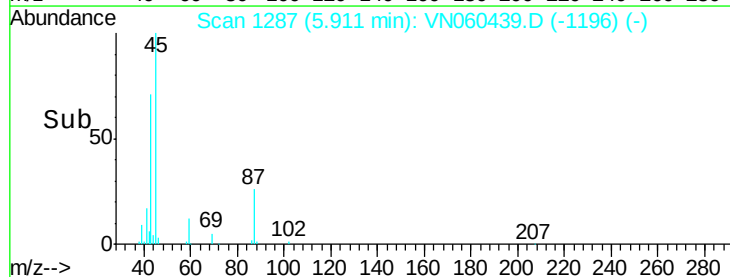
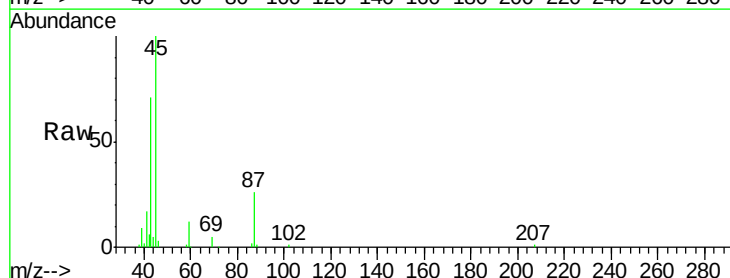
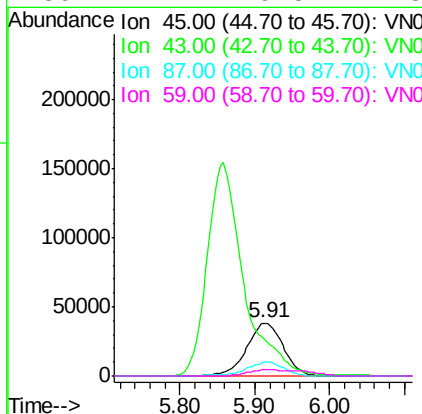
RT: 5.91 min Scan# 1287

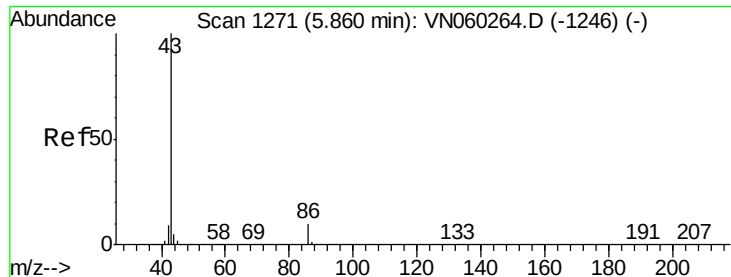
Delta R.T. -0.01 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion:	45	Resp:	130164
Ion	Ratio	Lower	Upper
45	100		
43	69.0	48.6	72.8
87	26.2	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 95.507 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 43 Resp: 523906

Ion Ratio Lower Upper

43 100

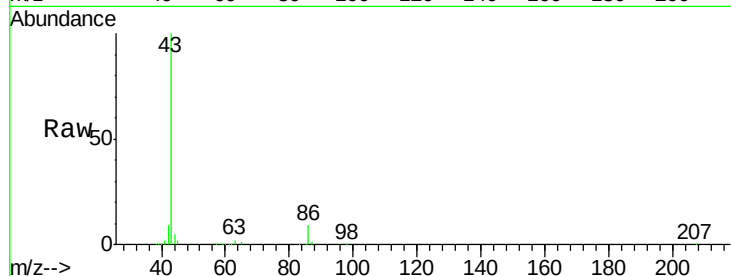
86 9.2 8.0 12.0

Manual Integrations

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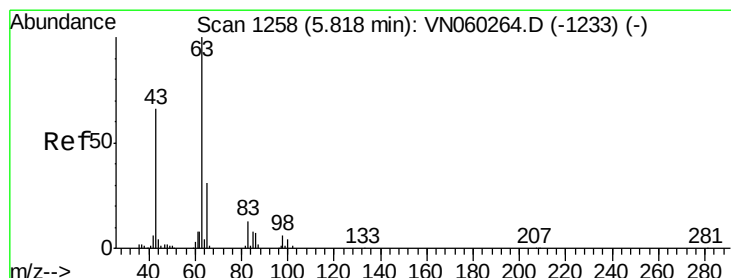
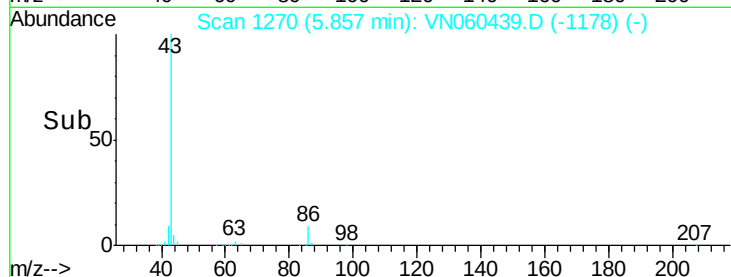
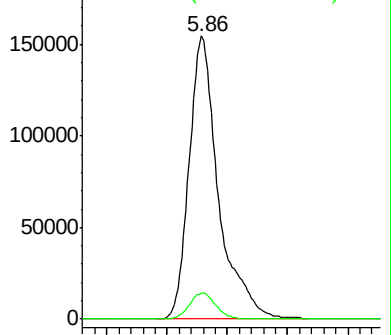
MMDadoda

3/12/2020 2:45:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.059 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

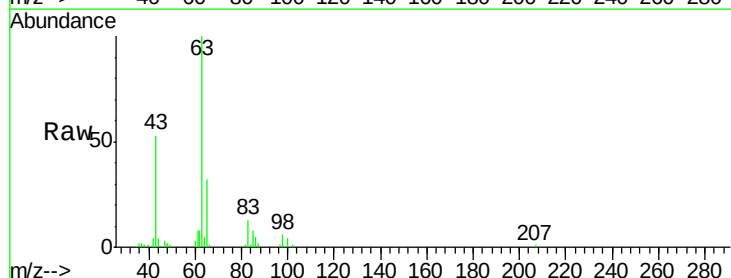
Tgt Ion: 63 Resp: 70567

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

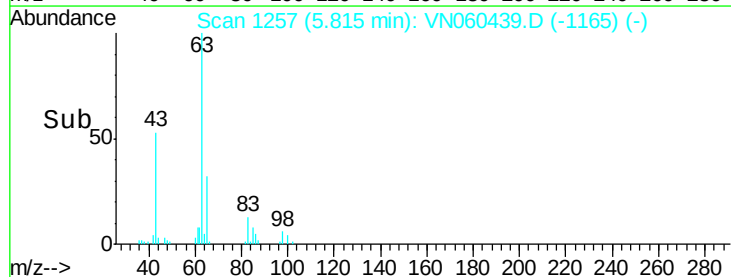
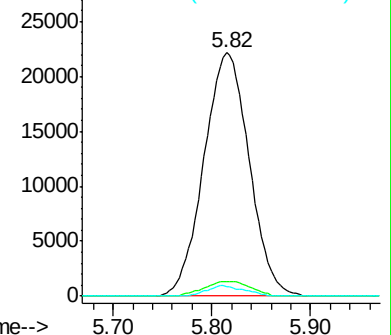
100 4.0 2.0 6.0

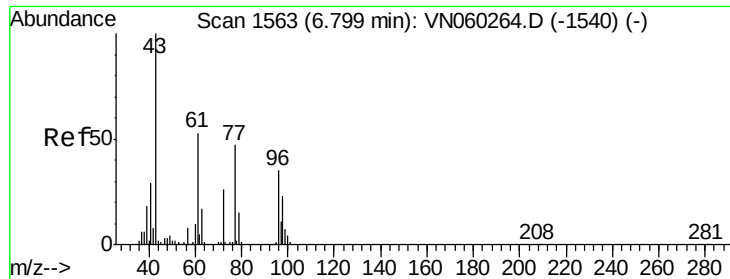


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 99.990 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 43 Resp: 128744

Ion Ratio Lower Upper

43 100

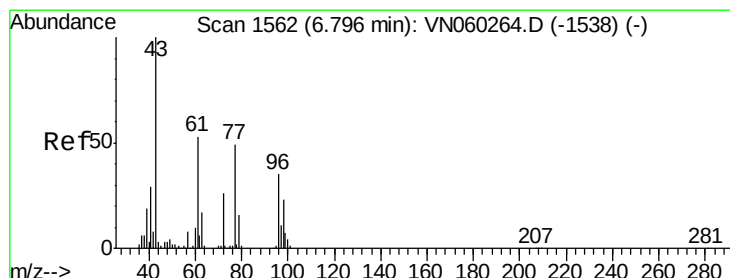
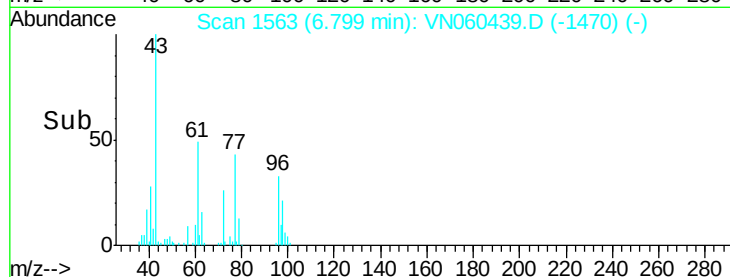
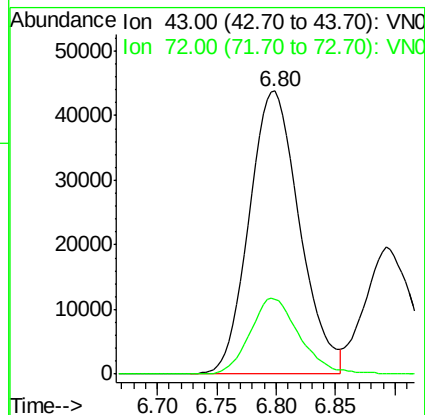
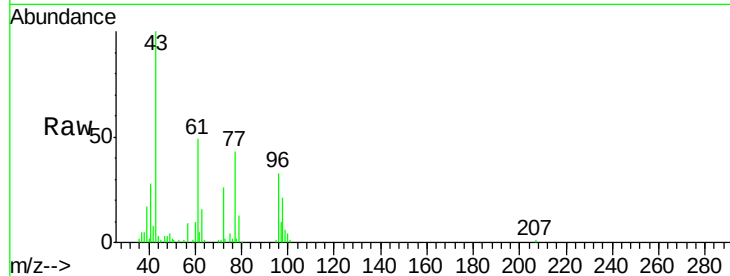
72 26.5 20.9 31.3

Manual Integrations

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MMDadoda

3/12/2020 2:45:30 PM



#26

2,2-Dichloropropane

Concen: 17.528 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060439.D

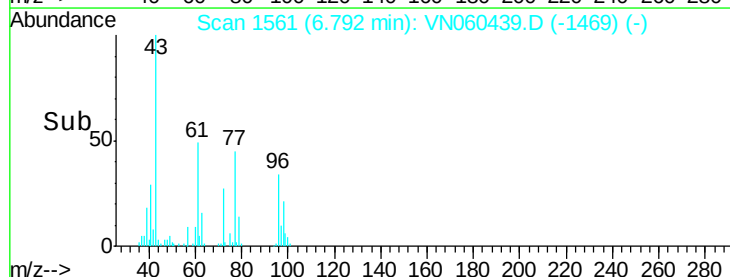
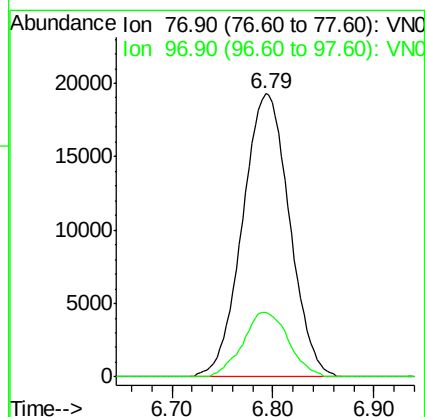
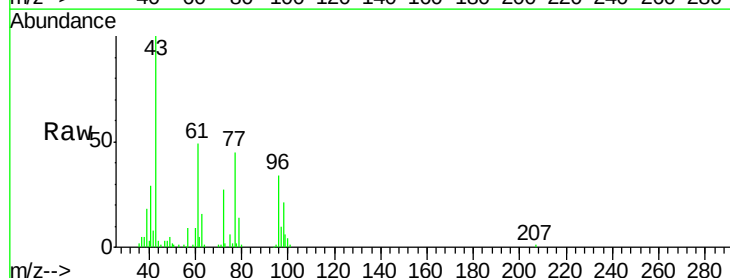
Acq: 11 Mar 2020 11:02

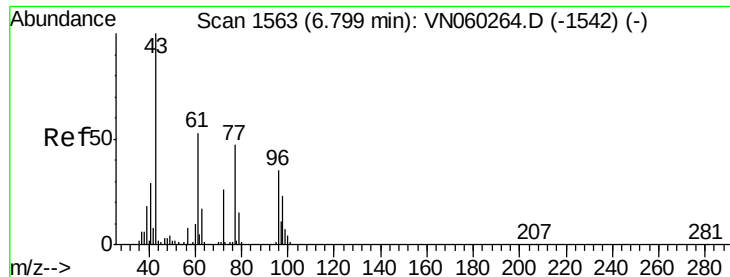
Tgt Ion: 77 Resp: 62357

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.994 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

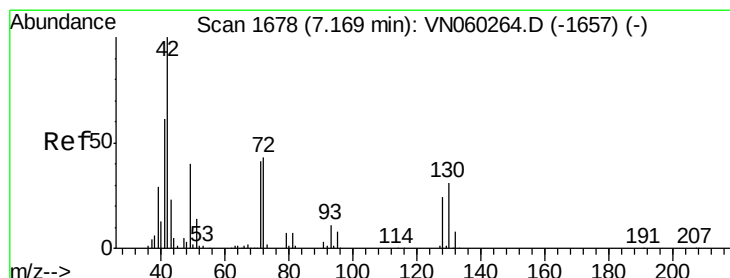
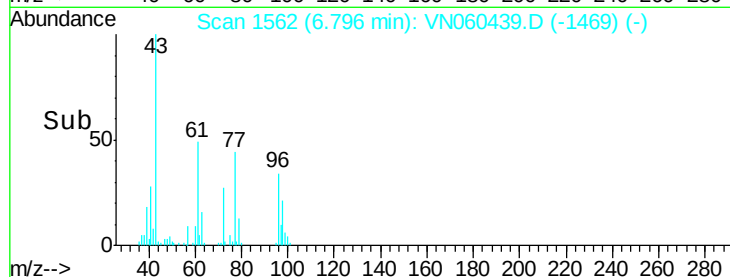
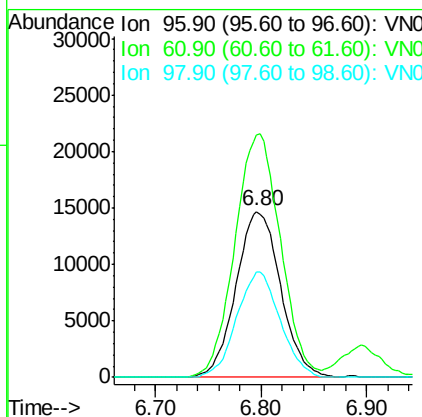
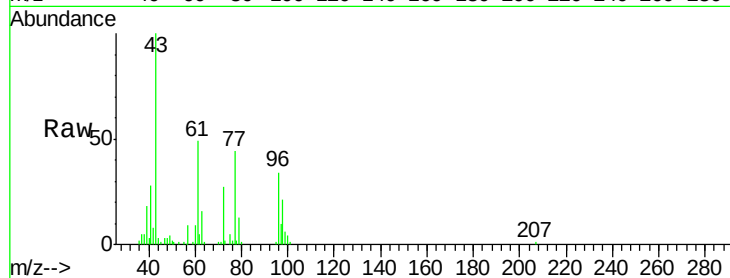
ClientSampleId :

VN0311WBSD01

Tot Ion:	96	Resp:	43140
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	300.8
98	62.0	0.0	128.2

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3/12/2020 2:45:30 PM



#28

Bromochloromethane

Concen: 18.933 ug/l

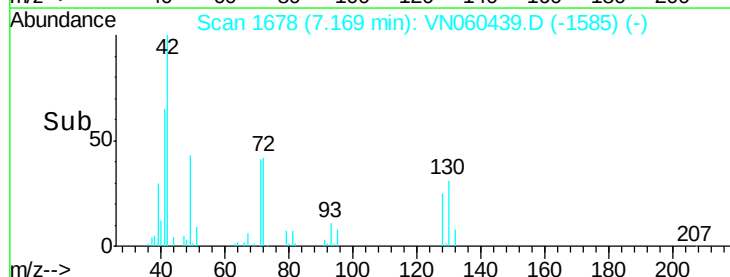
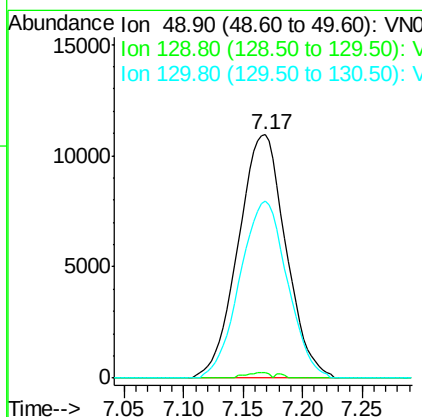
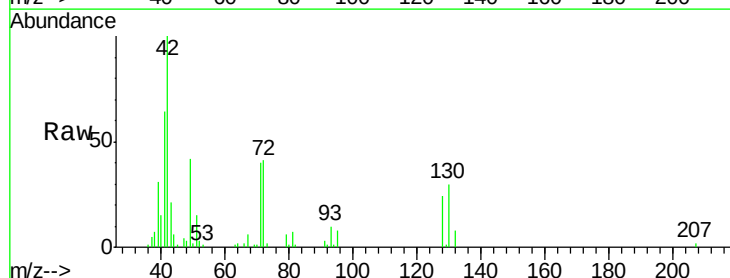
RT: 7.17 min Scan# 1678

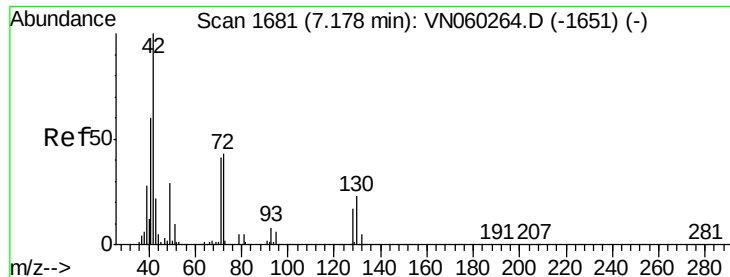
Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion:	49	Resp:	30376
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	72.3	59.8	89.8





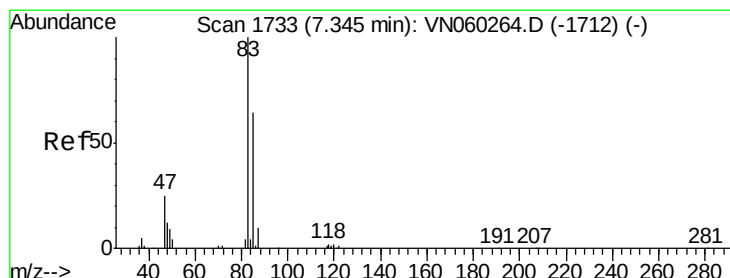
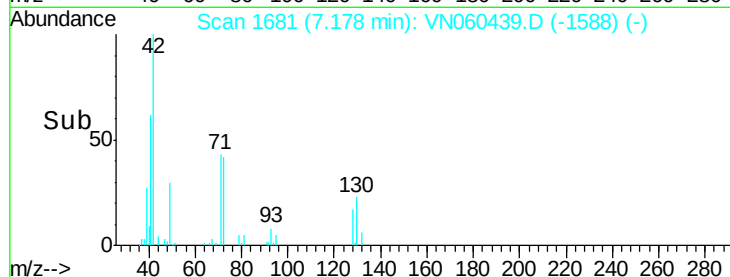
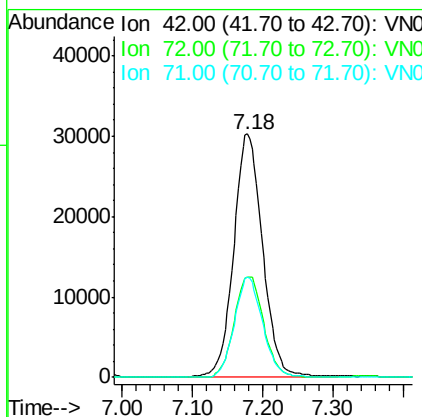
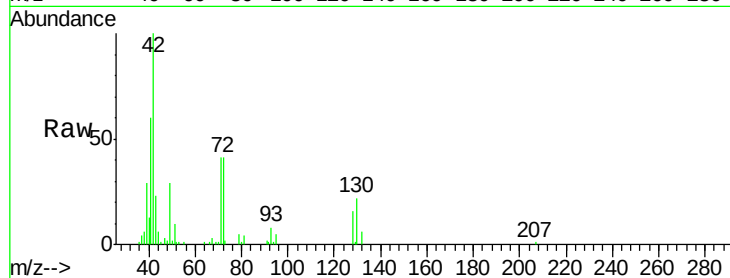
#29
Tetrahydrofuran
Concen: 97.188 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.6	52.0
71	40.0	32.9	49.3

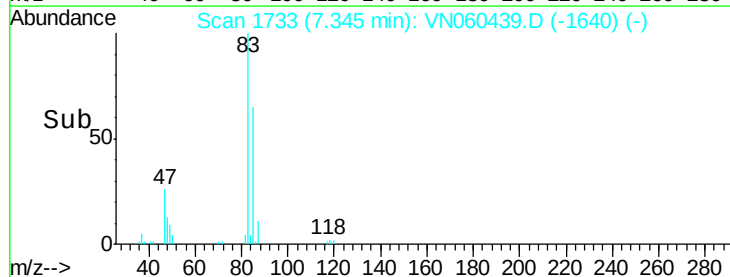
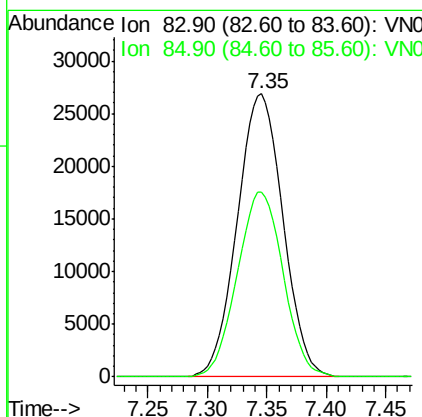
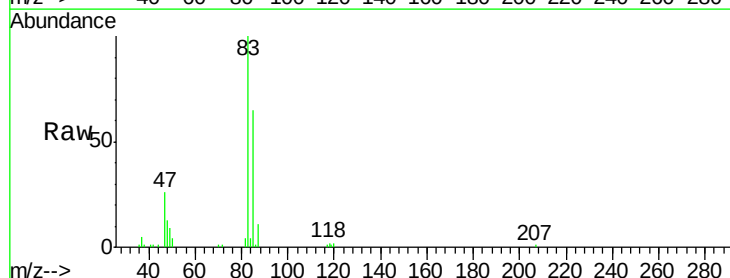
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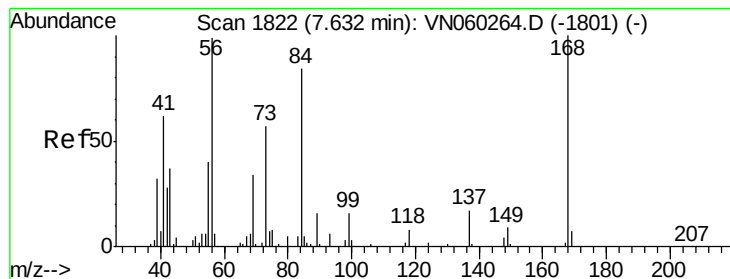
MMDadoda
3/12/2020 2:45:30 PM



#30
Chloroform
Concen: 18.407 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





#31

Cyclohexane

Concen: 17.093 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

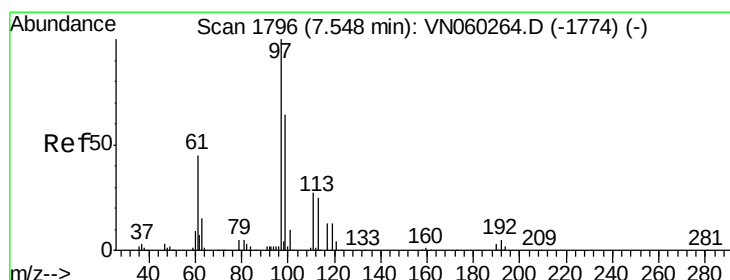
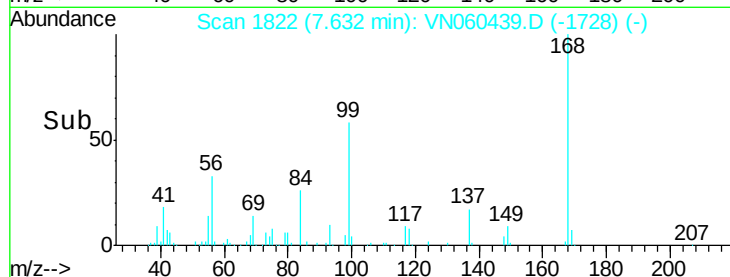
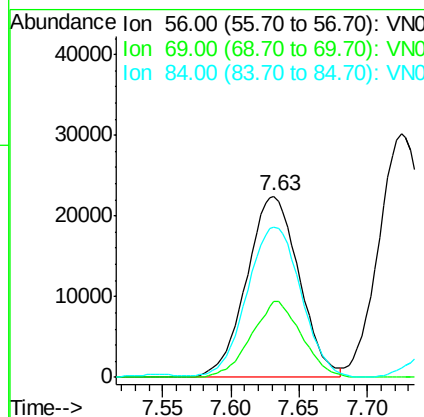
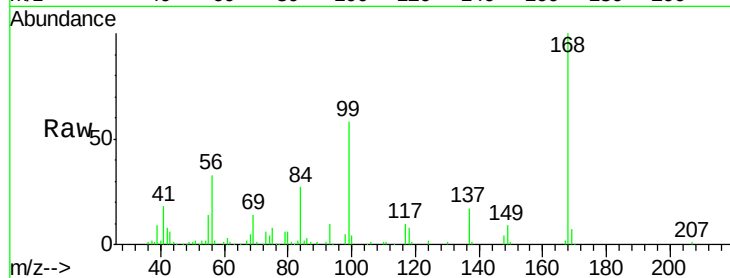
ClientSampleId :

VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.7	27.2	40.8#
84	82.3	66.7	100.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.291 ug/l

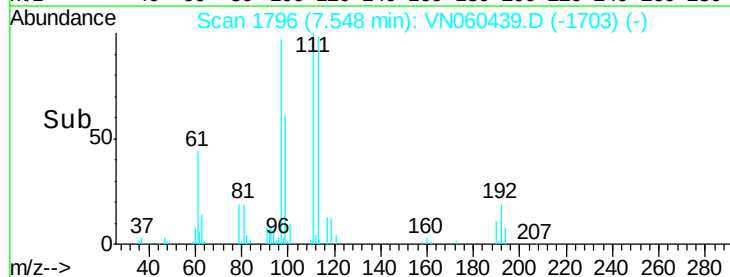
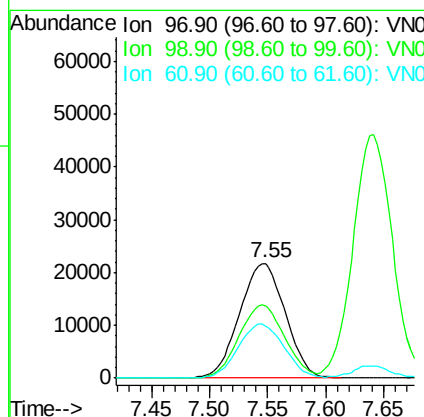
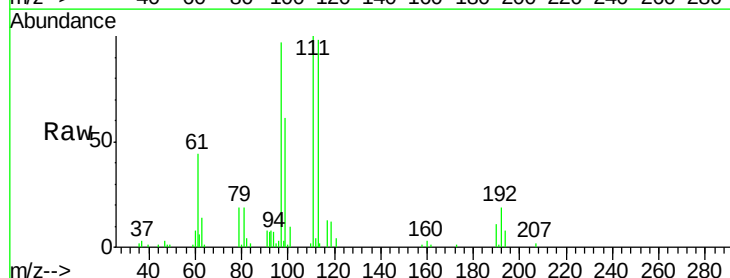
RT: 7.55 min Scan# 1796

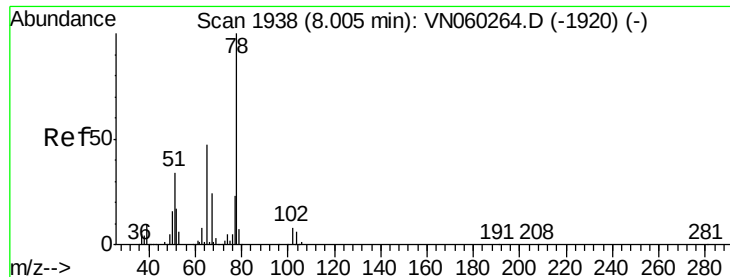
Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	47.1	36.6	55.0





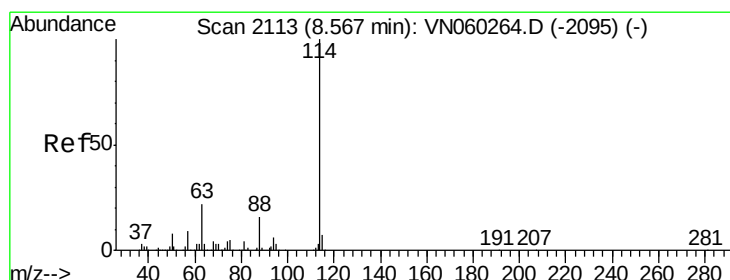
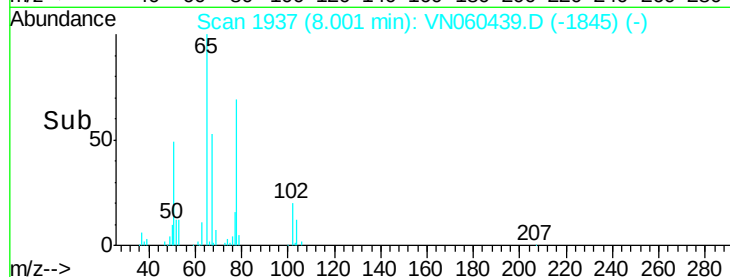
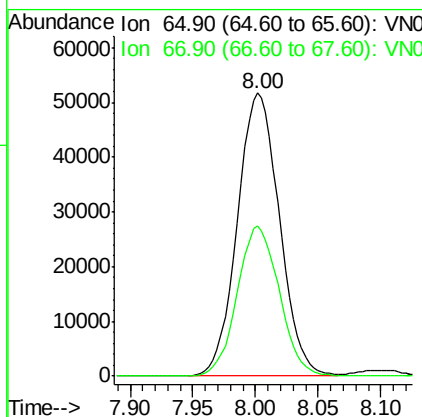
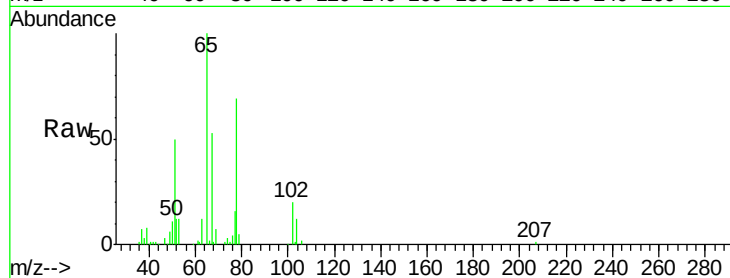
#33
 1,2-Dichloroethane-d4
 Concen: 48.918 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	103.8	

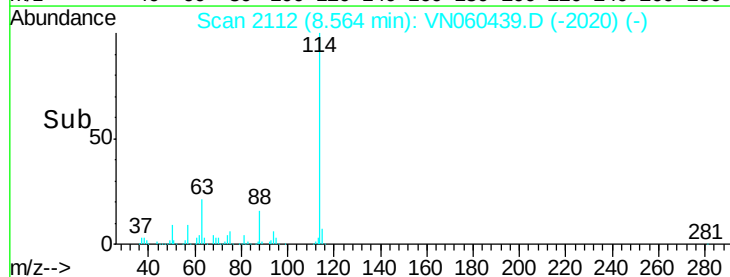
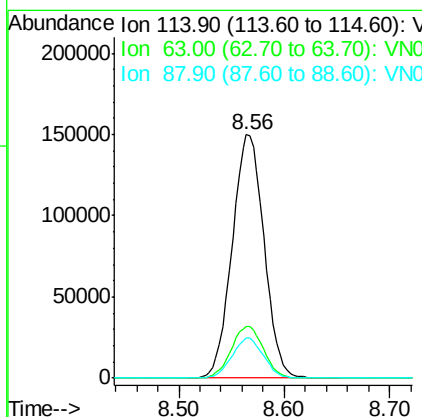
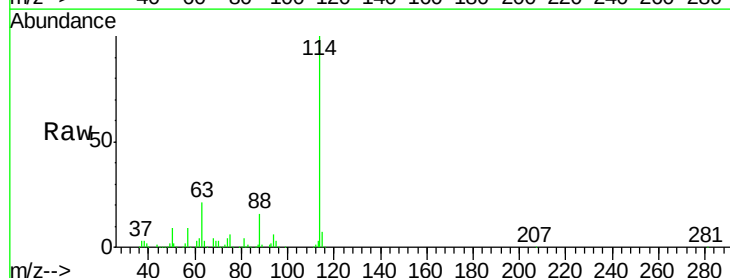
Manual Integrations
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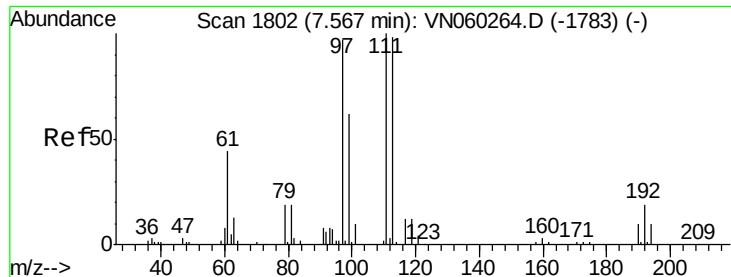
MMDadoda
 3/12/2020 2:45:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	43.2	
88	16.3	0.0	31.6	





#35

Dibromofluoromethane

Concen: 61.481 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

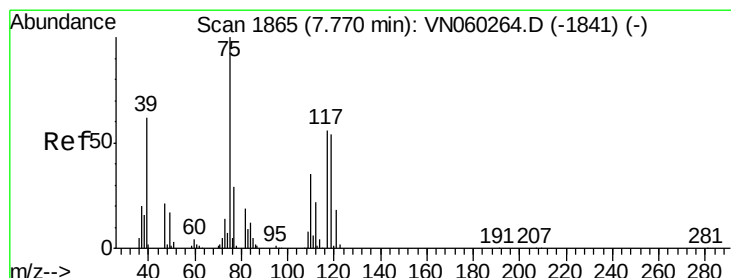
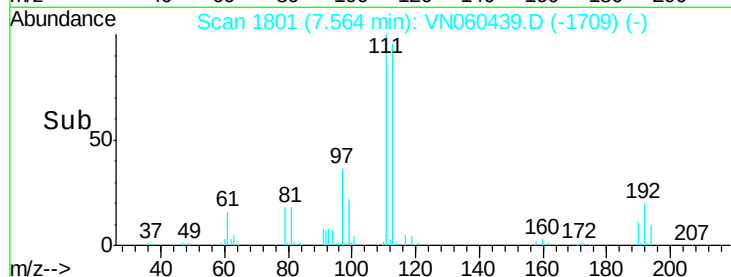
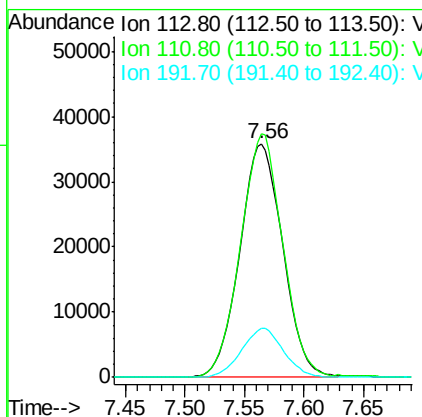
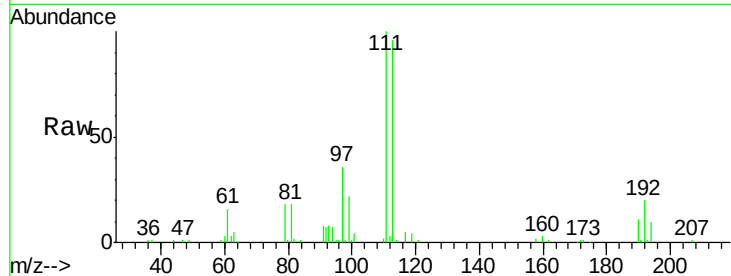
ClientSampleId :

VN0311WBSD01

Tot Ion:	113	Resp:	89646
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	20.5	16.2	24.2

Manual Integrations
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3/12/2020 2:45:30 PM



#36

1,1-Dichloropropene

Concen: 16.708 ug/l

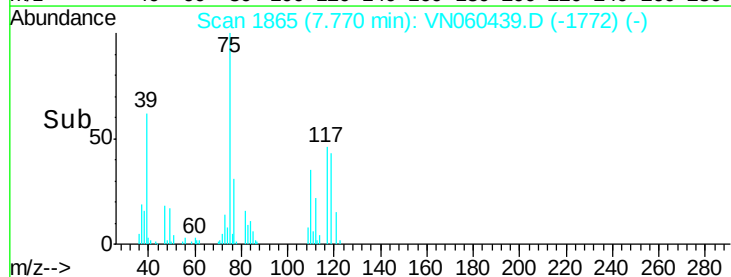
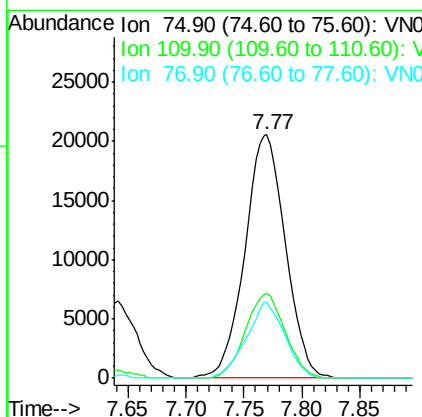
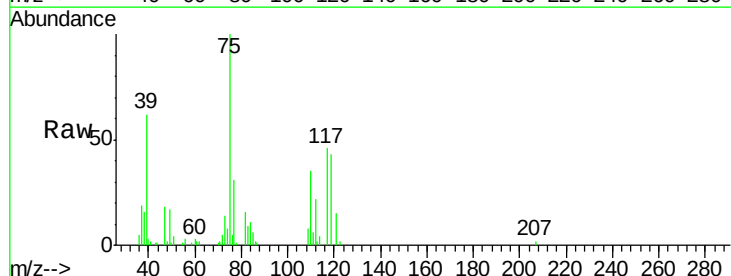
RT: 7.77 min Scan# 1865

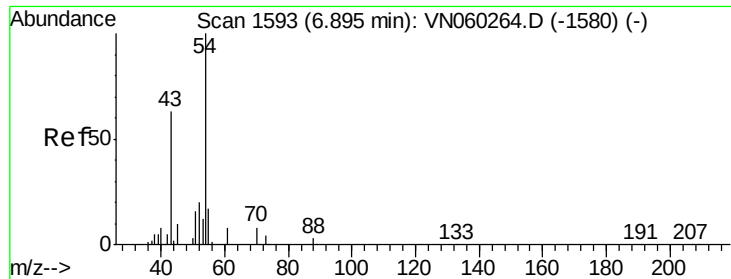
Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion:	75	Resp:	50020
Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.3	52.0
77	29.7	24.2	36.2





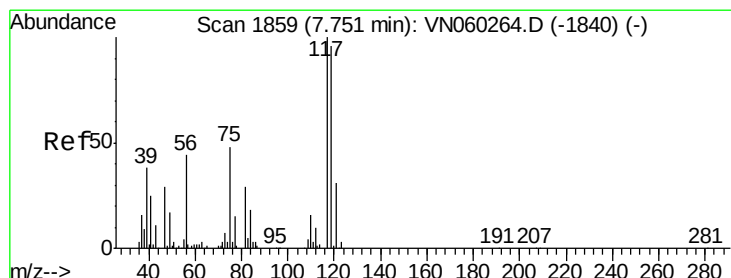
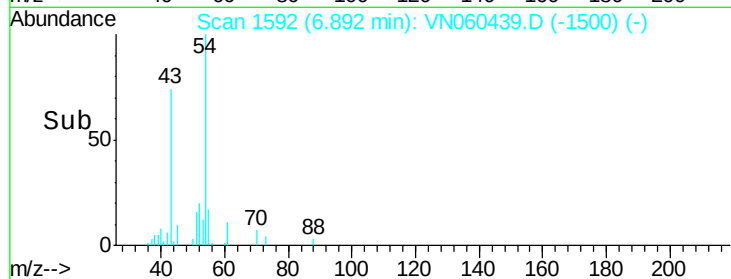
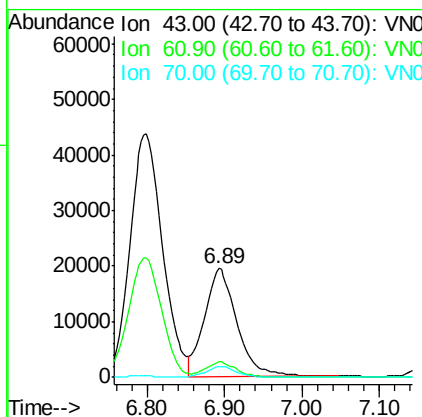
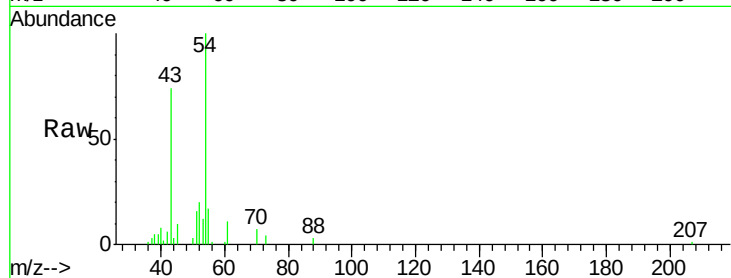
#37
Ethyl Acetate
Concen: 20.151 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.1	16.7
70	9.2	8.4	12.6

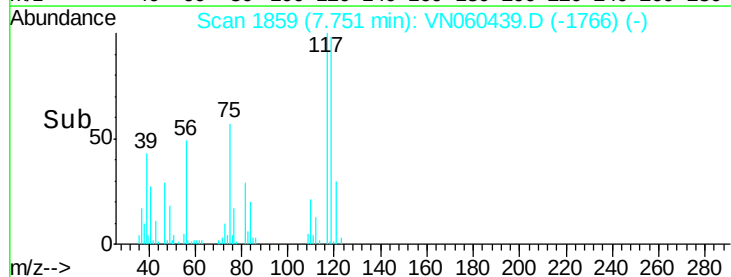
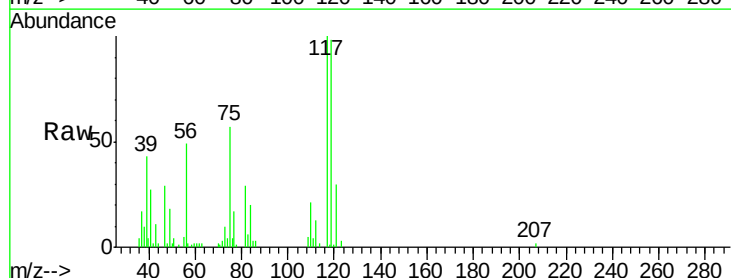
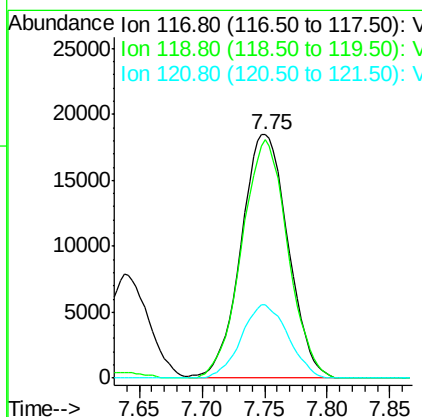
Manual Integrations
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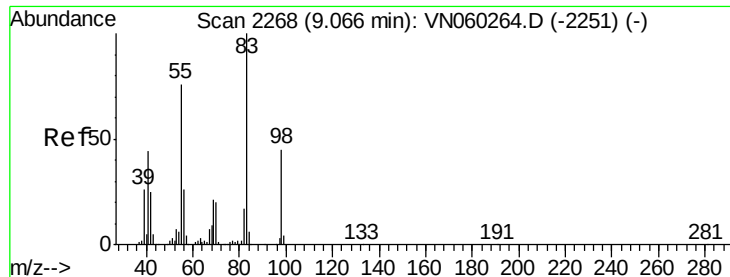
MMDadoda
3/12/2020 2:45:30 PM



#38
Carbon Tetrachloride
Concen: 16.511 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.7	115.1
121	29.9	24.5	36.7





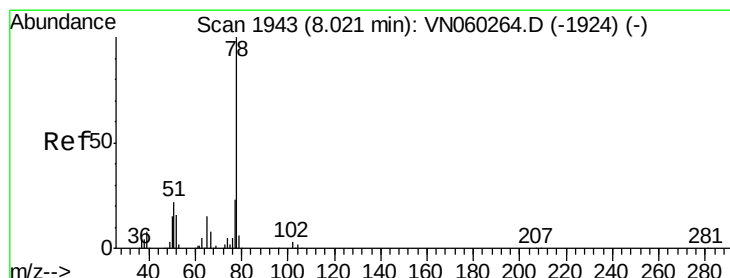
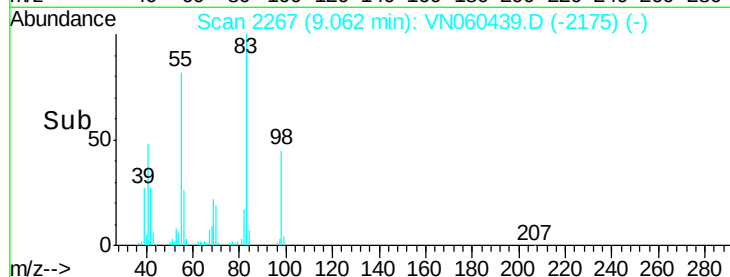
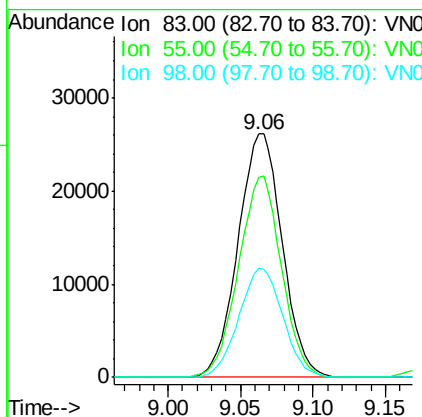
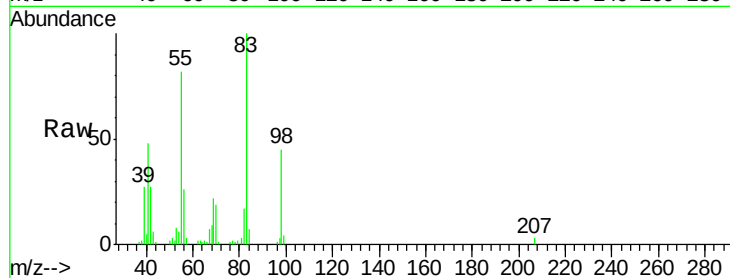
#39
Methylvlcyclohexane
Concen: 15.692 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	61.0	91.4
98	44.7	36.1	54.1

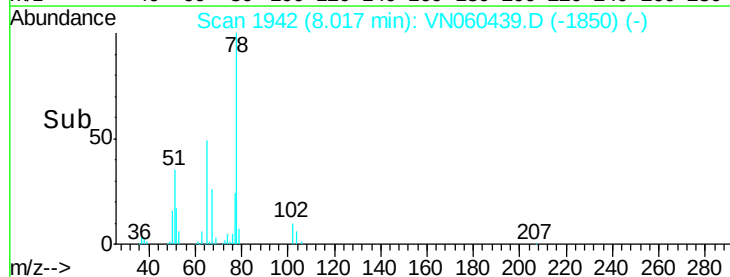
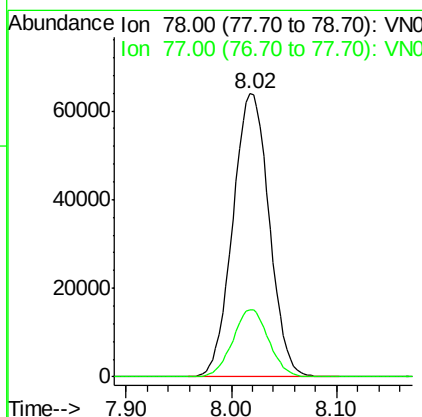
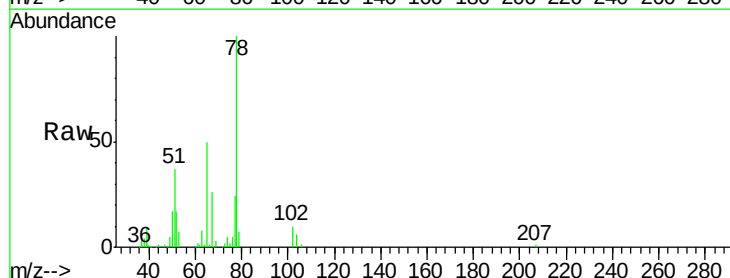
Manual Integrations
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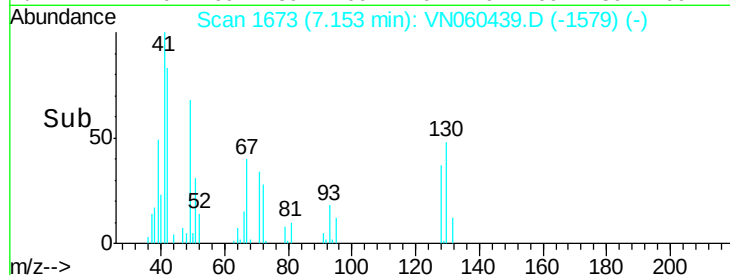
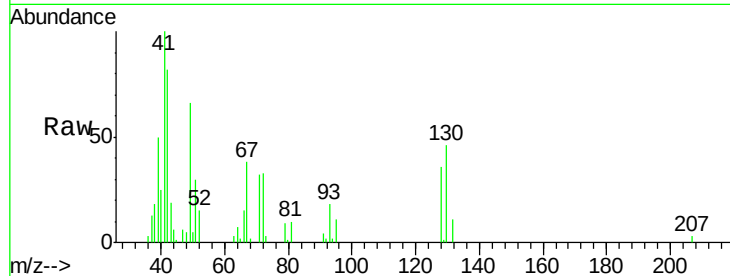
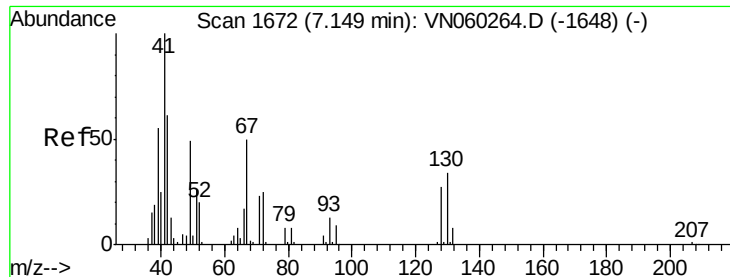
MMDadoda
3/12/2020 2:45:30 PM



#40
Benzene
Concen: 17.576 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





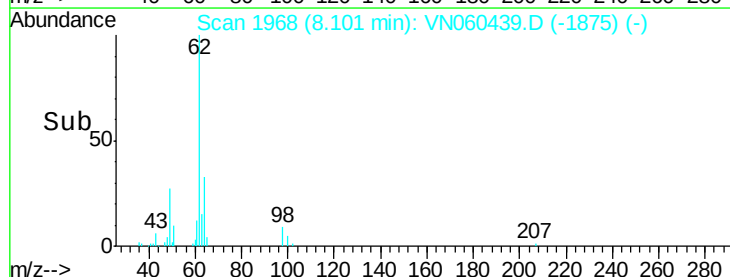
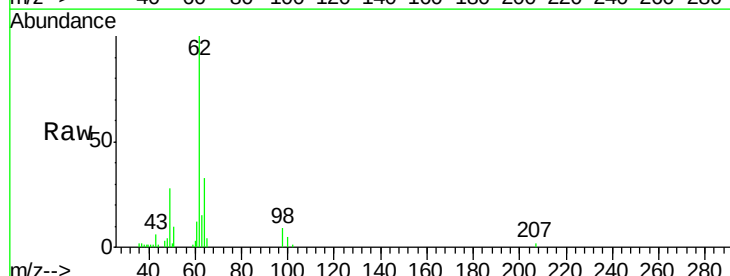
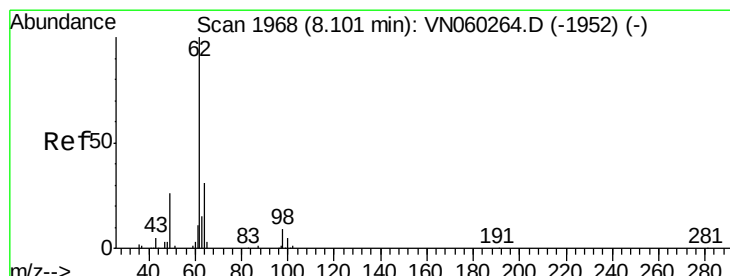
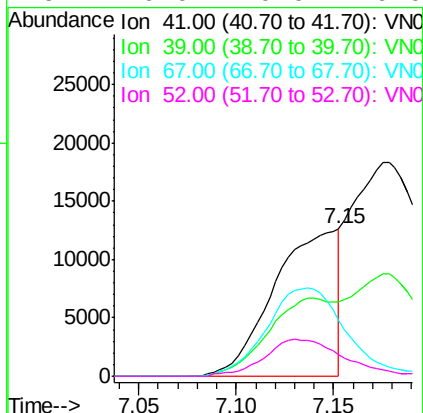
#41
Methacrylonitrile
Concen: 22.198 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

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

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

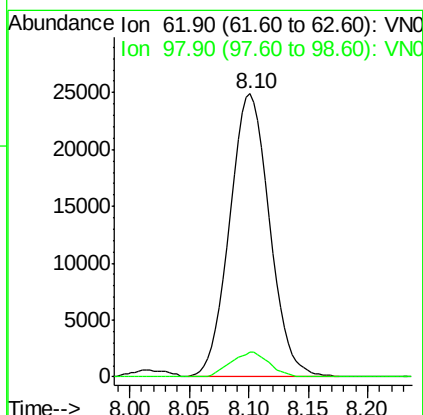
Manual Integrations
APPROVED

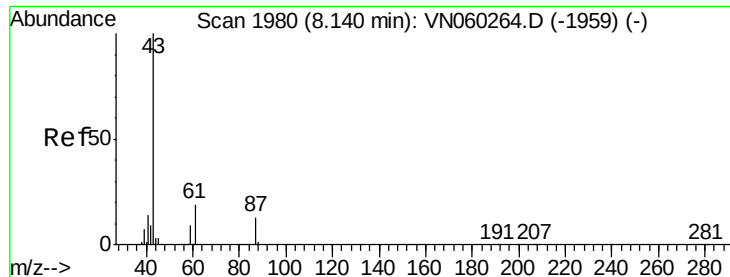
MMDadoda
3/12/2020 2:45:30 PM



#42
1,2-Dichloroethane
Concen: 18.449 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.339 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

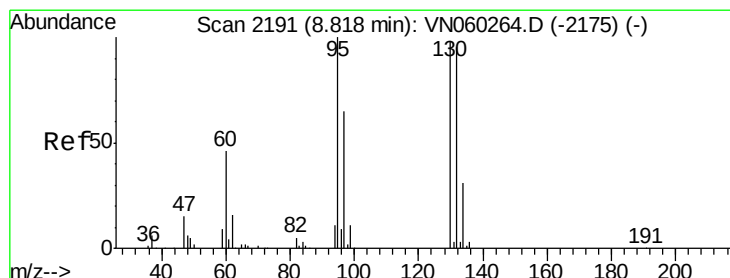
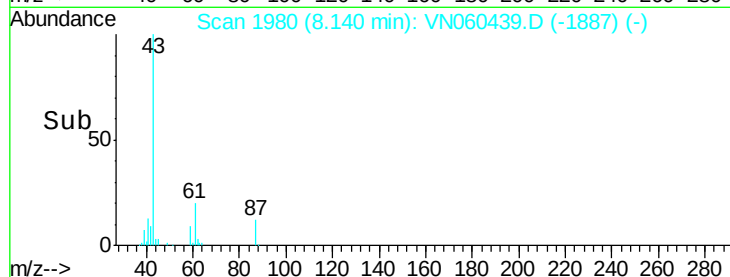
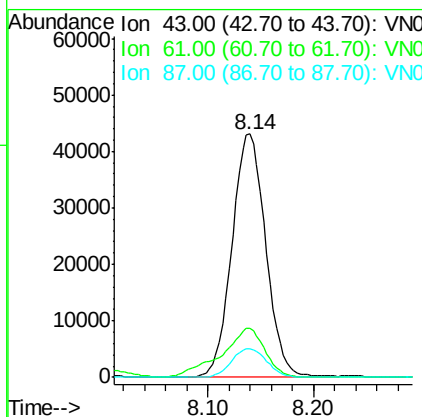
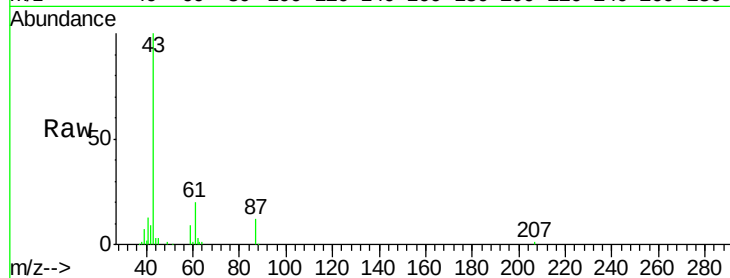
ClientSampleId :

VN0311WBSD01

Tot Ion:	43	Resp:	95974
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.9	31.3
87	12.2	10.6	16.0

Manual Integrations
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MMDadoda
3/12/2020 2:45:30 PM



#44

Trichloroethene

Concen: 16.891 ug/l

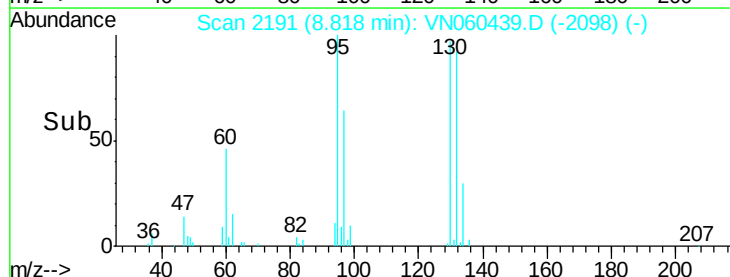
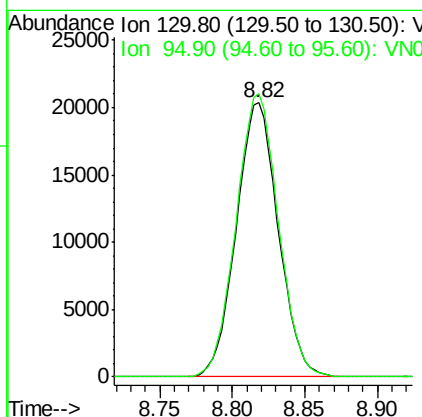
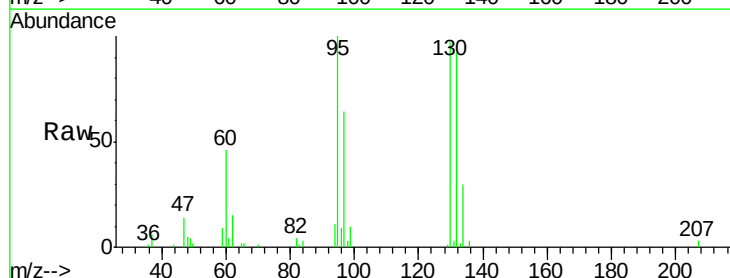
RT: 8.82 min Scan# 2191

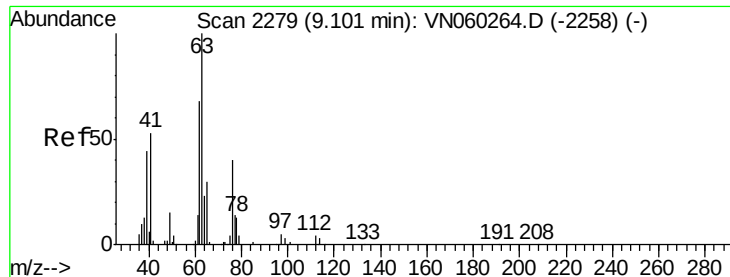
Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion:	130	Resp:	40991
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.082 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 63 Resp: 43473

Ion Ratio Lower Upper

63 100

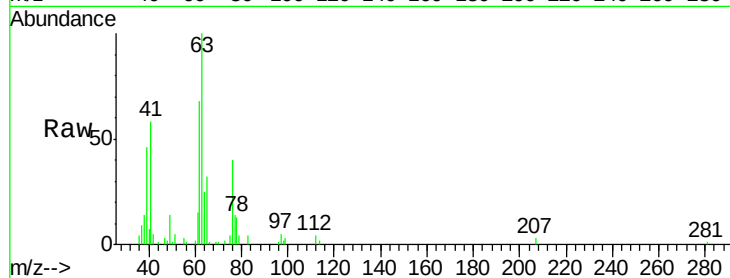
65 32.1 24.4 36.6

Manual Integrations

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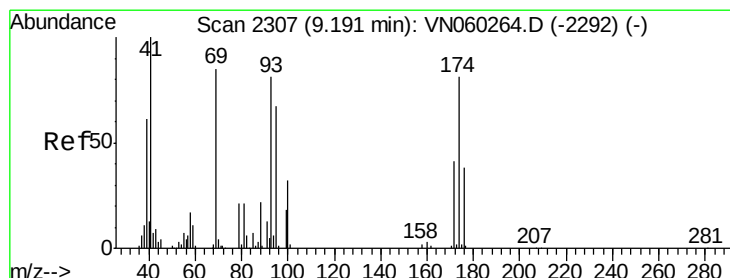
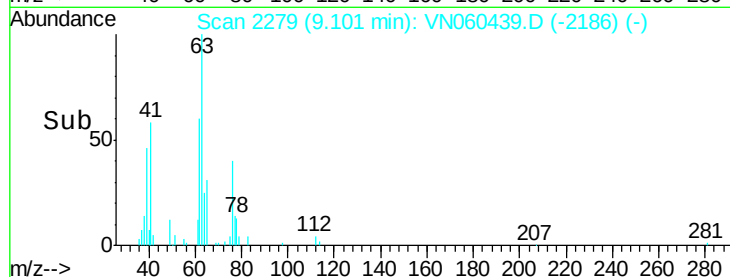
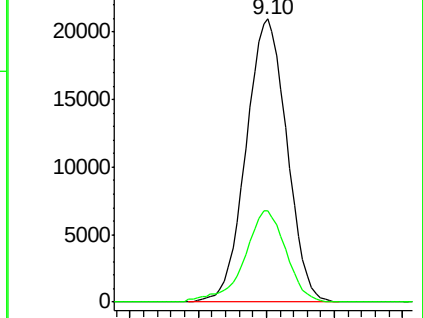
MMDadoda

3/12/2020 2:45:30 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.097 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

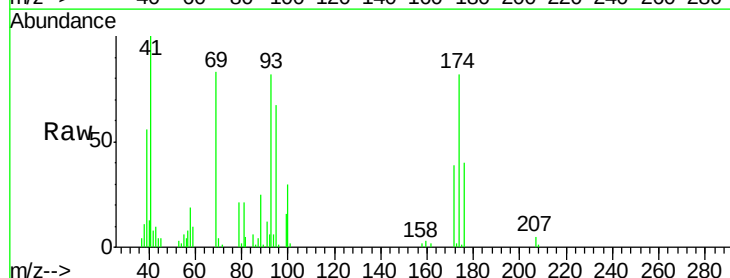
Tgt Ion: 93 Resp: 26752

Ion Ratio Lower Upper

93 100

95 82.0 65.9 98.9

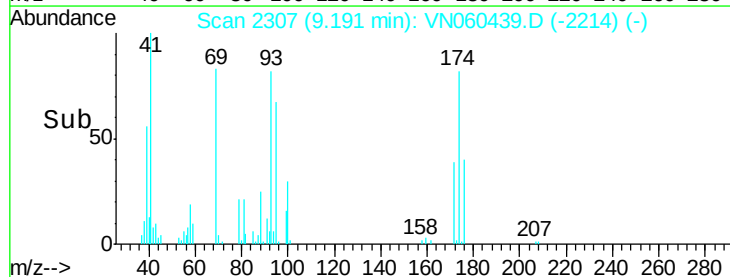
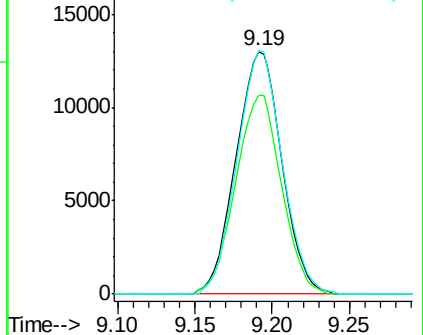
174 99.1 79.6 119.4

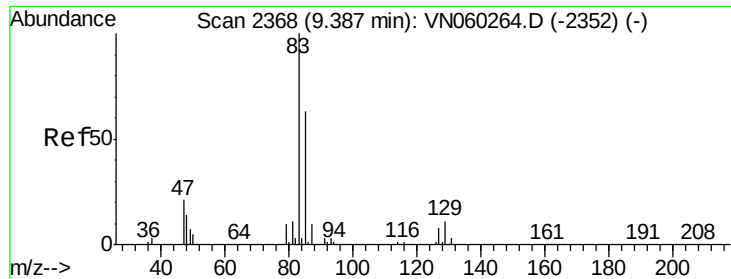


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





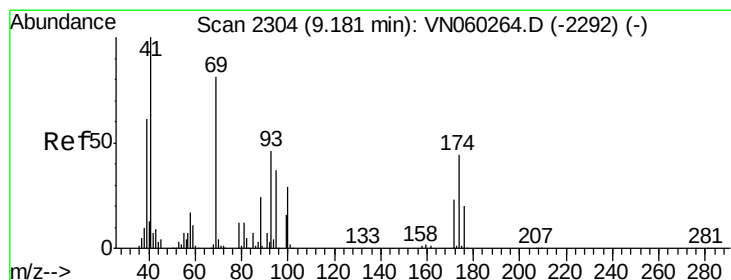
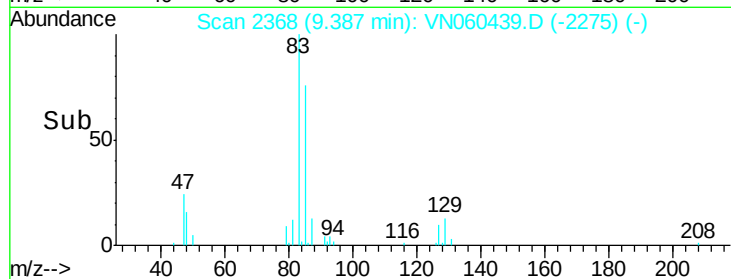
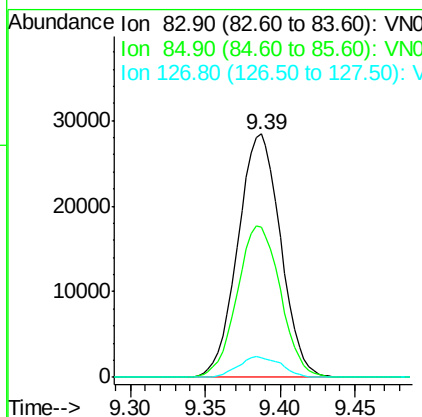
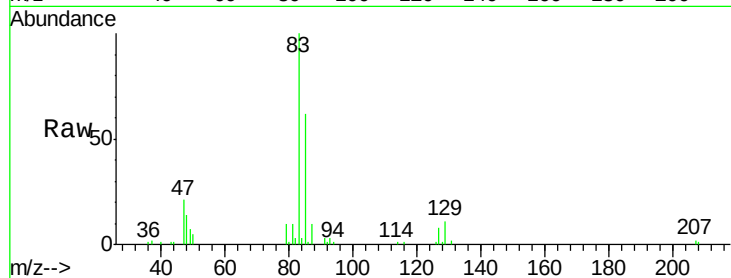
#47
 Bromodichloromethane
 Concen: 18.809 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion	83	Resp	56552
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	50.7	76.1
127	8.2	6.8	10.2

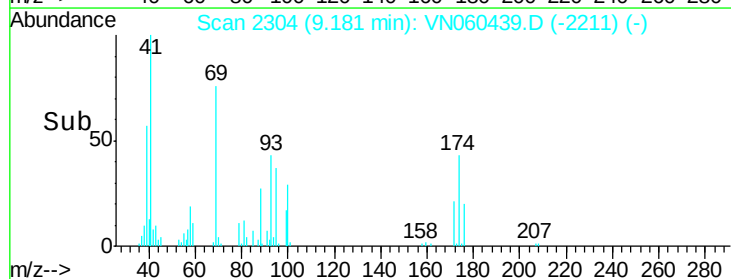
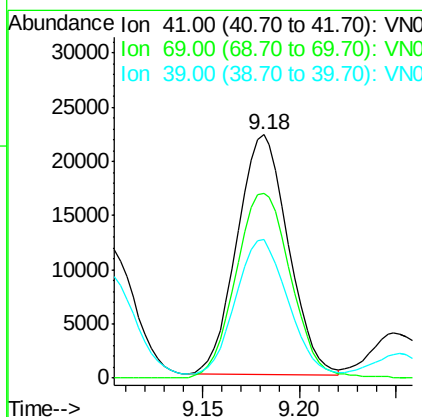
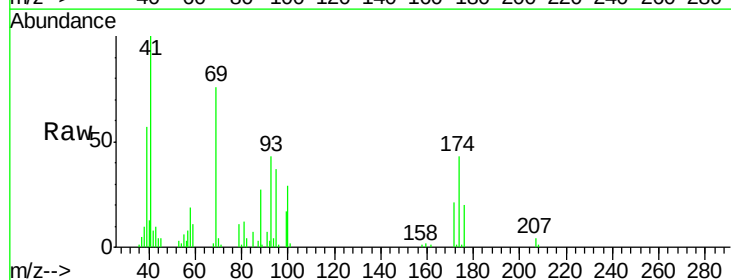
Manual Integrations
 APPROVED

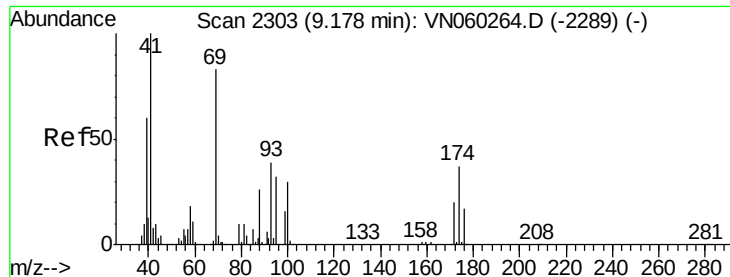
MMDadoda
 3/12/2020 2:45:30 PM



#48
 Methyl methacrylate
 Concen: 18.052 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	41	Resp	40853
Ion Ratio	100	Lower	Upper
41	100		
69	82.7	66.7	100.1
39	57.4	50.1	75.1





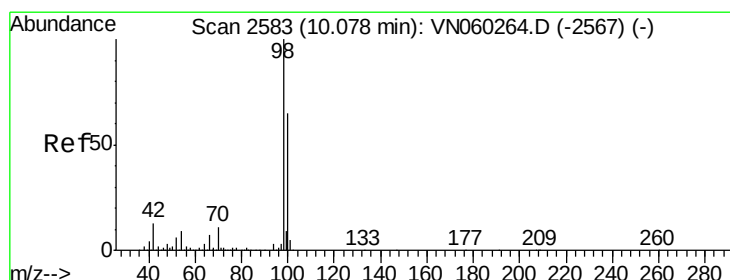
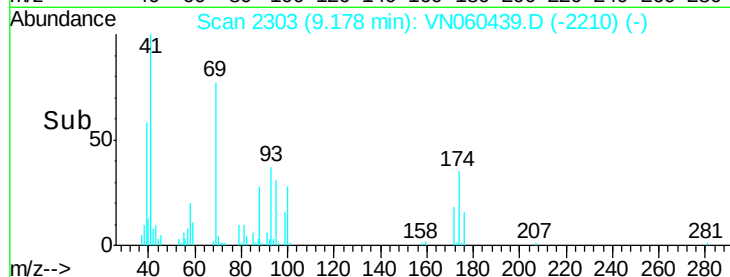
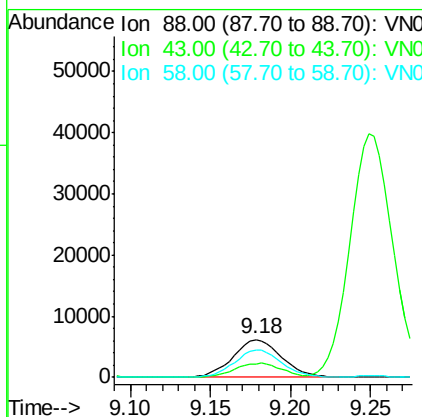
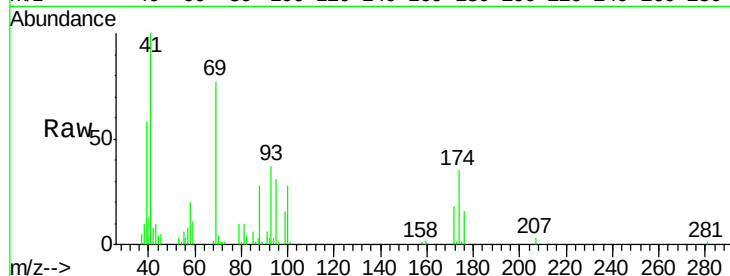
#49
1,4-Dioxane
Concen: 399.839 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	88	Resp	12725
Ion Ratio	Lower	Upper	
88	100		
43	36.7	30.4	45.6
58	70.5	57.0	85.6

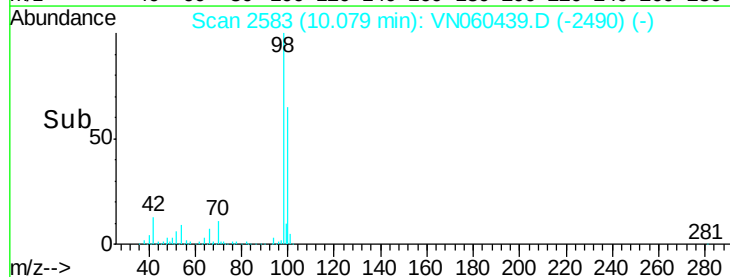
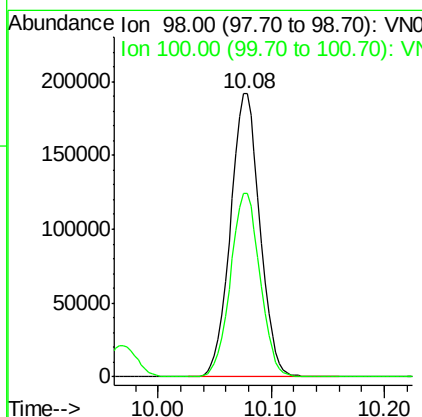
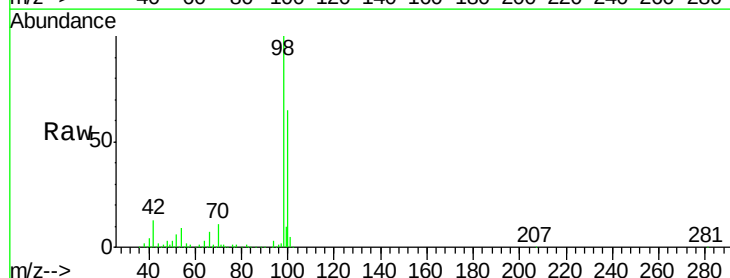
Manual Integrations
APPROVED

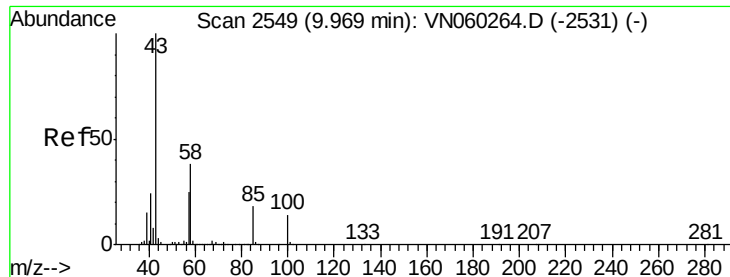
MMDadoda
3/12/2020 2:45:30 PM



#50
Toluene-d8
Concen: 47.006 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	98	Resp	346886
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 98.877 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 43 Resp: 278221

Ion Ratio Lower Upper

43 100

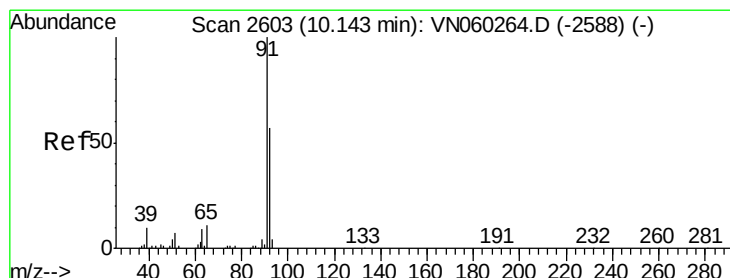
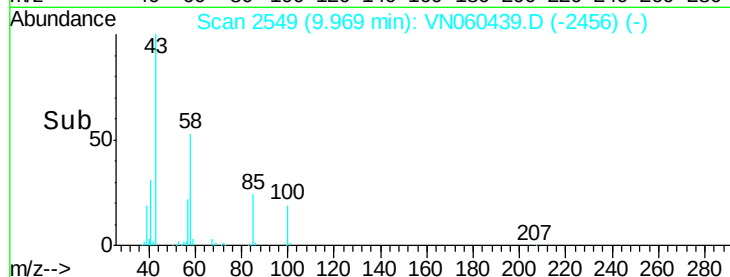
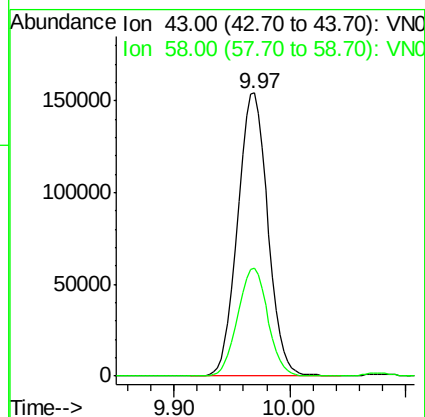
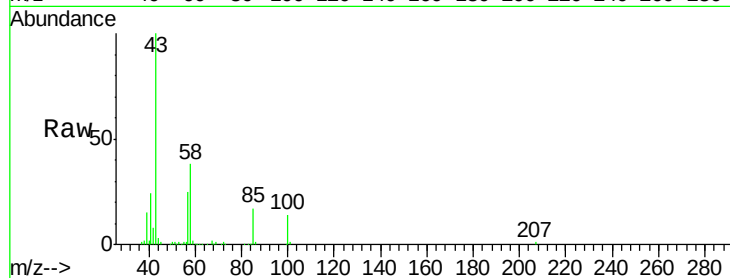
58 38.1 30.9 46.3

Manual Integrations

APPROVED

MMDadoda

3/12/2020 2:45:30 PM



#52

Toluene

Concen: 17.367 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060439.D

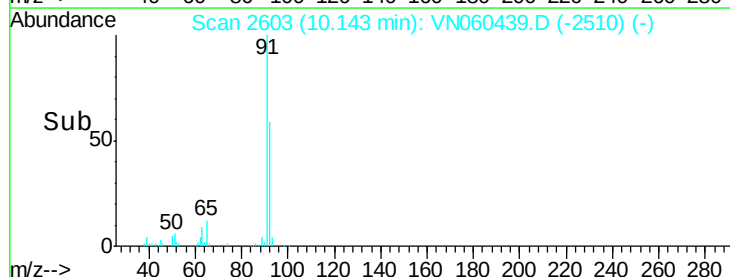
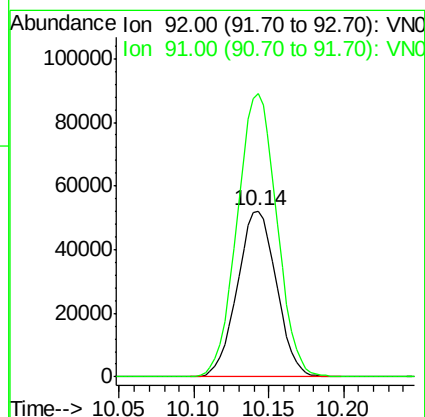
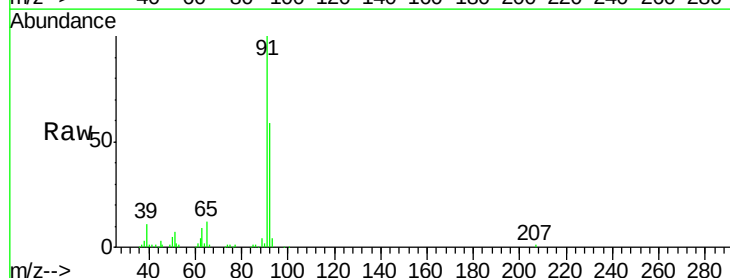
Acq: 11 Mar 2020 11:02

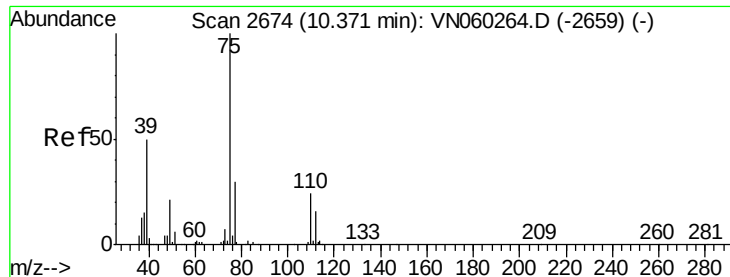
Tgt Ion: 92 Resp: 95060

Ion Ratio Lower Upper

92 100

91 173.2 138.1 207.1





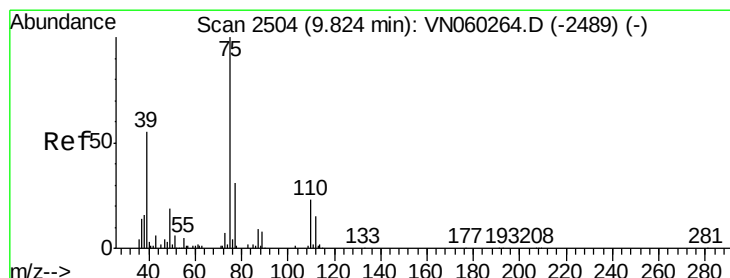
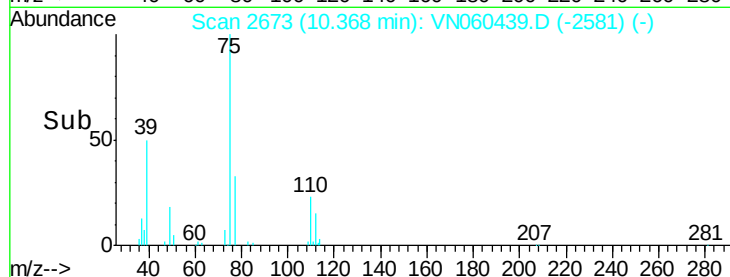
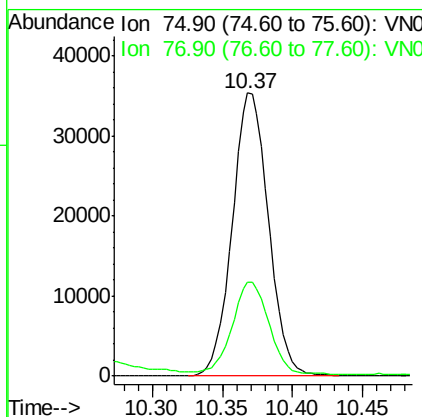
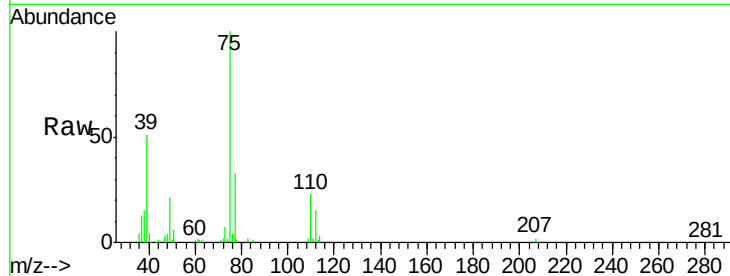
#53
t-1,3-Dichloropropene
Concen: 17.282 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.8	37.2

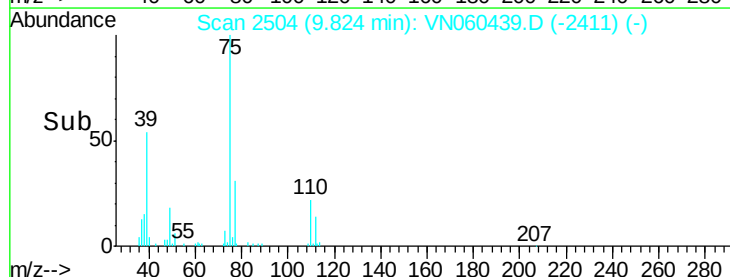
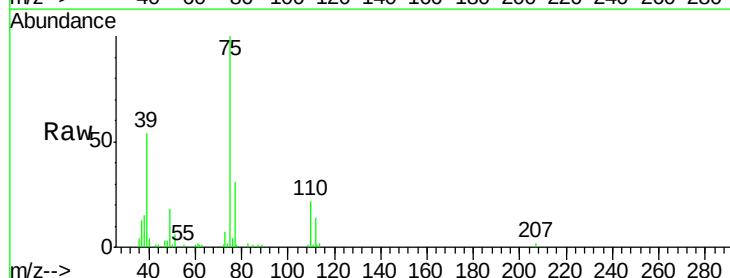
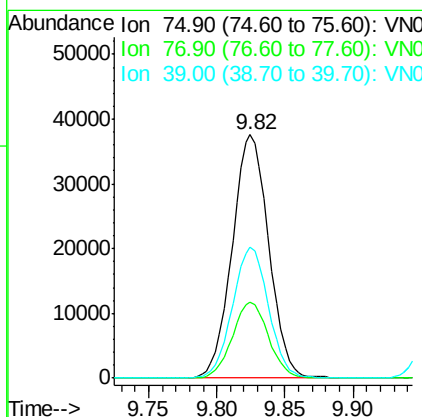
Manual Integrations
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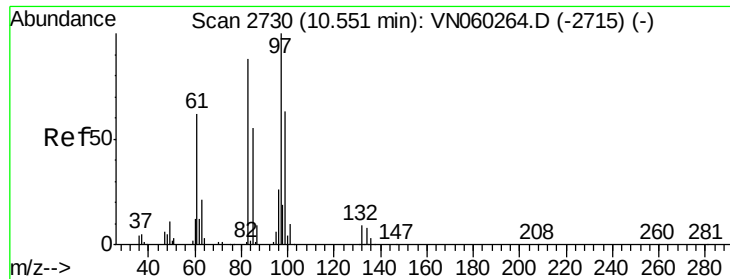
MMDadoda
3/12/2020 2:45:30 PM



#54
cis-1,3-Dichloropropene
Concen: 18.265 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2
39	53.7	43.8	65.8





#55

1,1,2-Trichloroethane

Concen: 18.134 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 97 Resp: 39916

Ion Ratio Lower Upper

97 100

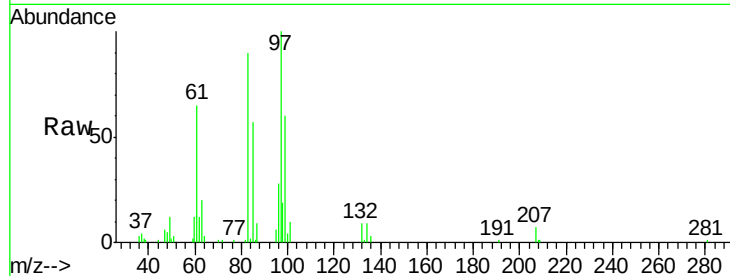
83 90.4 70.0 105.0

85 57.5 44.0 66.0

99 60.3 50.4 75.6

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:30 PM

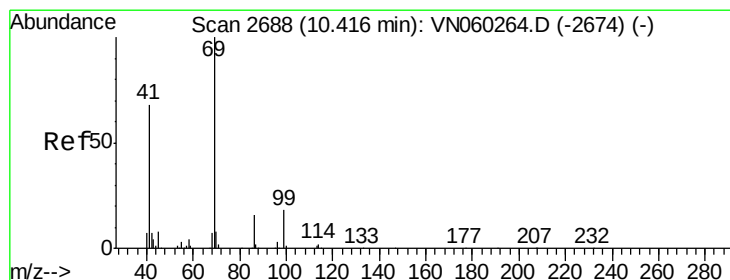
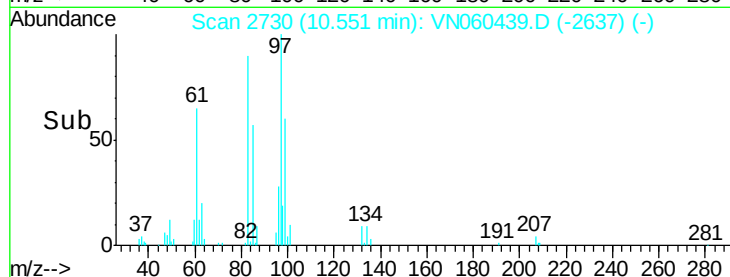
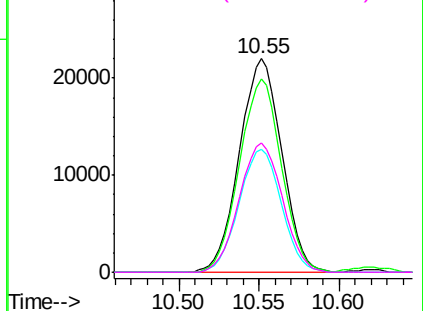


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.293 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

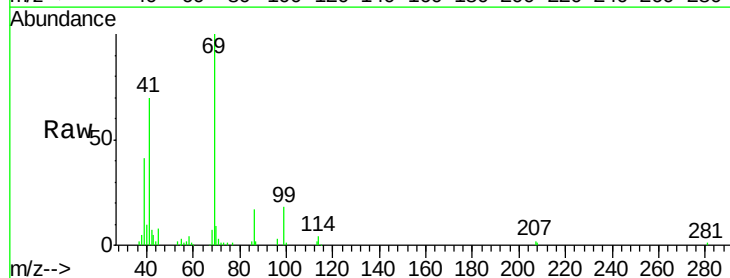
Tgt Ion: 69 Resp: 57849

Ion Ratio Lower Upper

69 100

41 71.7 54.1 81.1

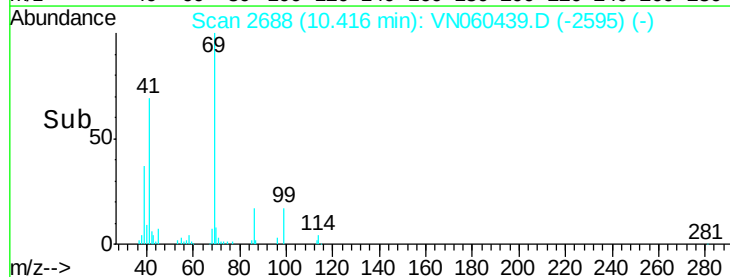
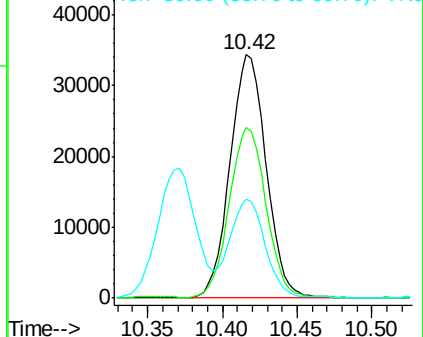
39 40.7 32.5 48.7

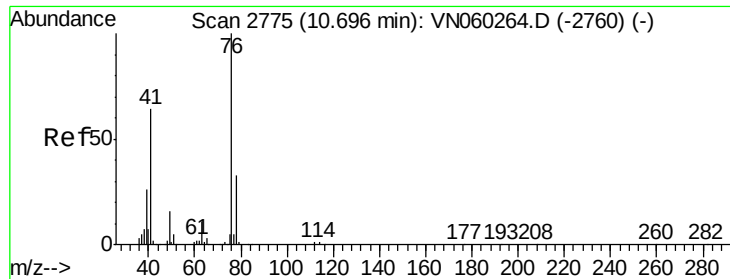


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





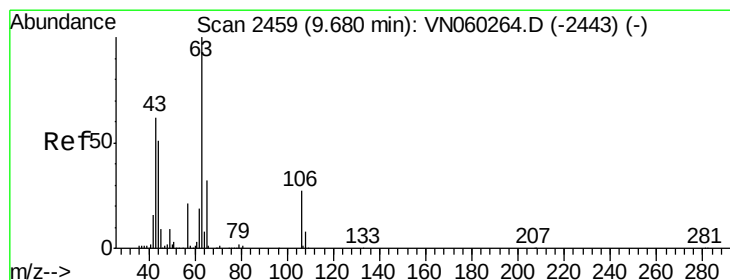
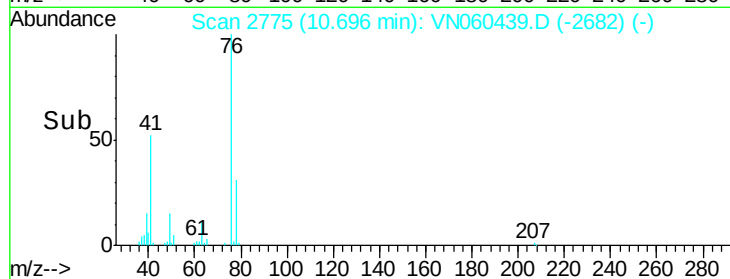
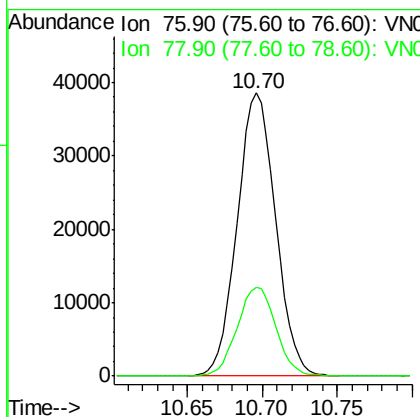
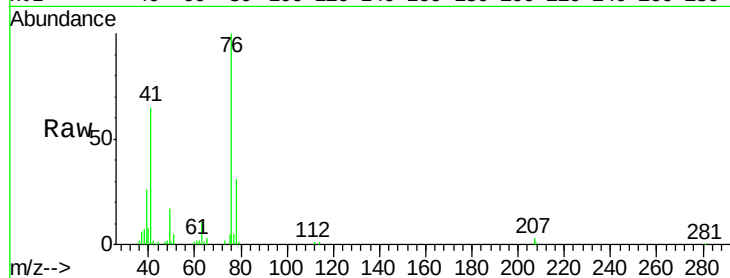
#57
 1,3-Dichloropropane
 Concen: 19.220 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.2	39.2

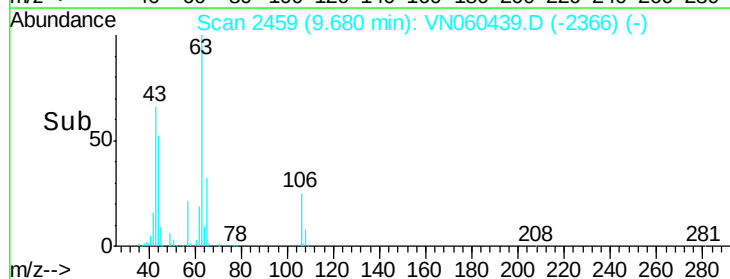
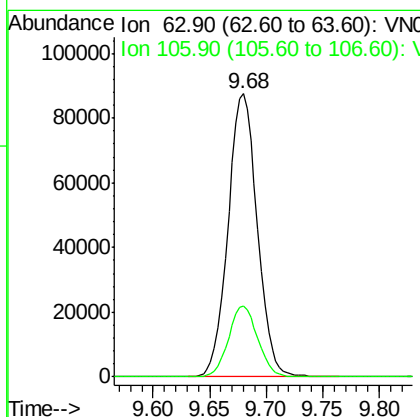
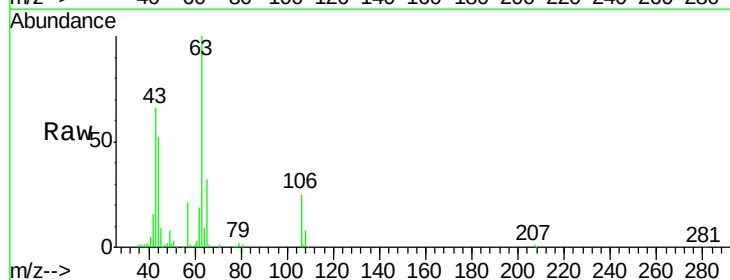
Manual Integrations
 APPROVED

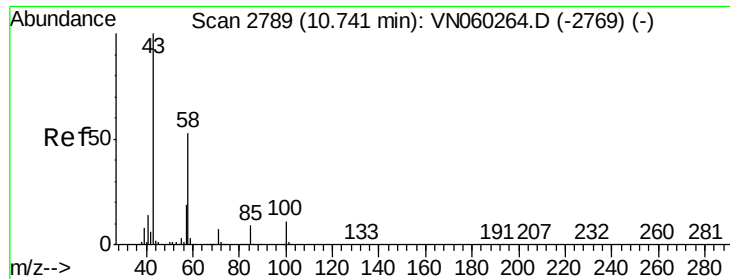
MMDadoda
 3/12/2020 2:45:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.252 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	21.1	31.7





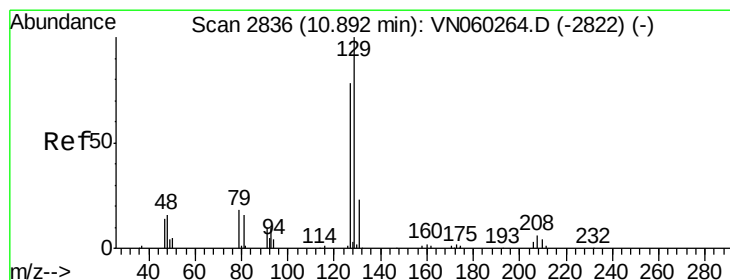
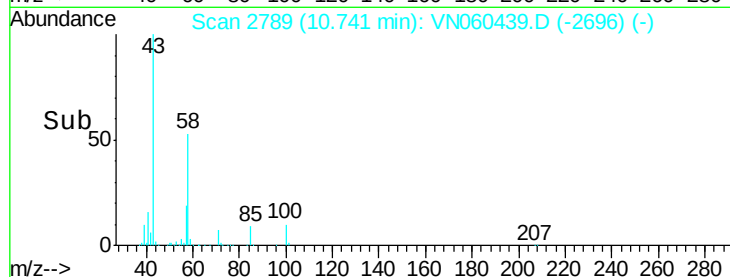
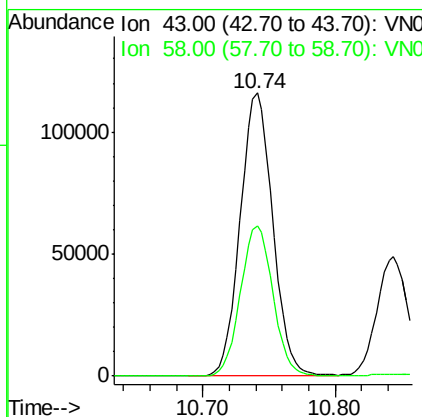
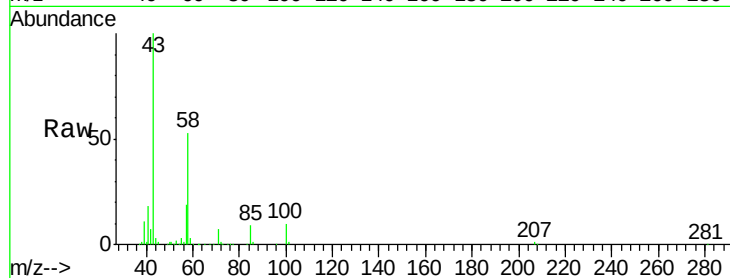
#59
2-Hexanone
Concen: 95.959 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	43	Resp	198249
Ion Ratio	43	100	
Lower	58	53.0	26.5
Upper			79.5

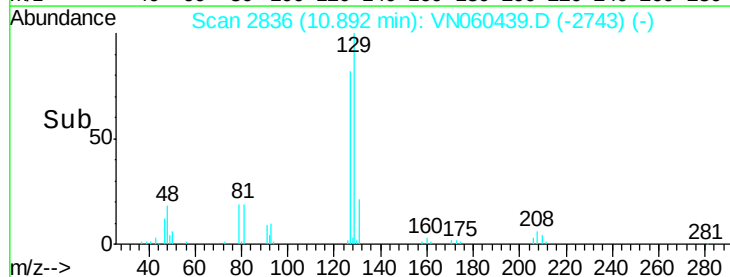
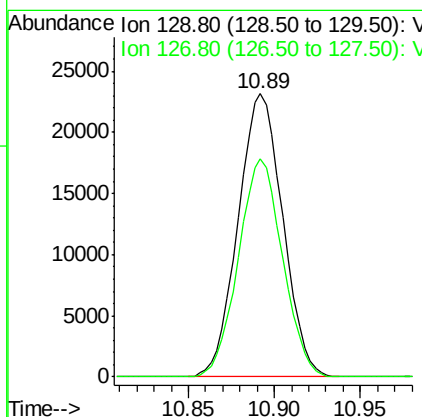
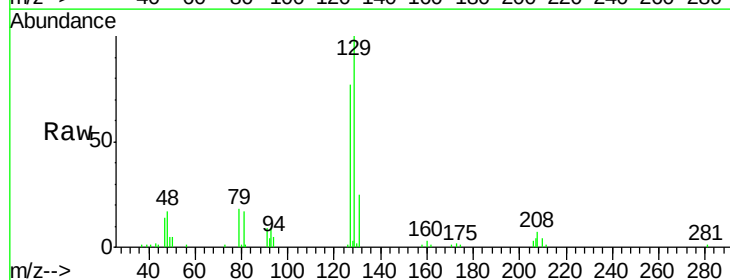
Manual Integrations
APPROVED

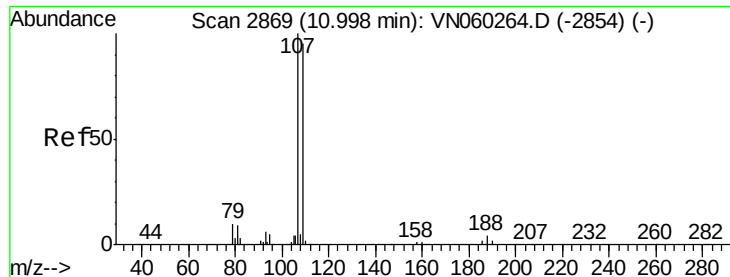
MMDadoda
3/12/2020 2:45:30 PM



#60
Dibromochloromethane
Concen: 18.593 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	129	Resp	41622
Ion Ratio	129	100	
Lower	127	76.0	38.9
Upper			116.7





#61

1,2-Dibromoethane

Concen: 18.376 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 107 Resp: 39430

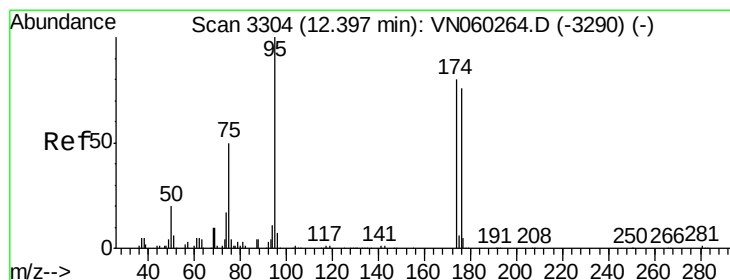
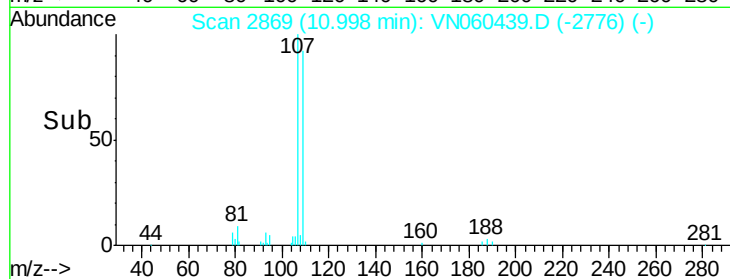
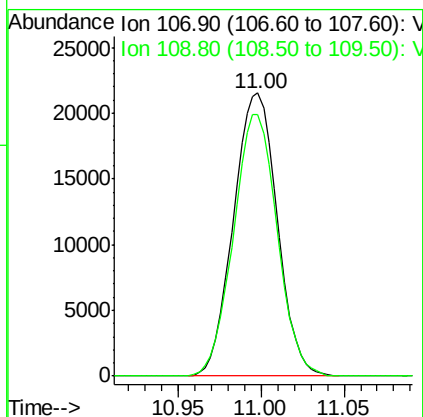
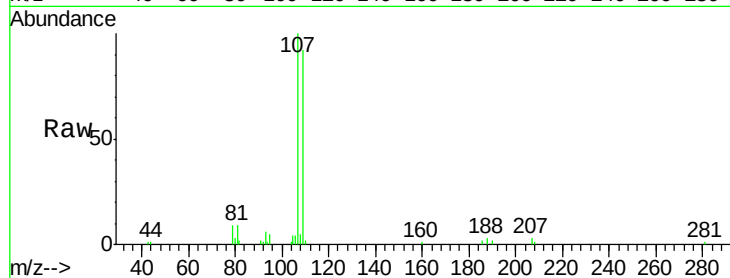
Ion Ratio Lower Upper

107 100

109 92.6 76.8 115.2

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:30 PM



#62

4-Bromofluorobenzene

Concen: 46.956 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

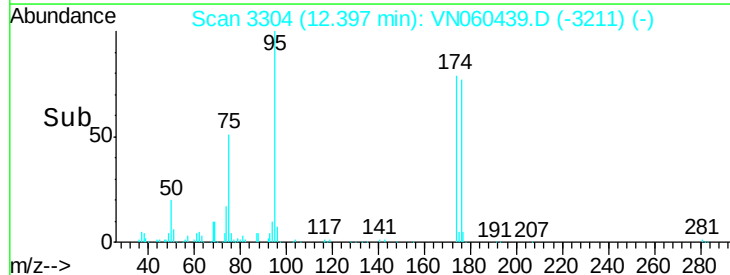
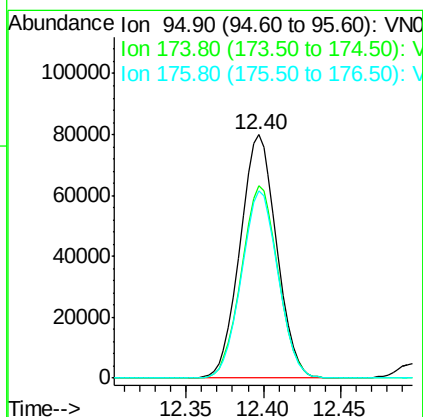
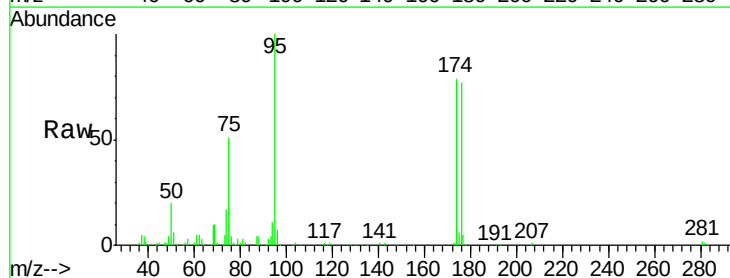
Tgt Ion: 95 Resp: 131356

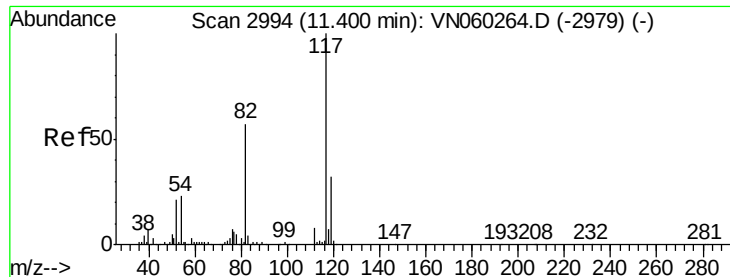
Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.2

176 77.2 0.0 153.8





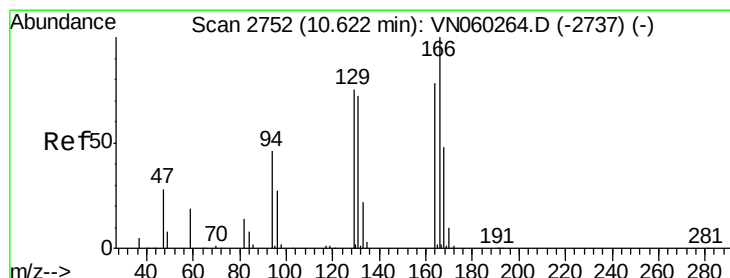
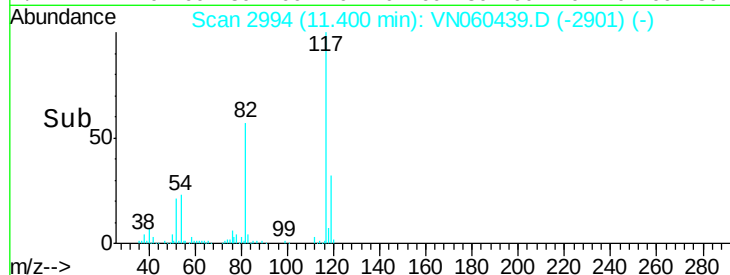
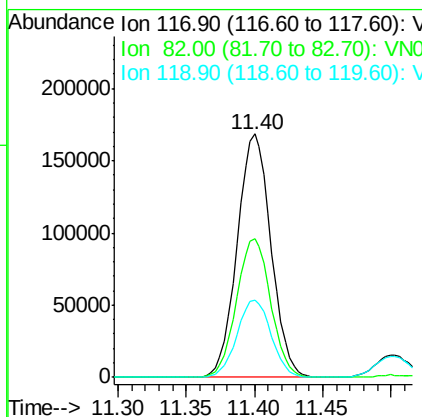
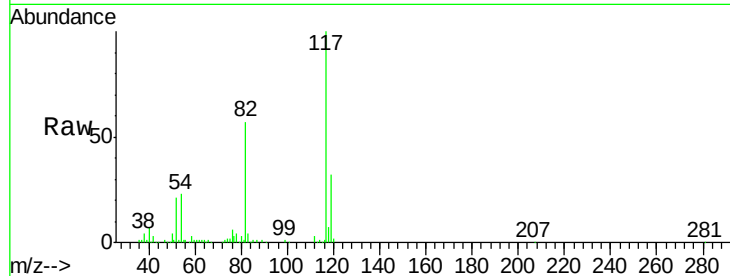
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.8	68.6
119	31.9	25.8	38.8

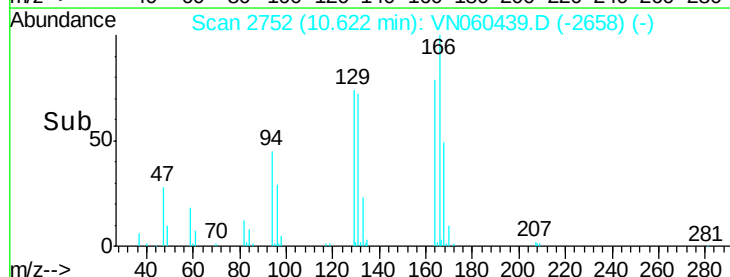
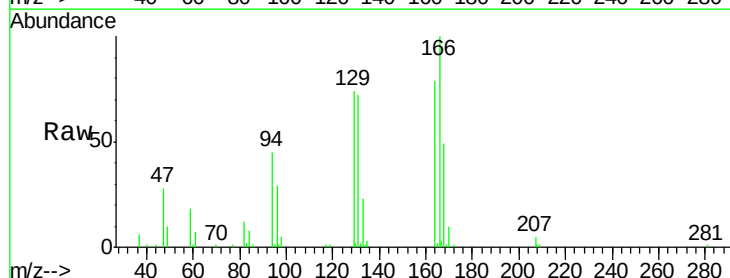
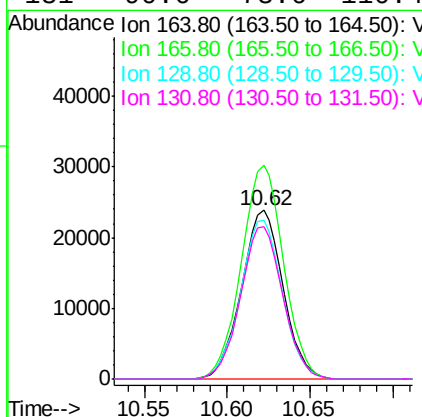
Manual Integrations
APPROVED

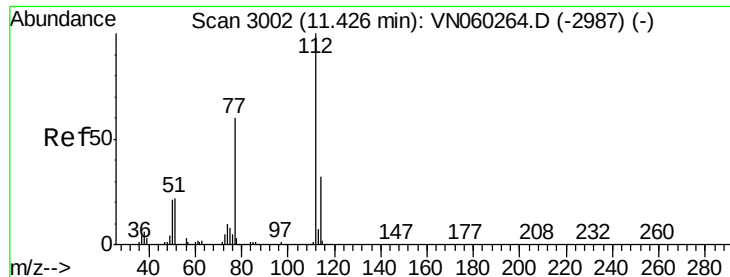
MMDadoda
3/12/2020 2:45:30 PM



#64
Tetrachloroethene
Concen: 17.319 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.0	153.0
129	94.2	76.4	114.6
131	90.6	73.6	110.4





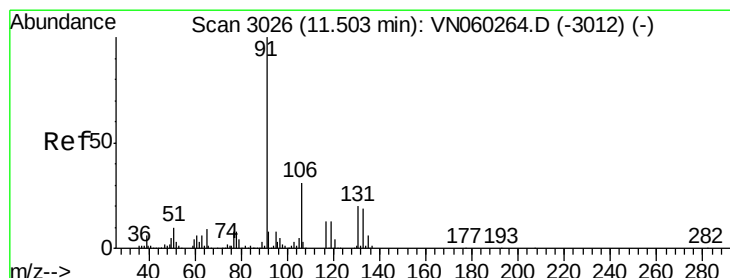
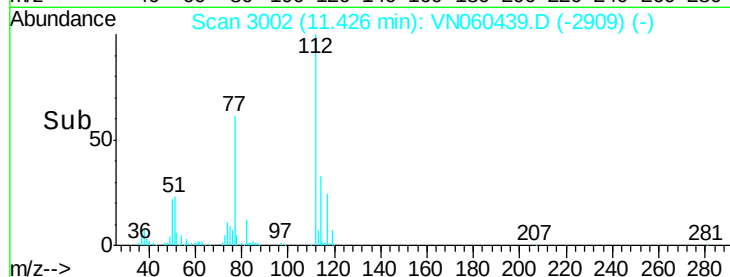
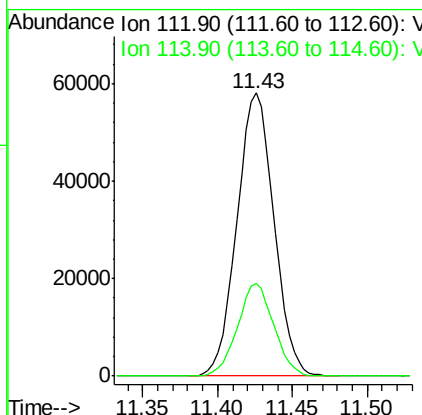
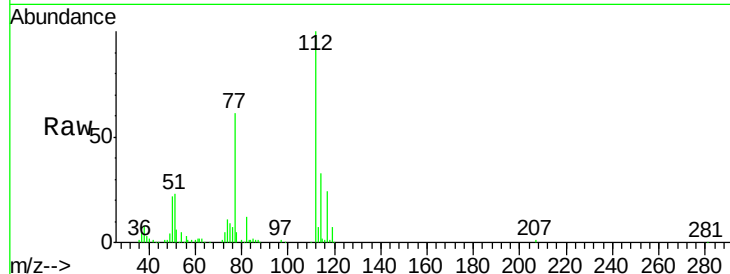
#65
Chlorobenzene
Concen: 17.101 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.4	38.0

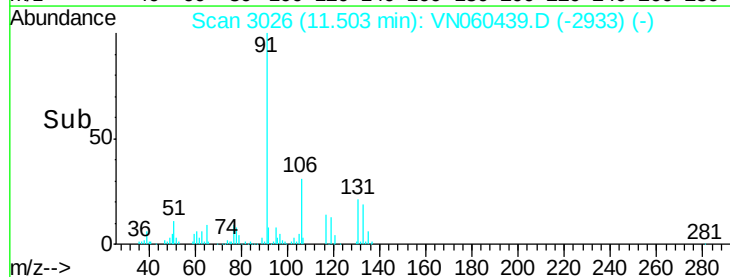
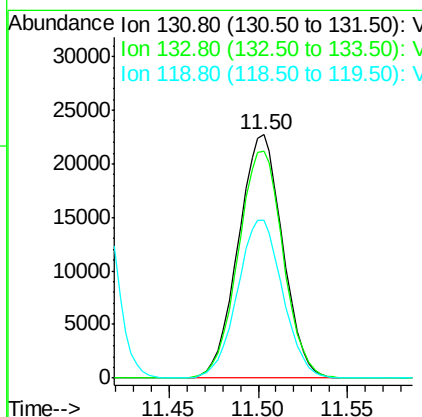
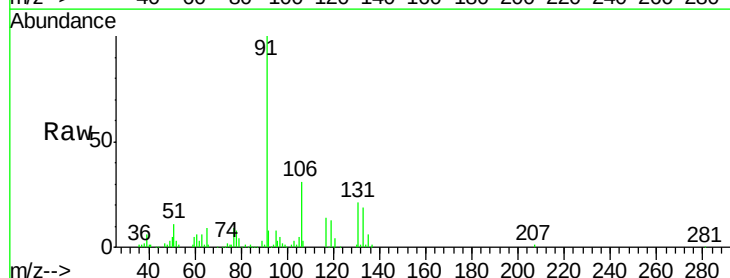
Manual Integrations
APPROVED

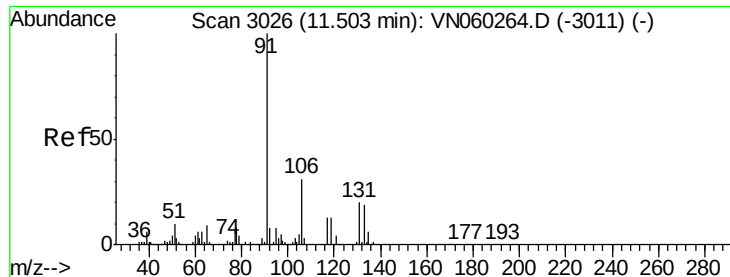
MMDadoda
3/12/2020 2:45:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.219 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.7	143.1
119	66.1	33.2	99.6





#67

Ethyl Benzene

Concen: 17.375 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion: 91 Resp: 185115

Ion Ratio Lower Upper

91 100

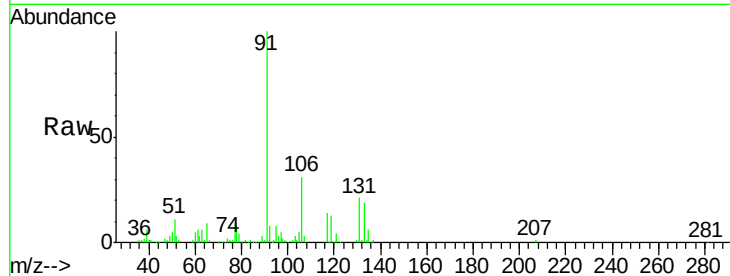
106 30.9 24.7 37.1

Manual Integrations

APPROVED

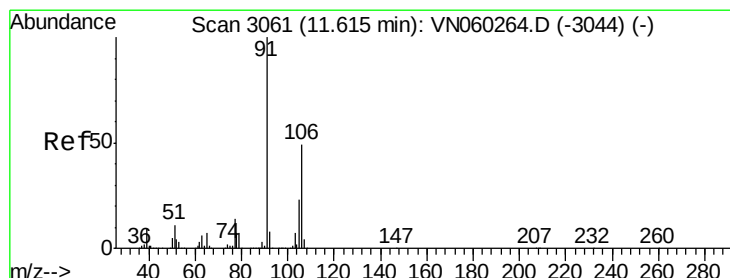
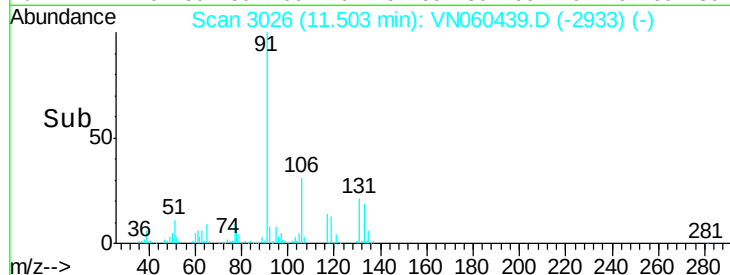
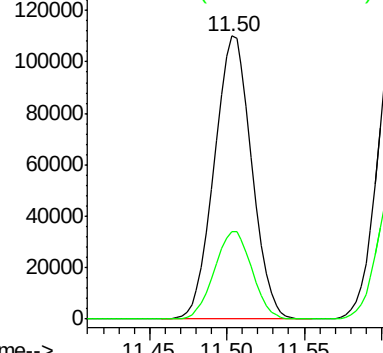
MMDadoda

3/12/2020 2:45:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 33.631 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060439.D

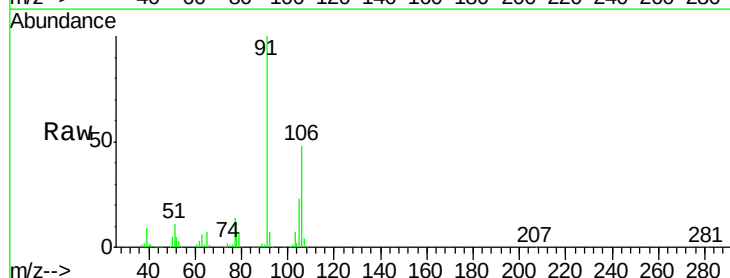
Acq: 11 Mar 2020 11:02

Tgt Ion: 106 Resp: 135189

Ion Ratio Lower Upper

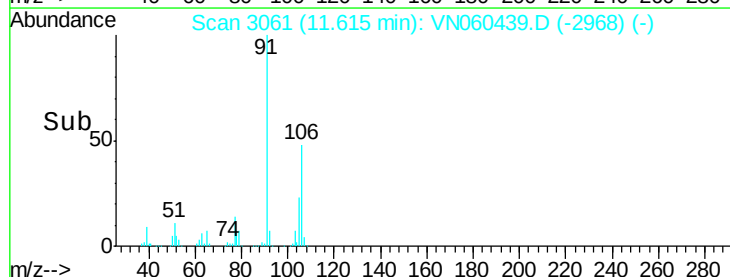
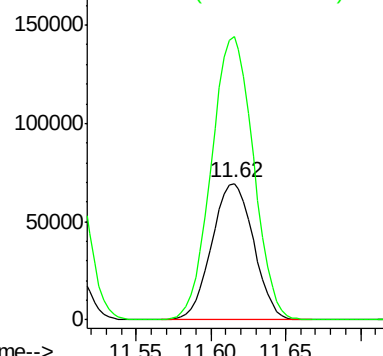
106 100

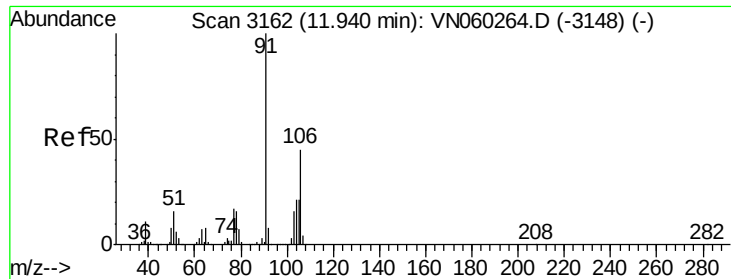
91 208.5 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





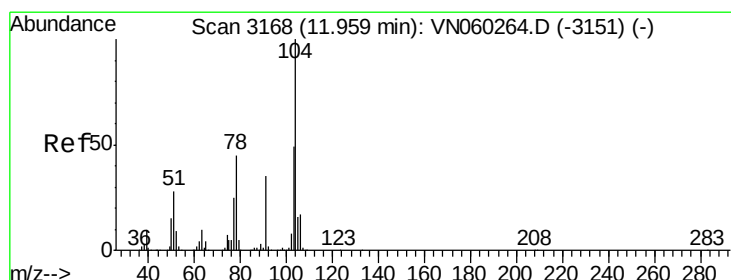
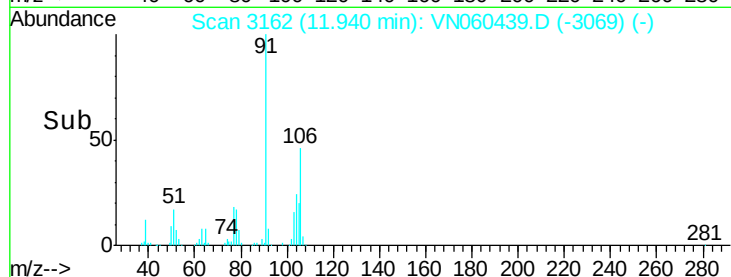
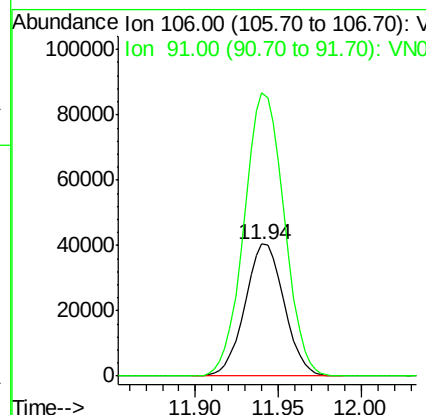
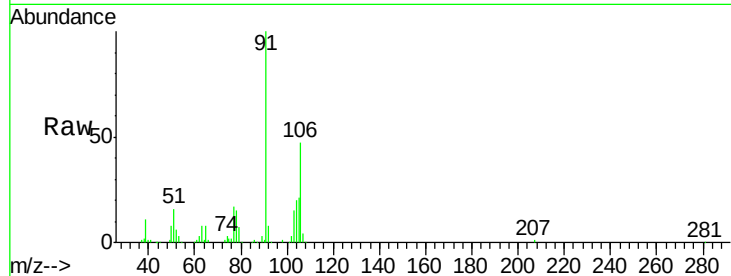
#69
o-Xylene
Concen: 17.324 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion:106 Resp: 66405
Ion Ratio Lower Upper
106 100
91 219.5 109.5 328.4

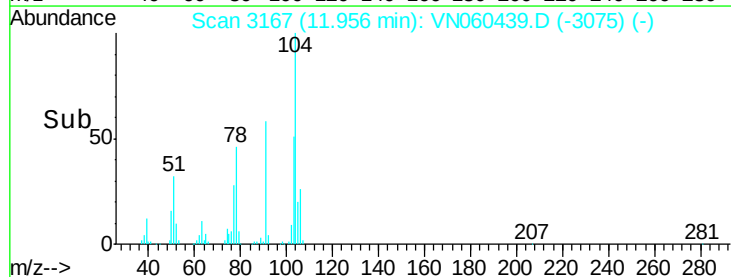
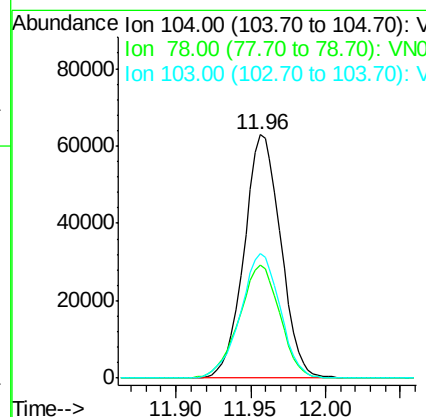
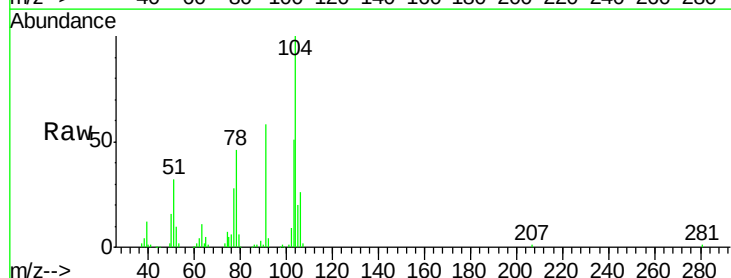
Manual Integrations
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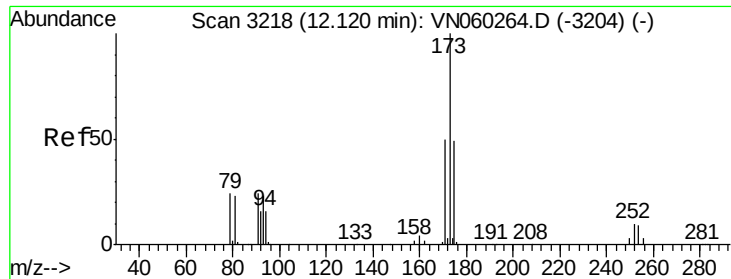
MMDadoda
3/12/2020 2:45:30 PM



#70
Styrene
Concen: 17.015 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion:104 Resp: 107232
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.3 43.9 65.9





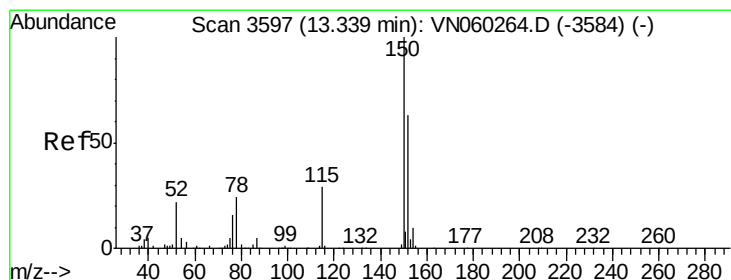
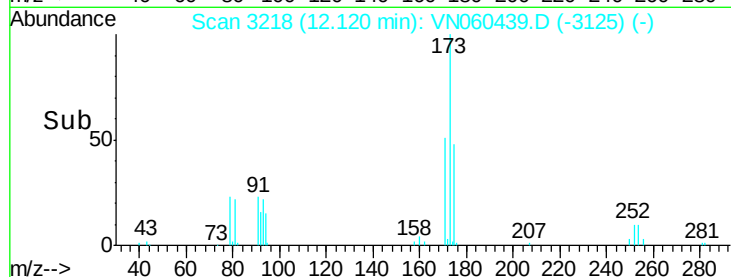
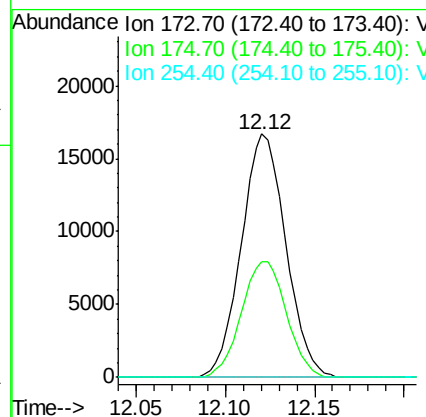
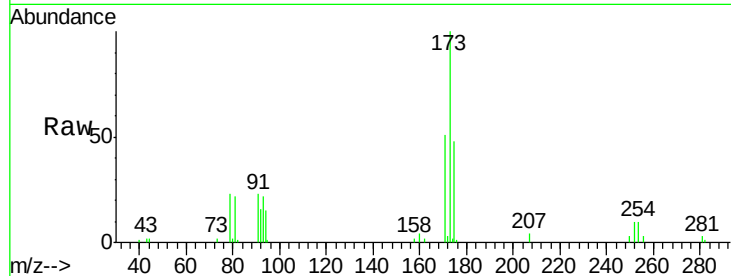
#71
Bromoform
Concen: 18.597 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

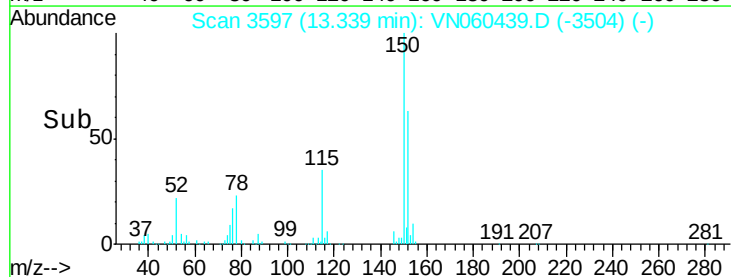
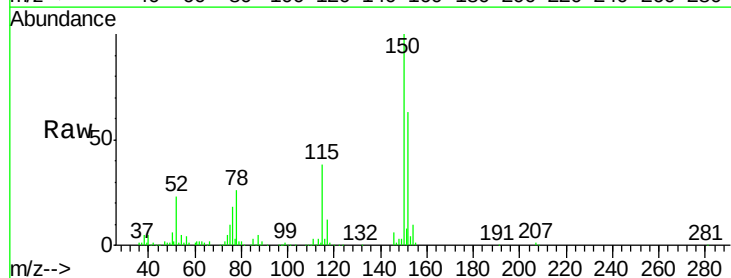
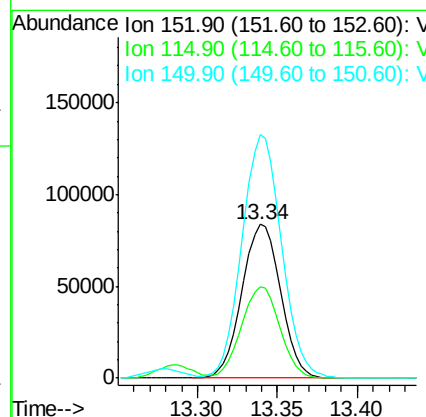
Manual Integrations
APPROVED

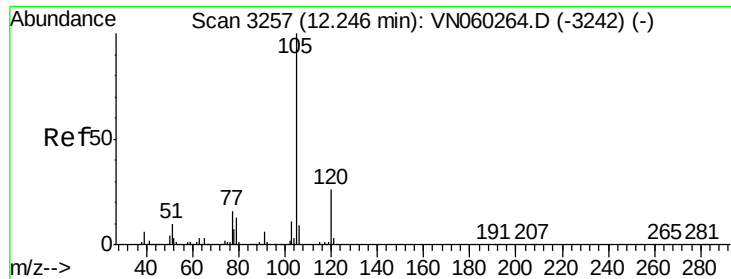
MMDadoda
3/12/2020 2:45:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.0	90.0
150	162.4	0.0	349.6





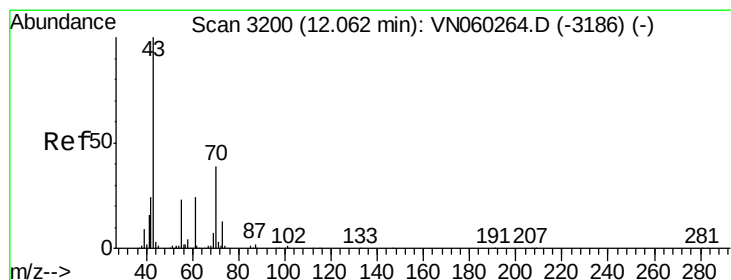
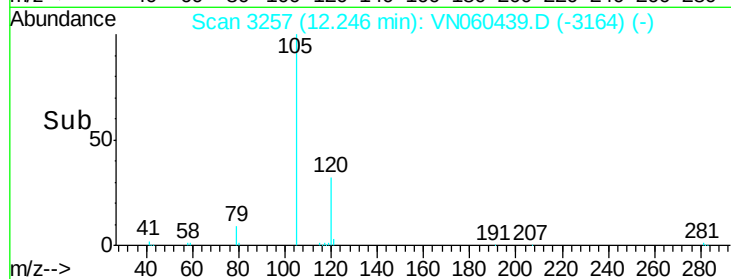
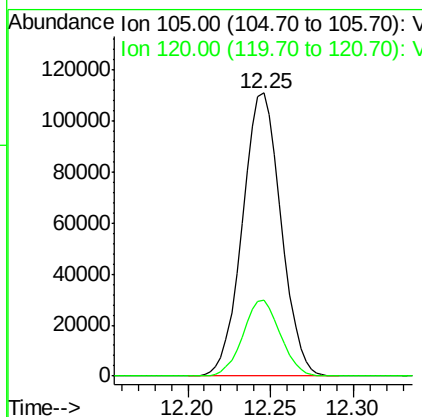
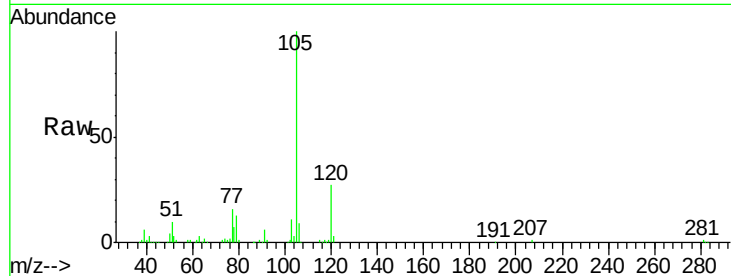
#73
Isopropylbenzene
Concen: 17.485 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

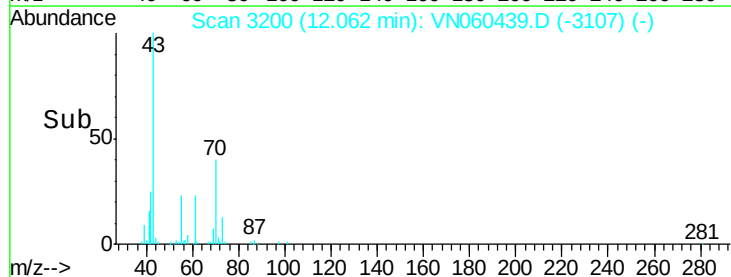
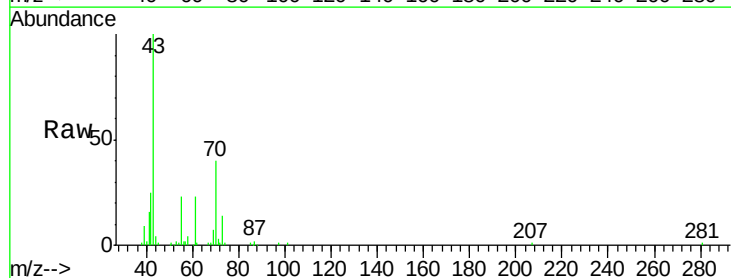
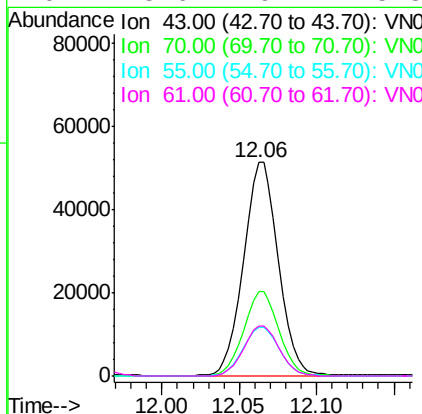
Manual Integrations
APPROVED

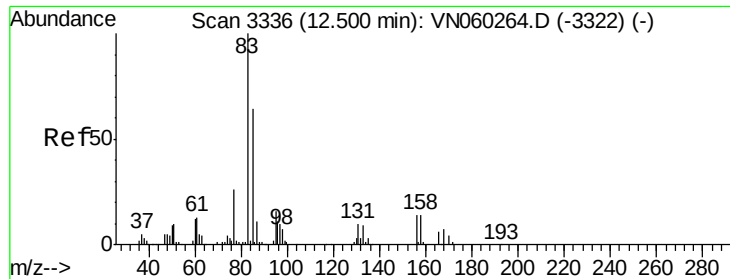
MMDadoda
3/12/2020 2:45:30 PM



#74
N-ethyl acetate
Concen: 18.033 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.2	48.2
55	23.7	18.2	27.4
61	23.6	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.946 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

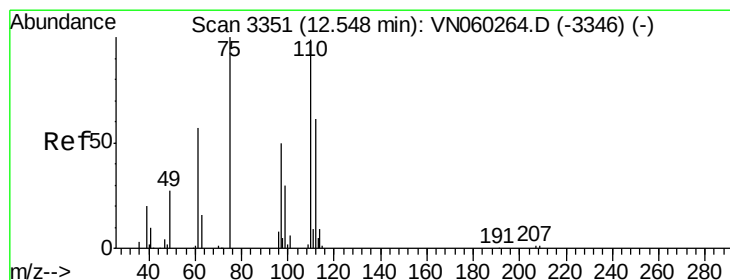
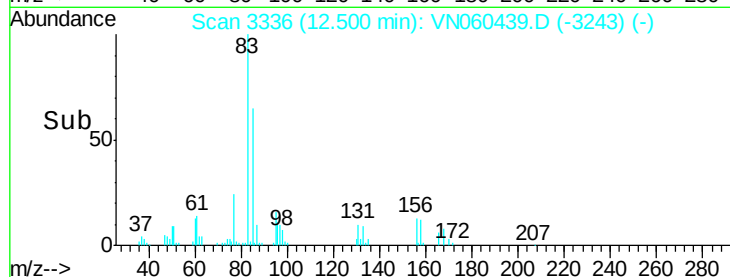
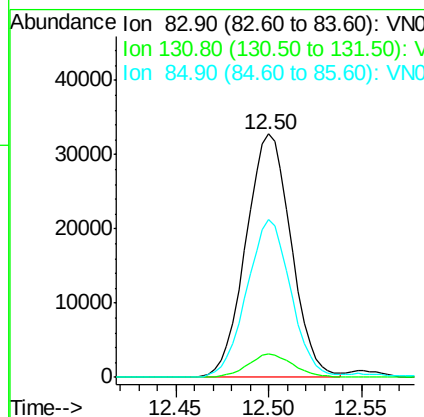
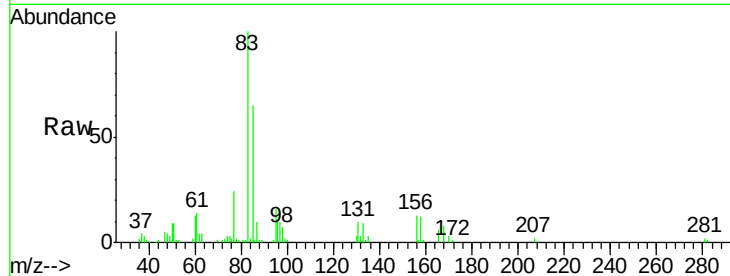
ClientSampleId :

VN0311WBSD01

Tot Ion:	83	Resp:	55508
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.3
85	63.1	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:30 PM



#76

1,2,3-Trichloropropane

Concen: 16.274 ug/l m

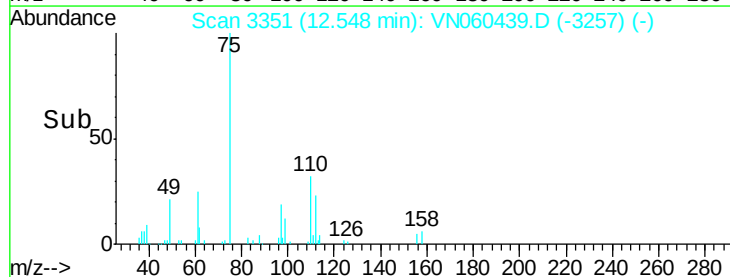
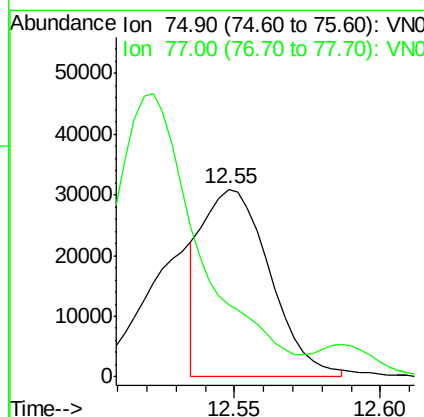
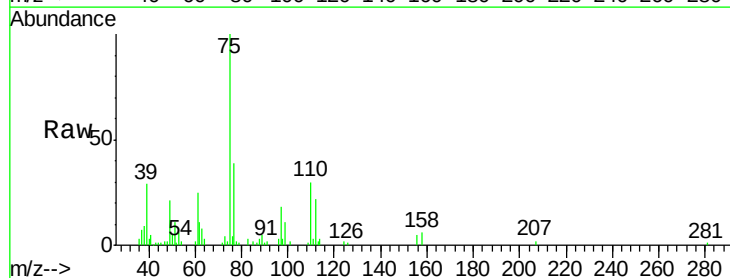
RT: 12.55 min Scan# 3351

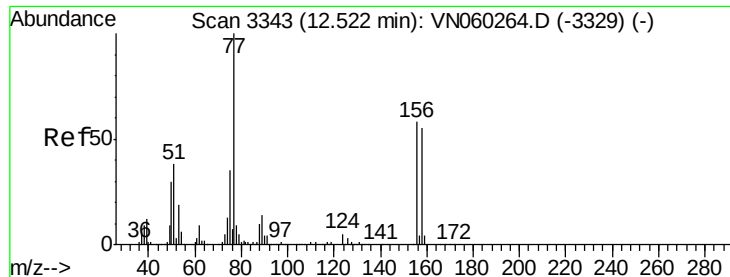
Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion:	75	Resp:	49319
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.645 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion:156 Resp: 44282

Ion Ratio Lower Upper

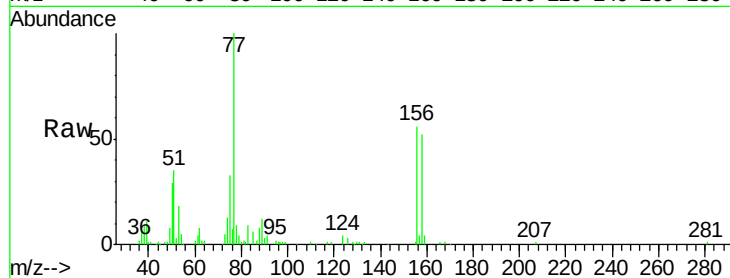
156 100

77 217.8 106.1 318.3

158 95.5 48.3 144.8

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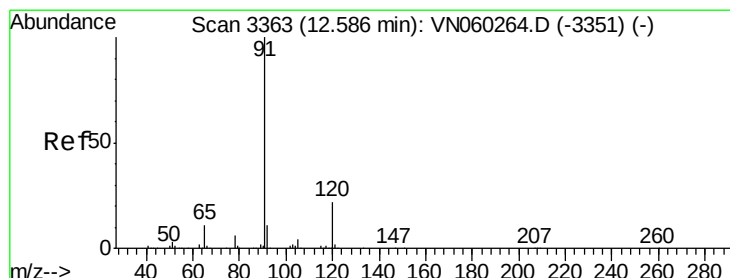
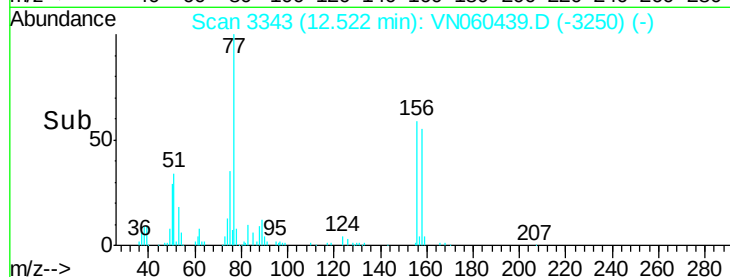
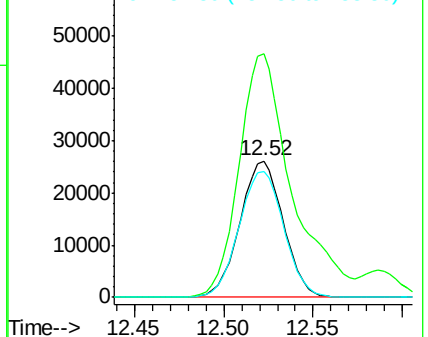
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.335 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060439.D

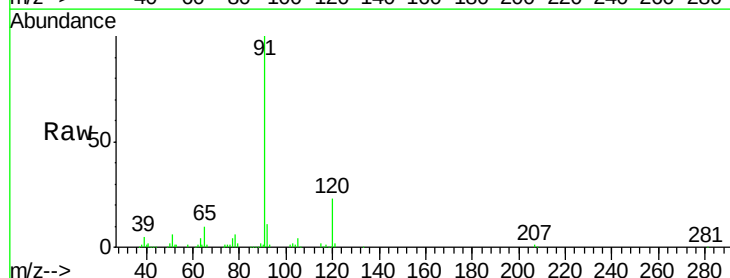
Acq: 11 Mar 2020 11:02

Tgt Ion: 91 Resp: 208026

Ion Ratio Lower Upper

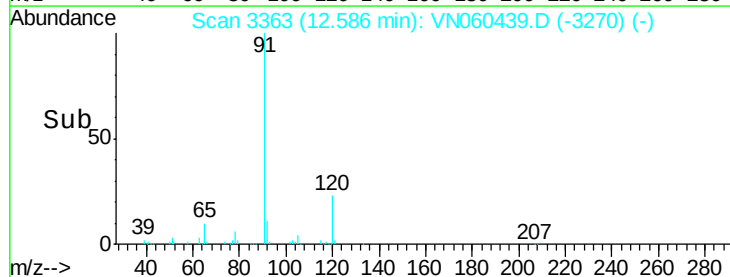
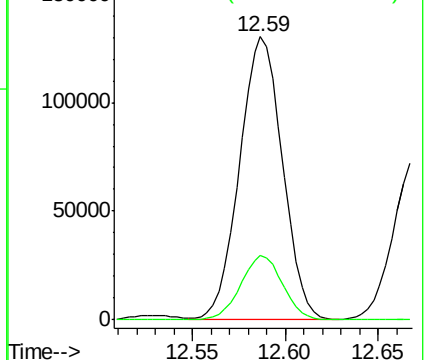
91 100

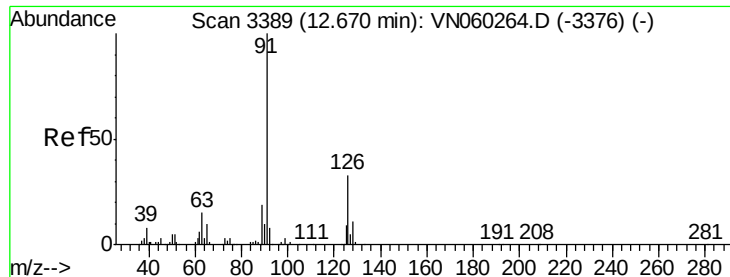
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





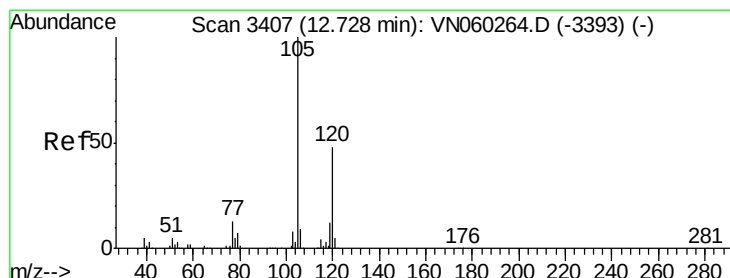
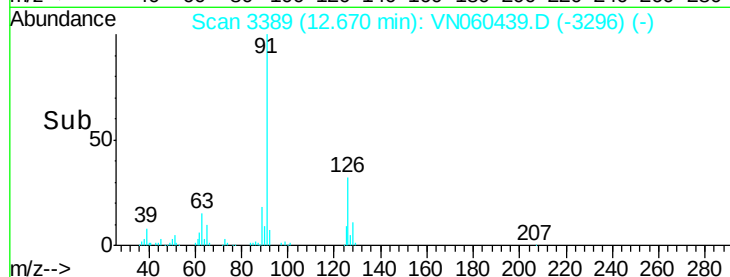
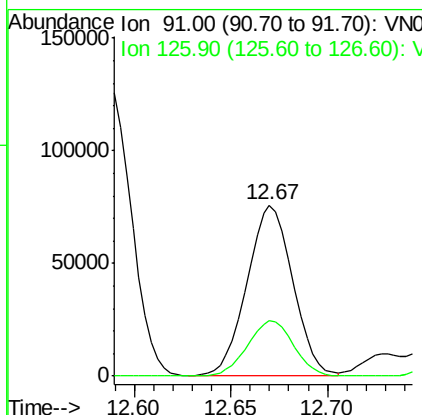
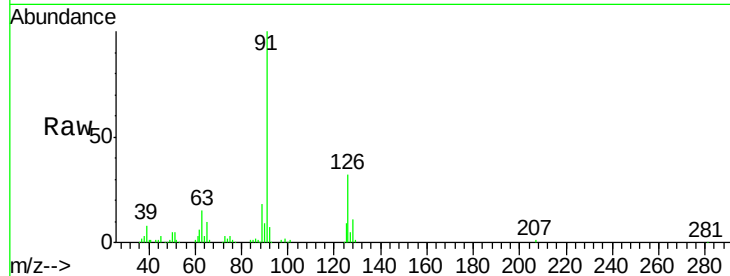
#79
 2-Chlorotoluene
 Concen: 17.638 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion: 91 Resp: 124423
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.6 49.8

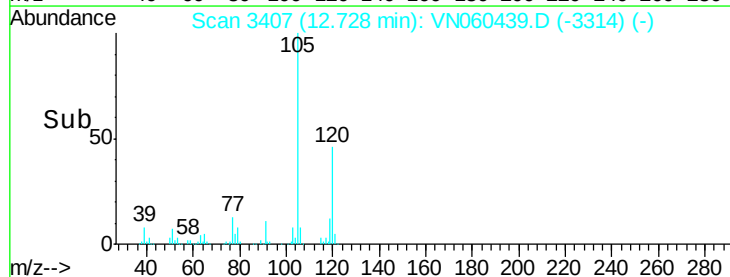
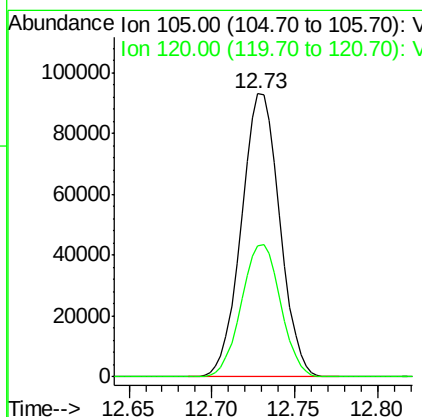
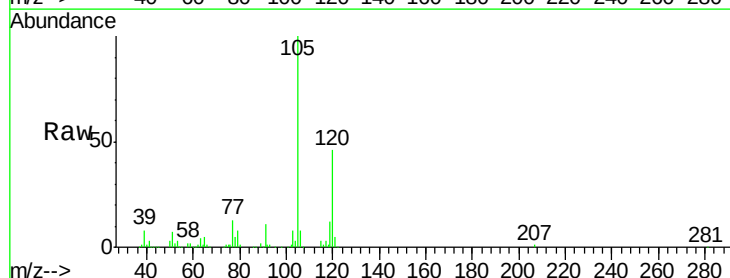
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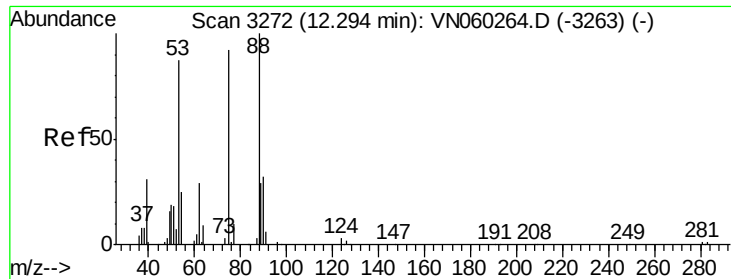
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#80
 1,3,5-Trimethylbenzene
 Concen: 17.395 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion: 105 Resp: 149944
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.4





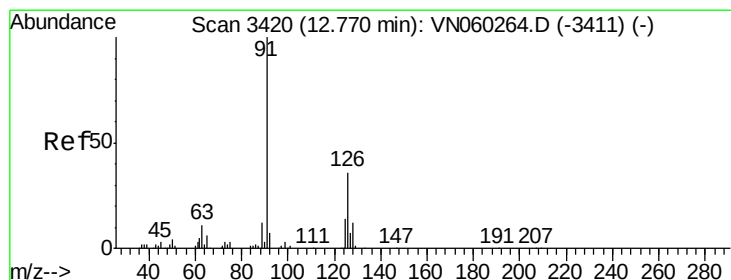
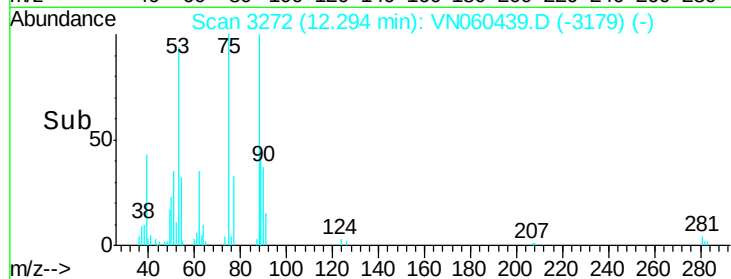
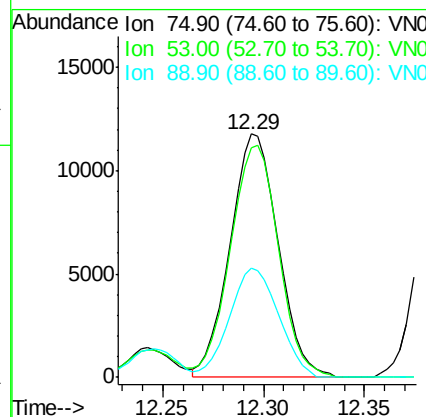
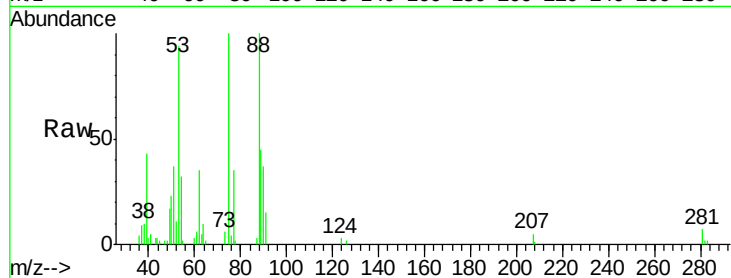
#81
trans-1,4-Dichloro-2-butene
Concen: 17.910 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	73.8	110.6
89	45.8	57.1	85.7#

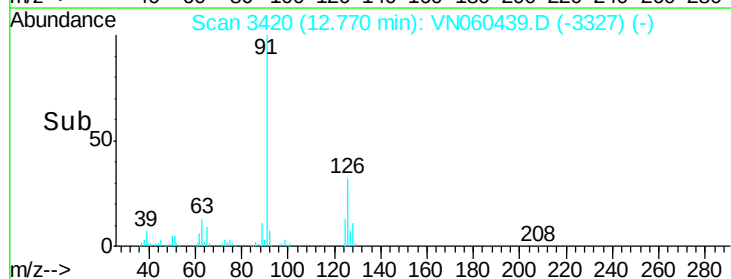
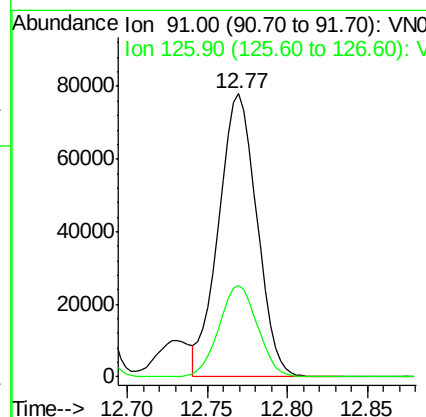
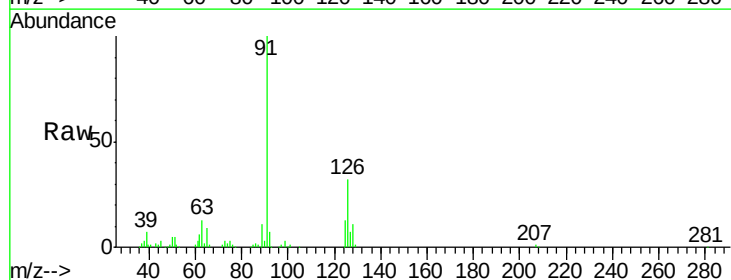
Manual Integrations
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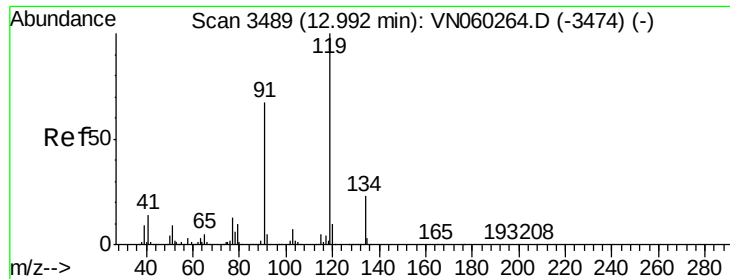
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#82
4-Chlorotoluene
Concen: 17.288 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





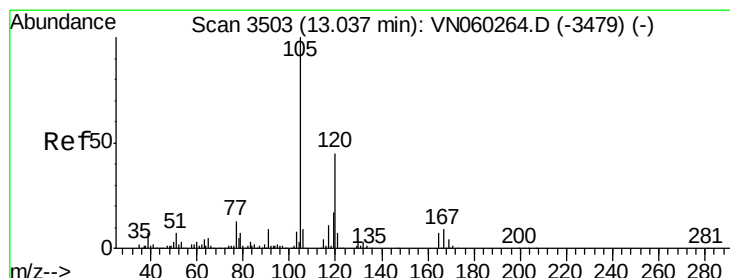
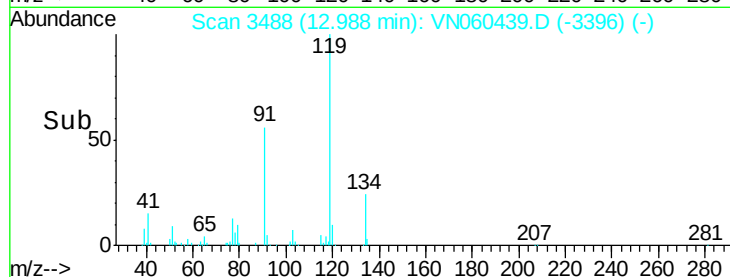
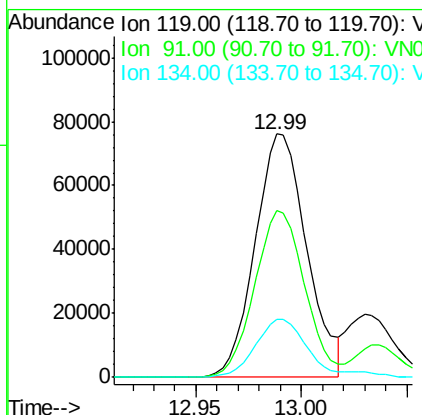
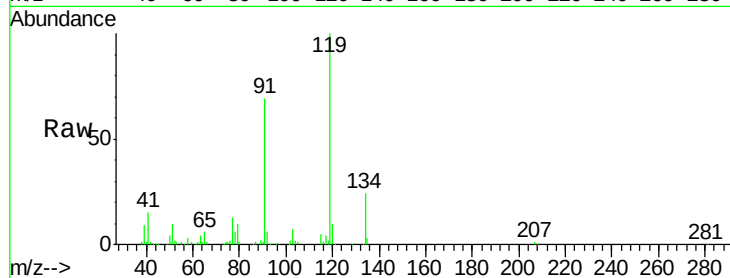
#83
 tert-Butylbenzene
 Concen: 17.357 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.1	99.2
134	24.9	12.4	37.0

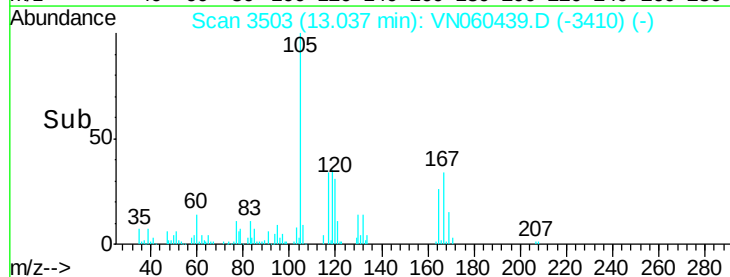
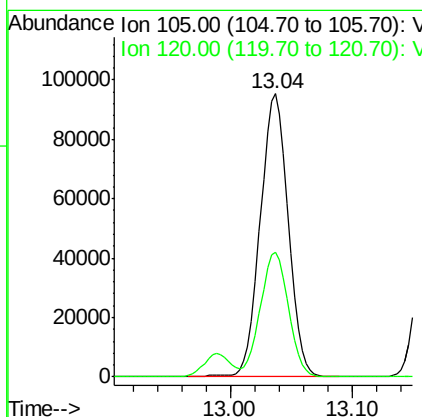
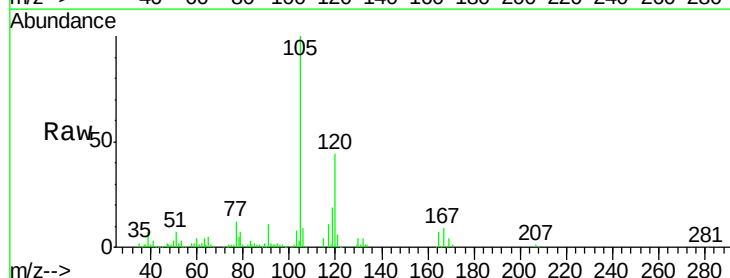
Manual Integrations
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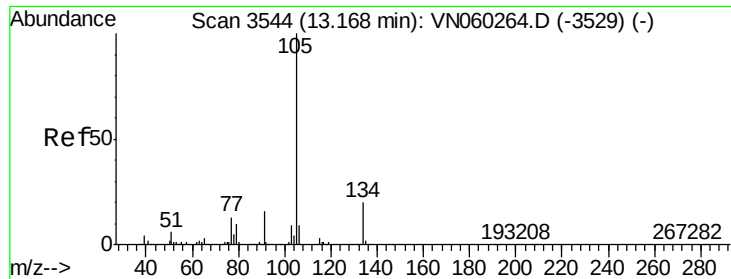
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.422 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 17.100 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

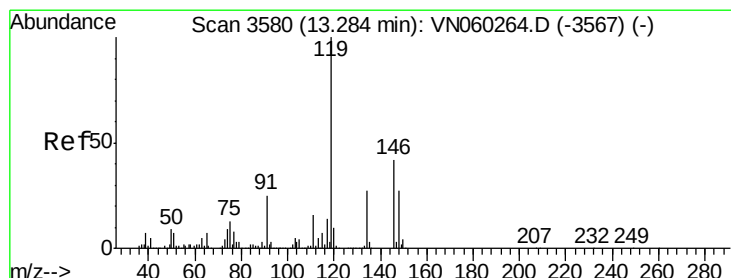
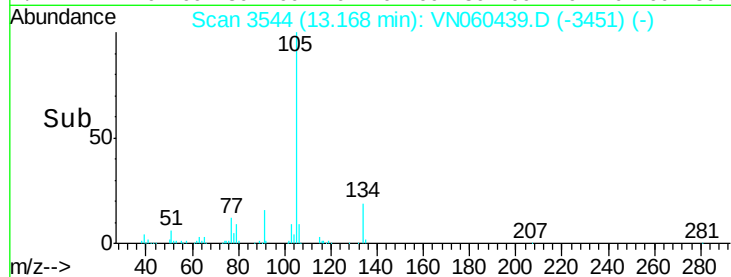
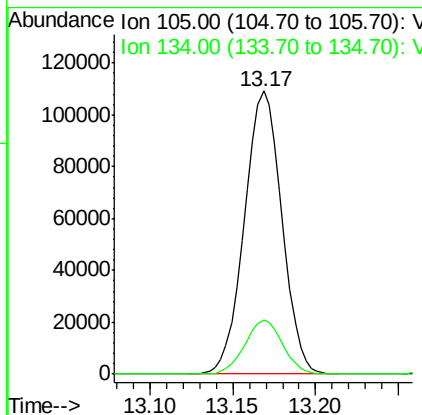
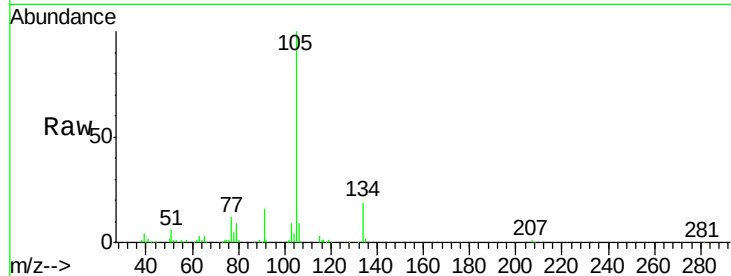
ClientSampleId :

VN0311WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	170899		
134	19.3	9.8	29.5	

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 16.513 ug/l

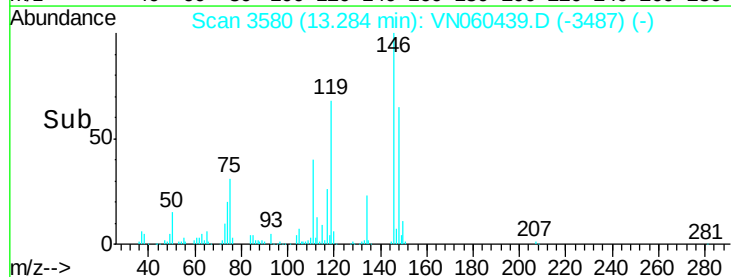
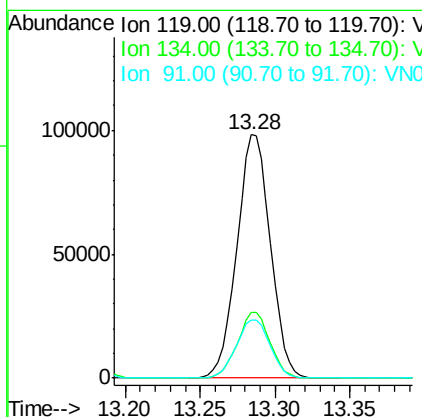
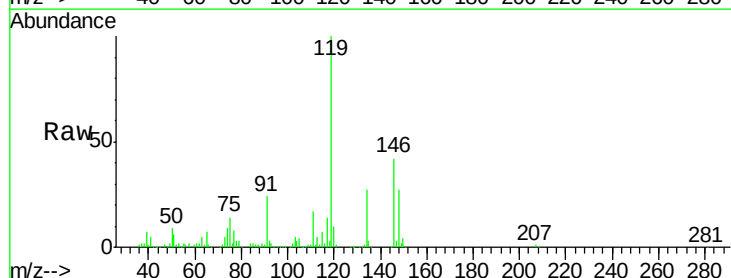
RT: 13.28 min Scan# 3580

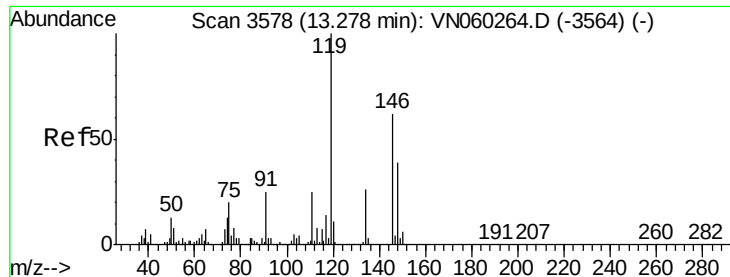
Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	152740		
134	26.3	13.2	39.6	
91	24.4	12.2	36.6	





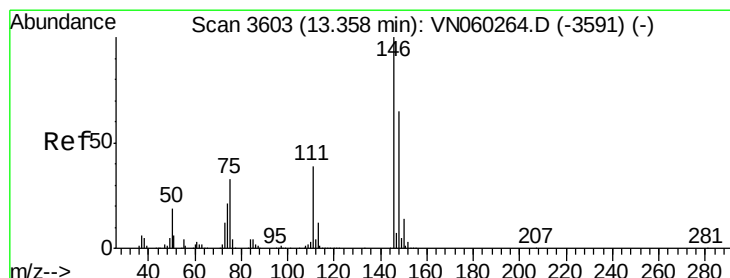
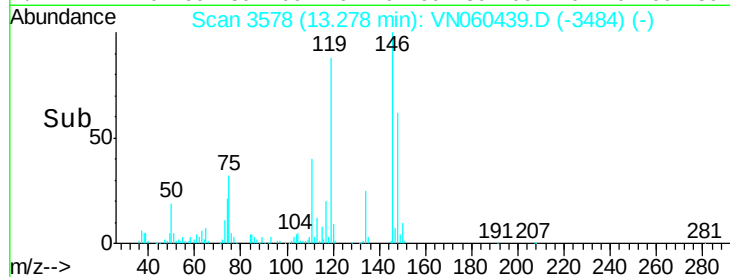
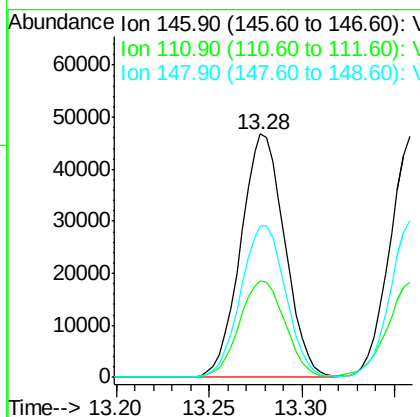
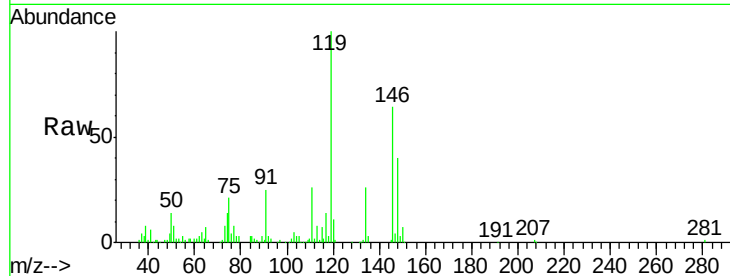
#87
 1,3-Dichlorobenzene
 Concen: 17.761 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	59.9
148	63.7	32.1	96.3

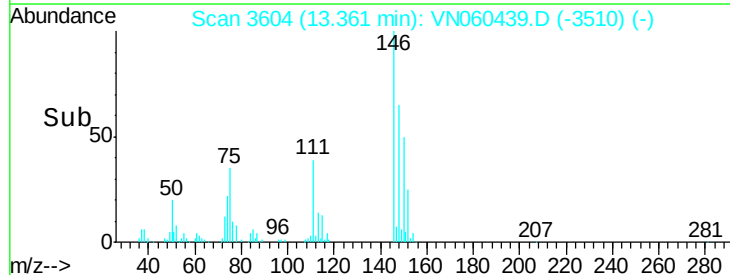
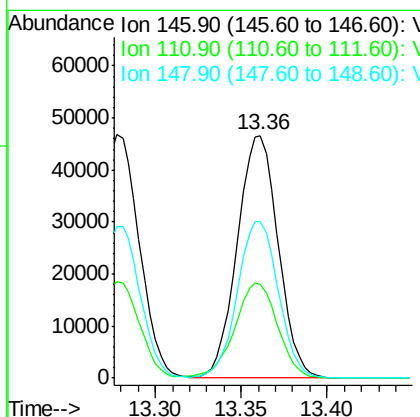
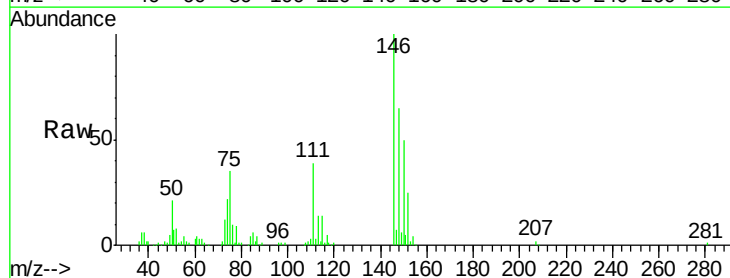
Manual Integrations
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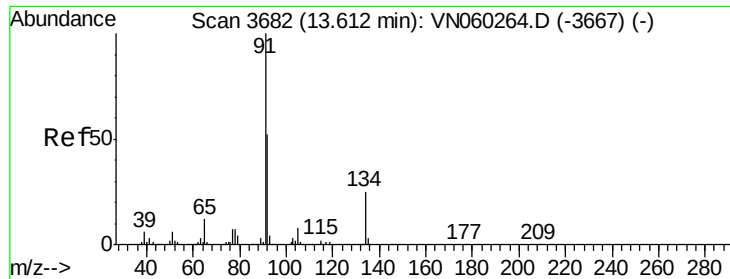
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#88
 1,4-Dichlorobenzene
 Concen: 17.809 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.8	59.4
148	64.6	32.3	96.9





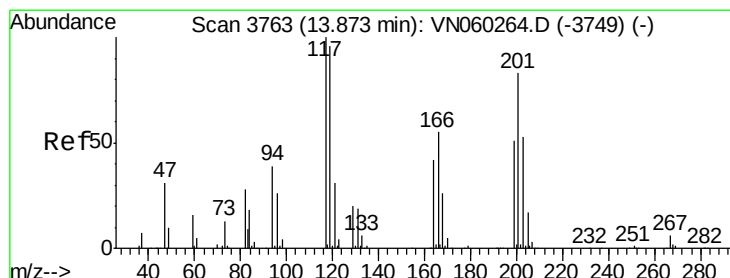
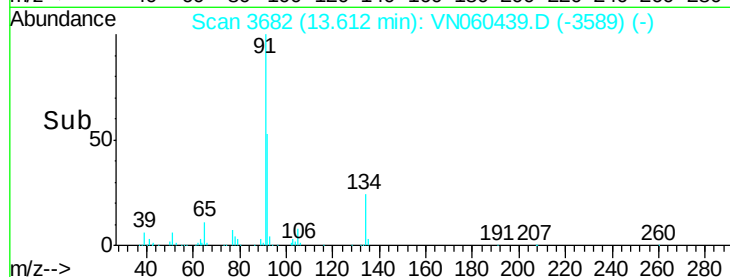
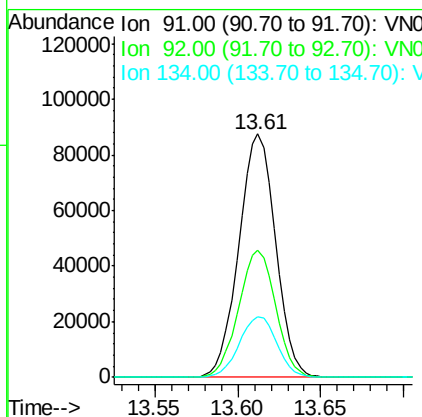
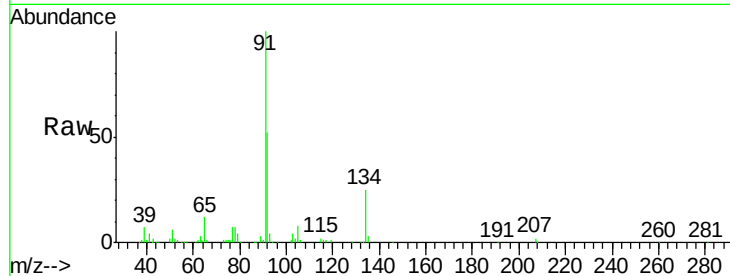
#89
n-Butylbenzene
Concen: 15.936 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	25.5	12.7	38.1

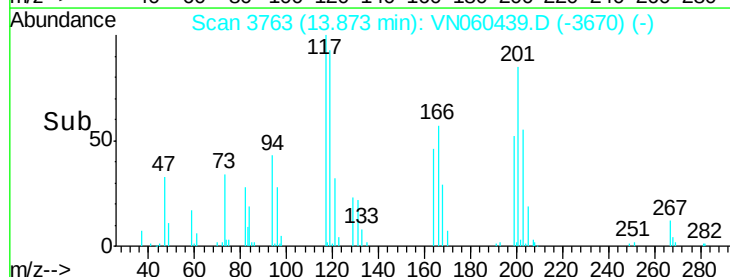
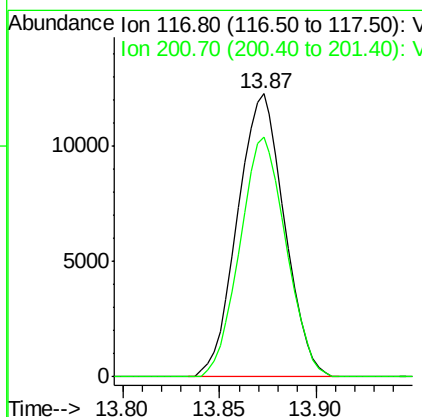
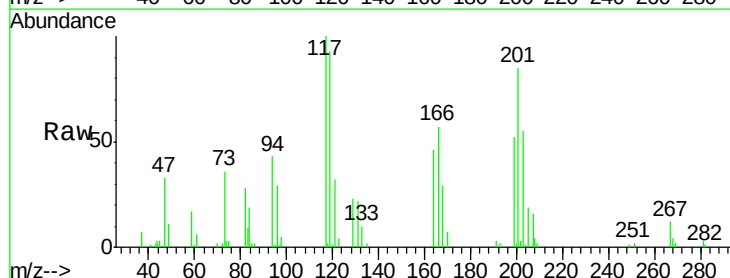
Manual Integrations
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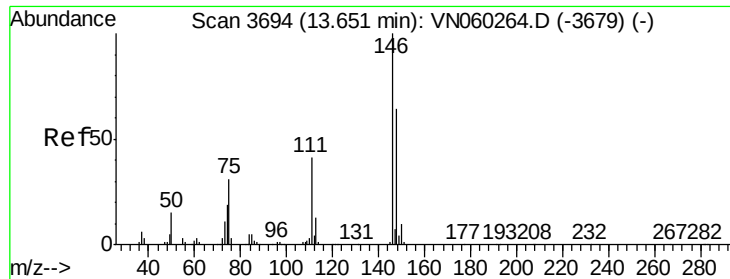
MMDadoda
3/12/2020 2:45:30 PM



#90
Hexachloroethane
Concen: 15.450 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 17.153 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

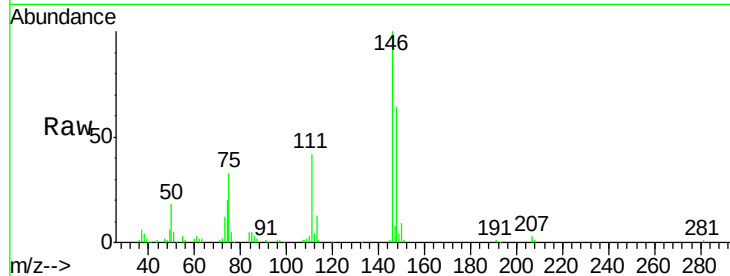
ClientSampleId :

VN0311WBSD01

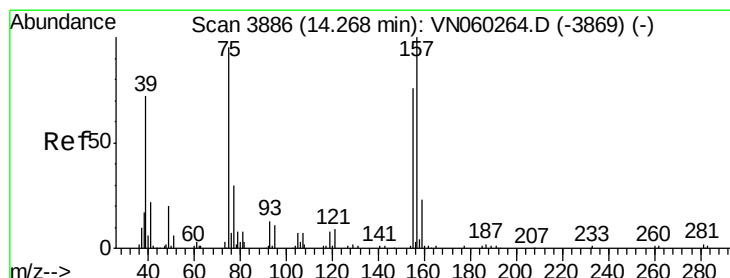
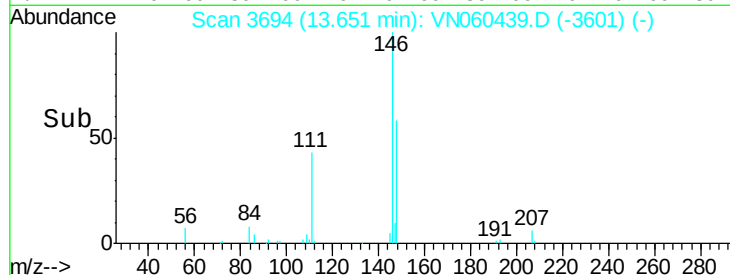
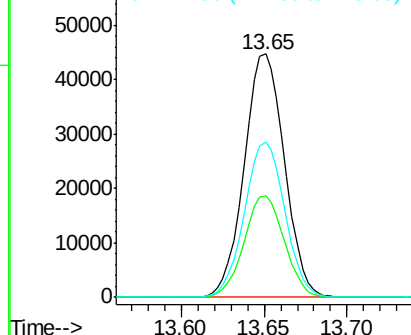
Tot Ion:	146	Resp:	75430
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.3	61.0
148	64.2	31.8	95.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.569 ug/l

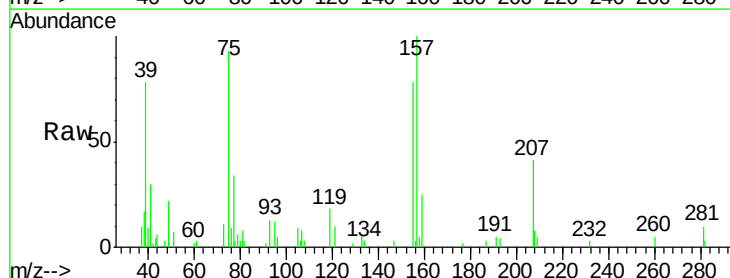
RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

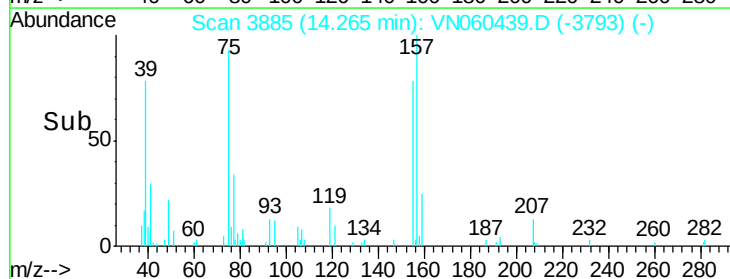
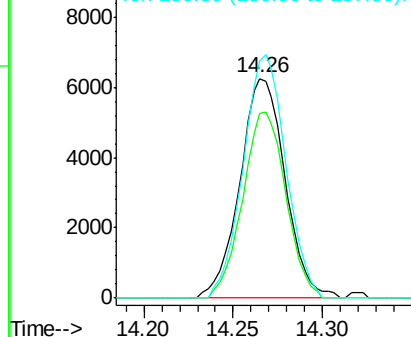
Lab File: VN060439.D

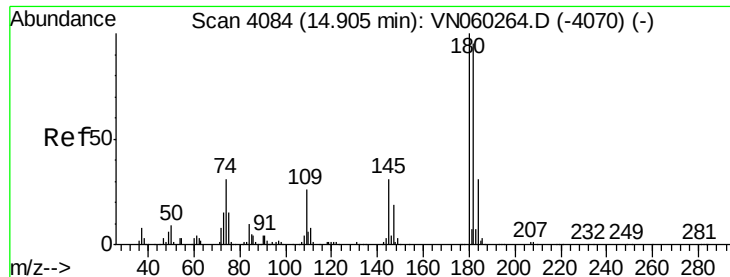
Acq: 11 Mar 2020 11:02

Tgt Ion:	75	Resp:	11072
Ion Ratio	Lower	Upper	
75	100		
155	80.3	40.4	121.2
157	104.5	52.5	157.5



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





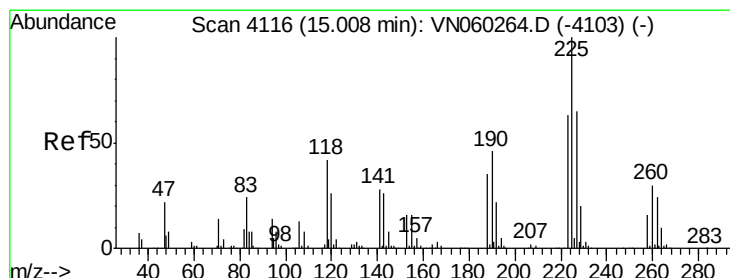
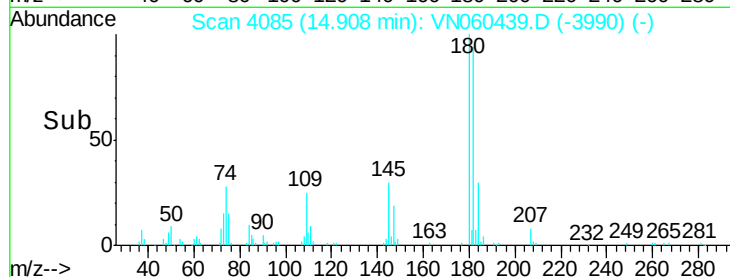
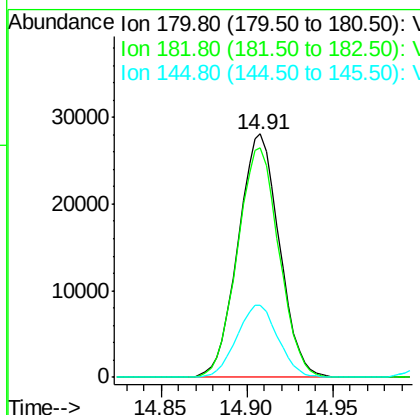
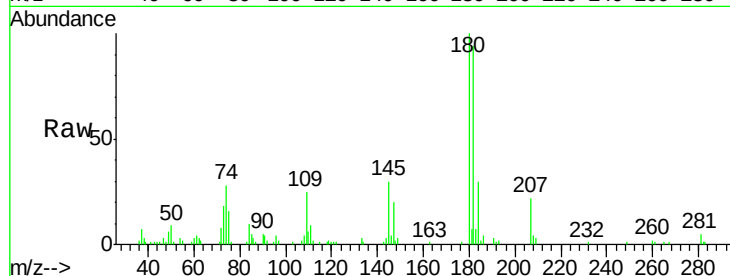
#93
 1,2,4-Trichlorobenzene
 Concen: 16.758 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46660		
182	95.1	47.8	143.3	
145	29.6	15.4	46.1	

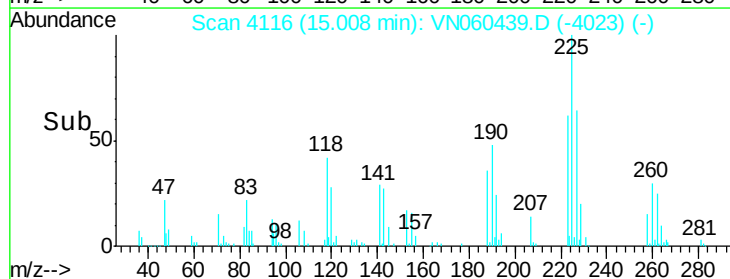
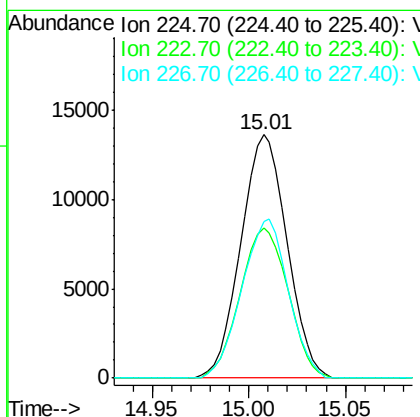
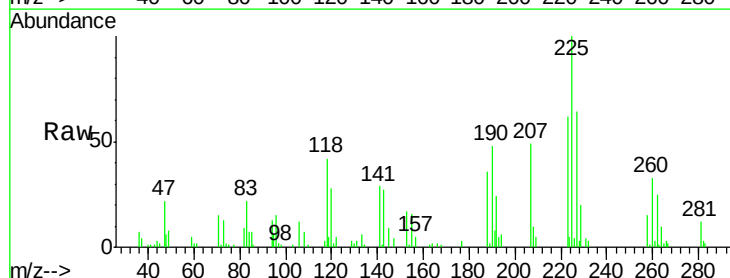
Manual Integrations
 APPROVED

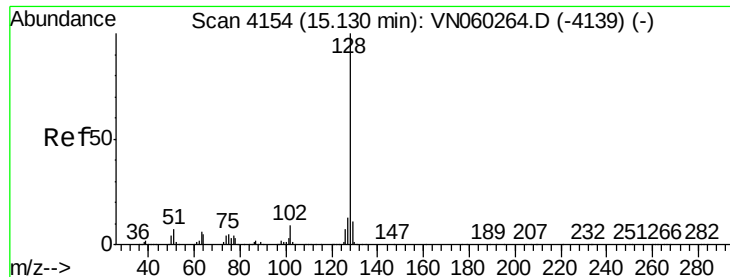
MMDadoda
 3/12/2020 2:45:30 PM



#94
 Hexachlorobutadiene
 Concen: 17.239 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22623		
223	64.1	31.3	93.9	
227	65.6	32.3	96.9	





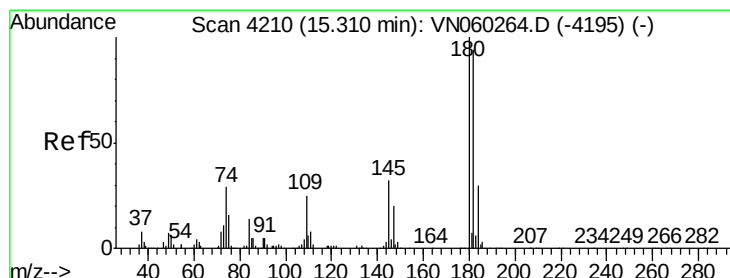
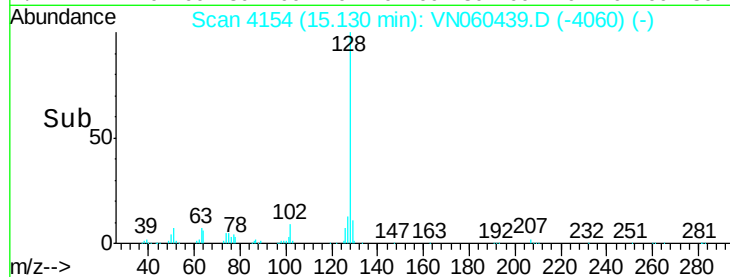
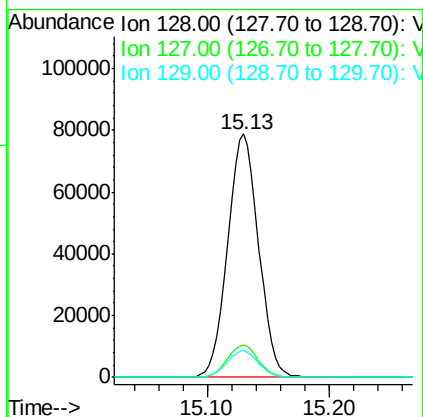
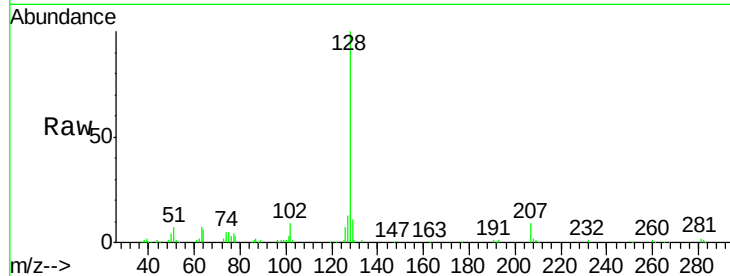
#95
Naphthalene
Concen: 16.689 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.855 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	142.0
145	33.2	16.2	48.5

