

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060373.D
 Acq On : 6 Mar 2020 12:15
 Operator : JC/MD
 Sample : VN0306WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 11:41:27 AM

Quant Time: Mar 07 03:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122720	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.56	113	88687	58.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.98%	
50) Toluene-d8	10.08	98	359058	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.40	95	133399	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	30000	16.252	ug/l	97
3) Chloromethane	2.04	50	52693	16.396	ug/l	100
4) Vinyl Chloride	2.16	62	44896	16.289	ug/l	99
5) Bromomethane	2.55	94	18356	14.856	ug/l	100
6) Chloroethane	2.69	64	24676	16.524	ug/l	98
7) Trichlorofluoromethane	3.00	101	59901	17.010	ug/l	99
8) Diethyl Ether	3.38	74	23572	17.729	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35333	17.729	ug/l	98
10) Methyl Iodide	3.93	142	31757	17.460	ug/l	100
11) Tert butyl alcohol	4.73	59	35825	93.399	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	34249	17.656	ug/l	97
13) Acrolein	3.58	56	31102	86.917	ug/l	98
14) Allyl chloride	4.29	41	63870	17.909	ug/l	98
15) Acrylonitrile	4.94	53	93829	92.807	ug/l	99
16) Acetone	3.78	43	77256	92.613	ug/l	99
17) Carbon Disulfide	4.03	76	86526	16.383	ug/l	99
18) Methyl Acetate	4.29	43	48862	17.552	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	128432	18.288	ug/l	99
20) Methylene Chloride	4.52	84	40429	17.647	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	36438	17.254	ug/l	98
22) Diisopropyl ether	5.91	45	136238	18.859	ug/l	93
23) Vinyl Acetate	5.86	43	534407	93.094	ug/l	99
24) 1,1-Dichloroethane	5.82	63	74241	18.155	ug/l	99
25) 2-Butanone	6.80	43	127344	94.511	ug/l	98
26) 2,2-Dichloropropane	6.79	77	68642	18.438	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	45517	17.134	ug/l	99
28) Bromochloromethane	7.17	49	29894	17.805	ug/l	96
29) Tetrahydrofuran	7.18	42	87101	92.962	ug/l	98
30) Chloroform	7.34	83	75505	18.548	ug/l	99
31) Cyclohexane	7.63	56	67010	18.354	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	64975	18.015	ug/l	99
36) 1,1-Dichloropropene	7.77	75	54743	17.735	ug/l	99
37) Ethyl Acetate	6.89	43	53940	18.455	ug/l	99
38) Carbon Tetrachloride	7.75	117	53298	17.735	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	62229	17.099	ug/l	98
40) Benzene	8.02	78	166856	18.572	ug/l	98
41) Methacrylonitrile	7.15	41	24421m	18.096	ug/l	
42) 1,2-Dichloroethane	8.10	62	60712	18.727	ug/l	100
43) Isopropyl Acetate	8.14	43	97232	19.003	ug/l	99
44) Trichloroethene	8.82	130	44883	17.938	ug/l	98
45) 1,2-Dichloropropane	9.10	63	45348	19.306	ug/l	96
46) Dibromomethane	9.19	93	27556	18.080	ug/l	99
47) Bromodichloromethane	9.38	83	60479	19.510	ug/l	97
48) Methyl methacrylate	9.18	41	41600	17.829	ug/l	98
49) 1,4-Dioxane	9.18	88	13178	401.612	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	278396	95.961	ug/l	99
52) Toluene	10.14	92	102612	18.182	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	68290	17.979	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72353	18.383	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	41127	18.122	ug/l	98
56) Ethyl methacrylate	10.42	69	60605	18.588	ug/l	98
57) 1,3-Dichloropropane	10.70	76	71225	19.244	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	165102	96.820	ug/l	99
59) 2-Hexanone	10.74	43	198482	93.181	ug/l	100
60) Dibromochloromethane	10.89	129	43764	18.962	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40421	18.271	ug/l	100
64) Tetrachloroethene	10.62	164	47718	19.544	ug/l	98
65) Chlorobenzene	11.43	112	108072	18.020	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42265	19.060	ug/l	98
67) Ethyl Benzene	11.50	91	198754	18.198	ug/l	99
68) m/p-Xylenes	11.62	106	147097	35.698	ug/l	99
69) o-Xylene	11.94	106	71979	18.318	ug/l	100
70) Styrene	11.96	104	113950	17.638	ug/l	99
71) Bromoform	12.12	173	29120	18.221	ug/l #	99
73) Isopropylbenzene	12.25	105	193997	18.467	ug/l	99
74) N-amyl acetate	12.06	43	83470	18.184	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	54418	19.057	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	48662m	15.649	ug/l	
77) Bromobenzene	12.52	156	46485	18.052	ug/l	98
78) n-propylbenzene	12.59	91	223707	18.167	ug/l	100
79) 2-Chlorotoluene	12.67	91	132279	18.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	162376	18.359	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20891	18.546	ug/l #	85
82) 4-Chlorotoluene	12.77	91	138013	18.097	ug/l	99
83) tert-Butylbenzene	12.99	119	137032	17.895	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	161324	18.071	ug/l	99
85) sec-Butylbenzene	13.17	105	181799	17.729	ug/l	99
86) p-Isopropyltoluene	13.28	119	165389	17.426	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82592	18.547	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	82499	18.535	ug/l	99
89) n-Butylbenzene	13.61	91	146663	16.833	ug/l	99
90) Hexachloroethane	13.87	117	23175	16.869	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	79718	17.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11424	17.667	ug/l	96

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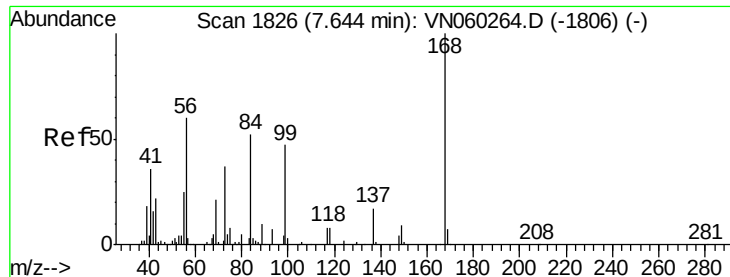
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49320	17.260	ug/l	98
94) Hexachlorobutadiene	15.01	225	24552	18.266	ug/l	99
95) Naphthalene	15.13	128	140744	16.484	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46902	17.251	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

Tot Ion:168 Resp: 201336

Ion Ratio Lower Upper

168 100

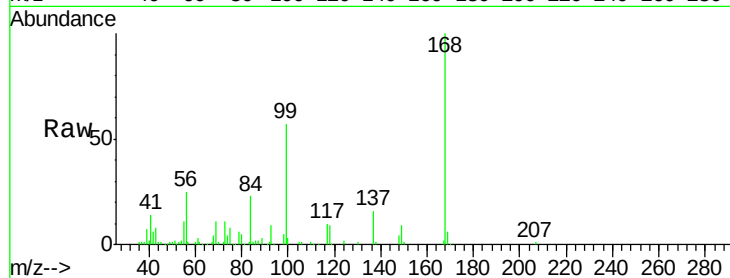
99 56.5 44.7 67.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

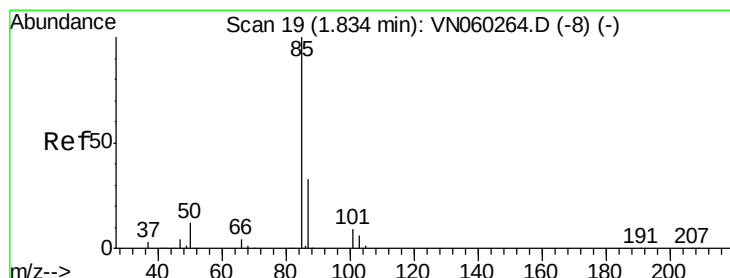
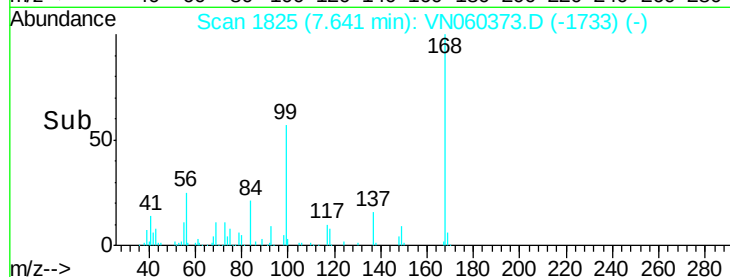
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.252 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060373.D

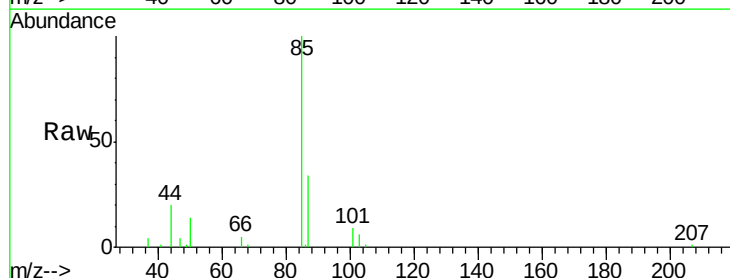
Acq: 6 Mar 2020 12:15

Tgt Ion: 85 Resp: 30000

Ion Ratio Lower Upper

85 100

87 34.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

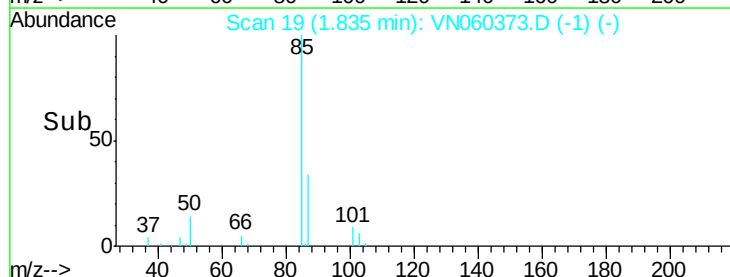
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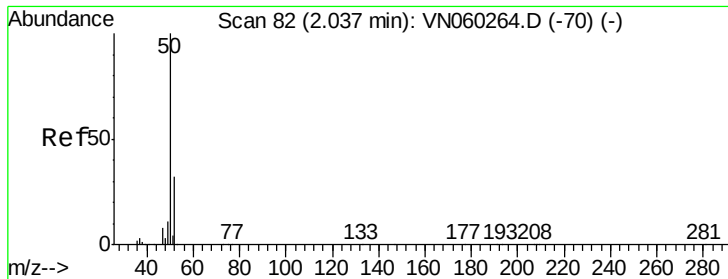
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.396 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

Tot Ion: 50 Resp: 52693

Ion Ratio Lower Upper

50 100

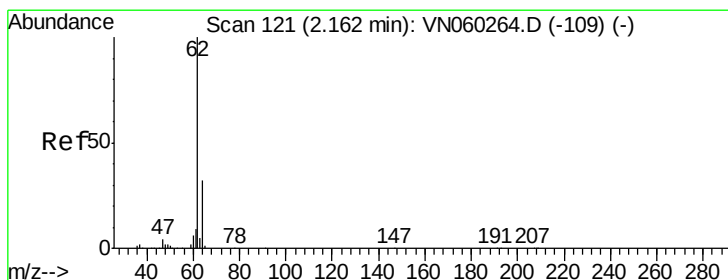
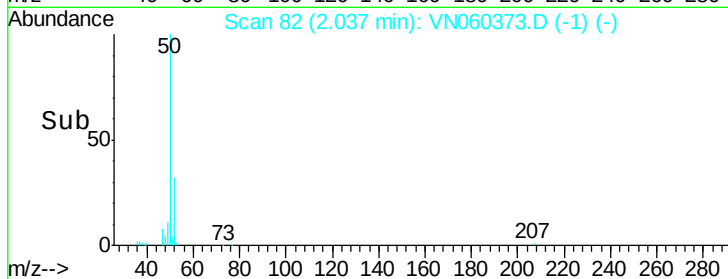
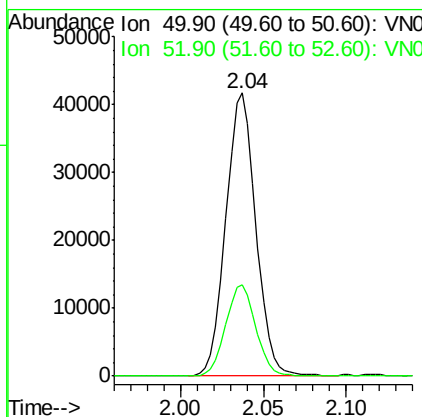
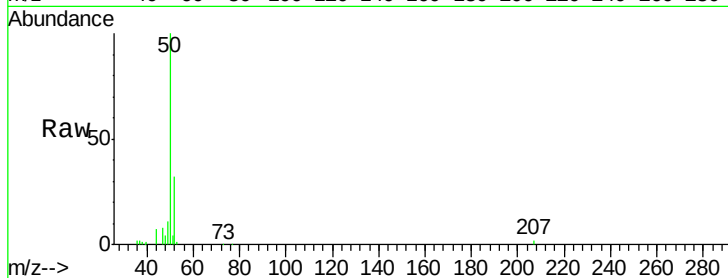
52 32.2 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.289 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060373.D

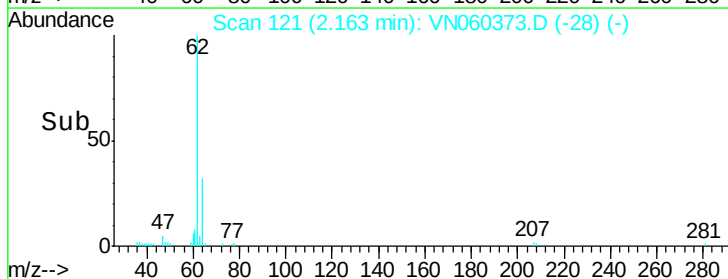
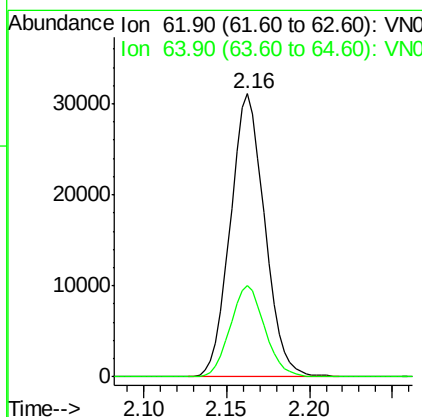
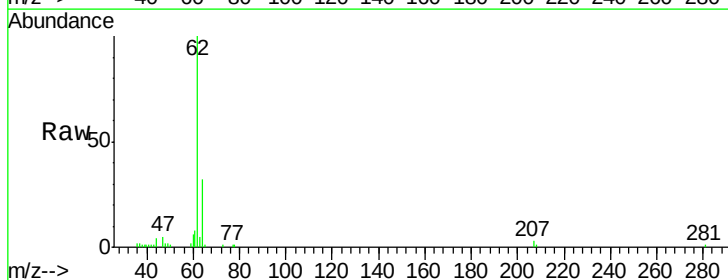
Acq: 6 Mar 2020 12:15

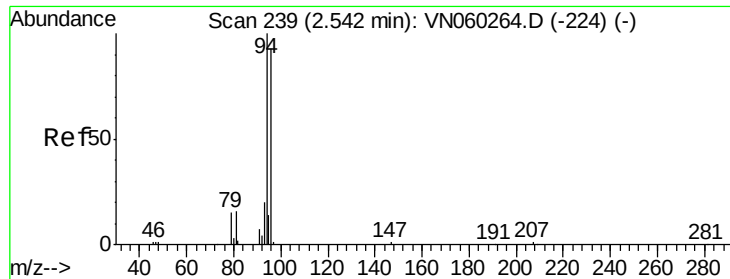
Tgt Ion: 62 Resp: 44896

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 14.856 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

Tot Ion: 94 Resp: 18356

Ion Ratio Lower Upper

94 100

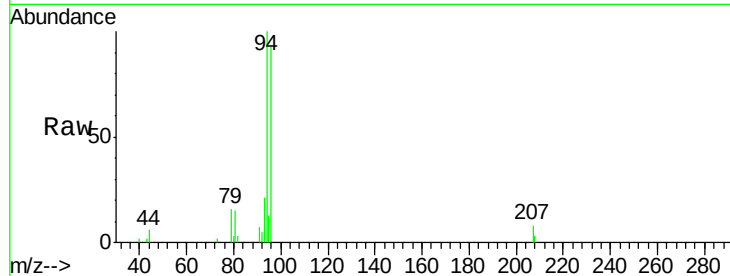
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Manual Integrations

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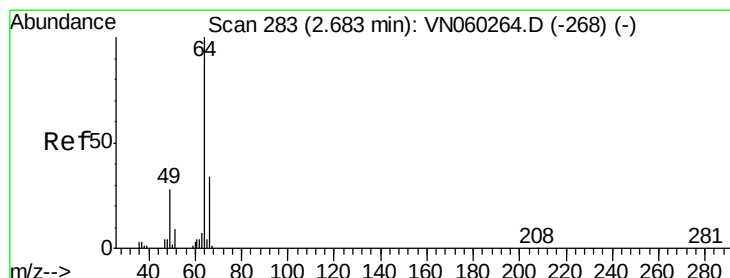
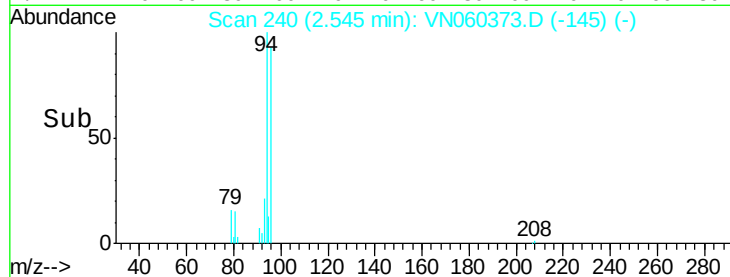
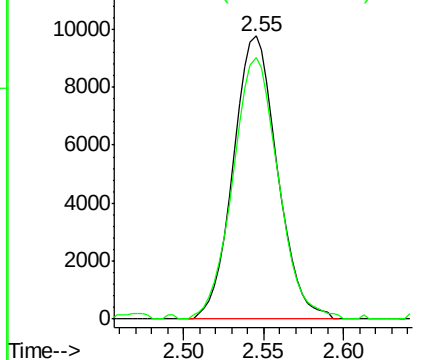
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.524 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060373.D

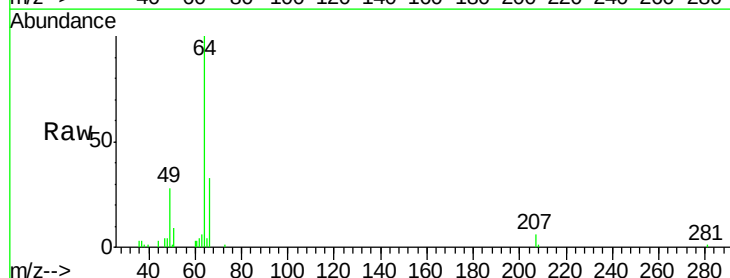
Acq: 6 Mar 2020 12:15

Tgt Ion: 64 Resp: 24676

Ion Ratio Lower Upper

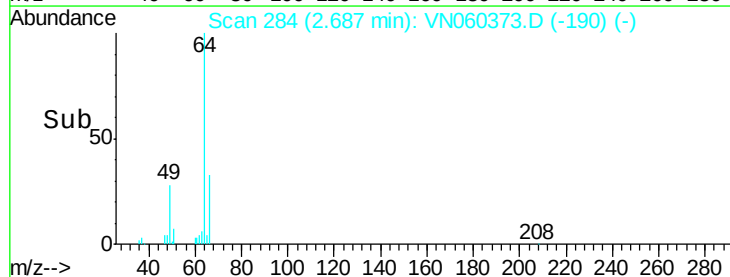
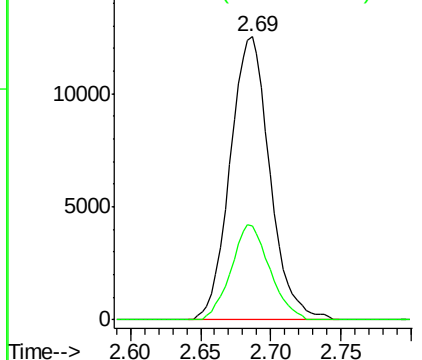
64 100

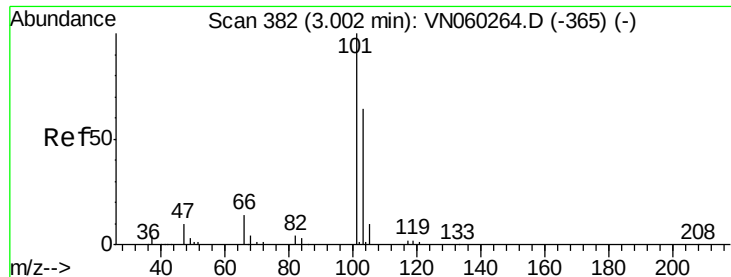
66 33.4 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

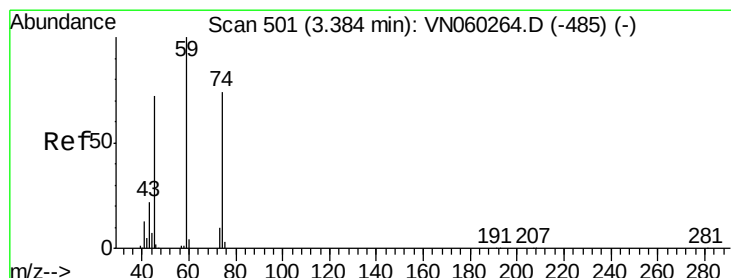
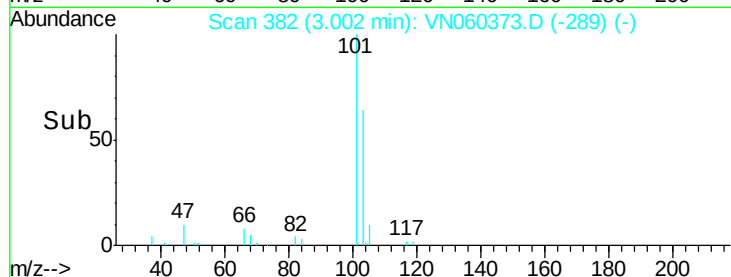
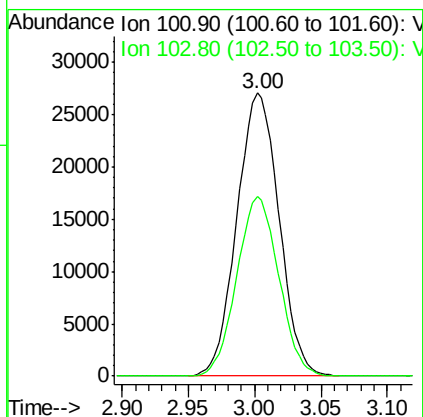
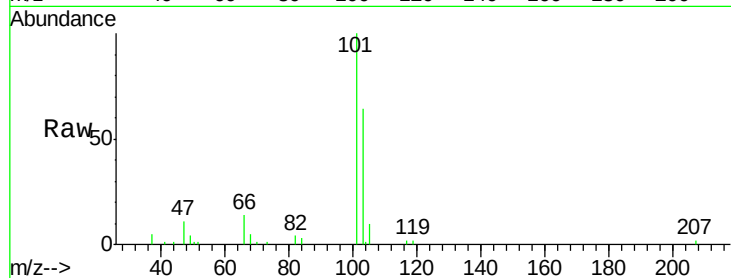
Trichlorofluoromethane
Concen: 17.010 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060373.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		59901		
103	63.6	51.3	76.9		

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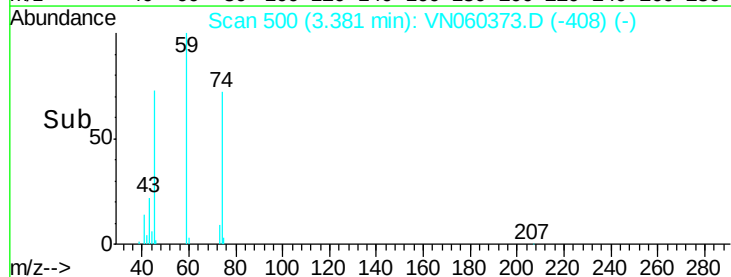
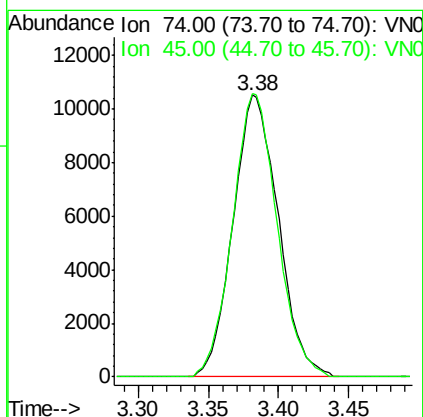
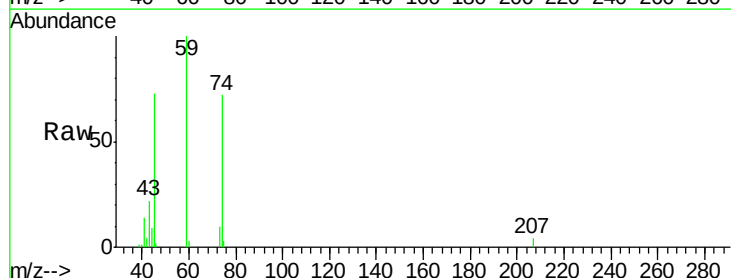
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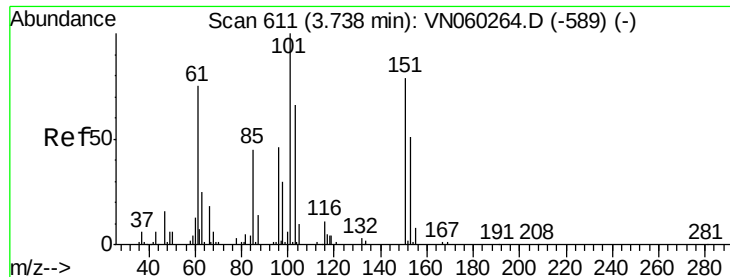


#8

Diethyl Ether
Concen: 17.729 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		23572		
45	98.9	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.729 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

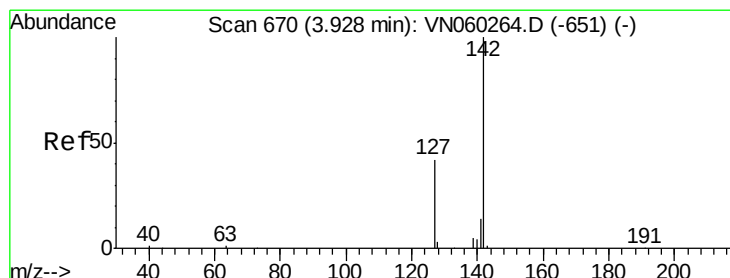
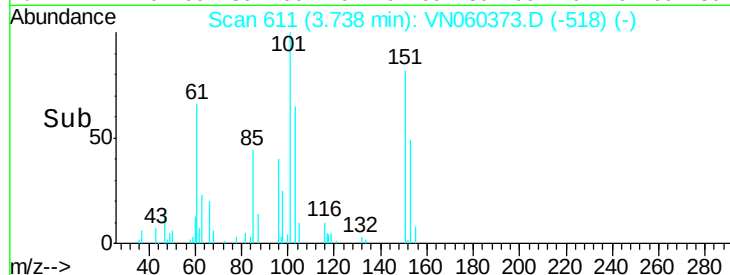
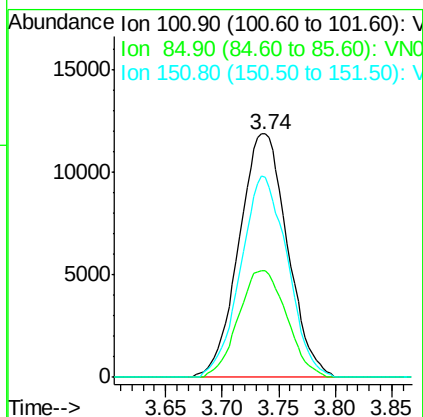
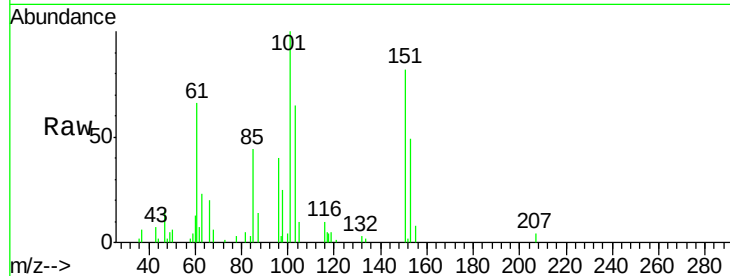
ClientSampleId :

VN0306WBS01

Tot Ion:	101	Resp:	35333
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.4	53.2
151	79.8	62.0	93.0

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#10

Methyl Iodide

Concen: 17.460 ug/l

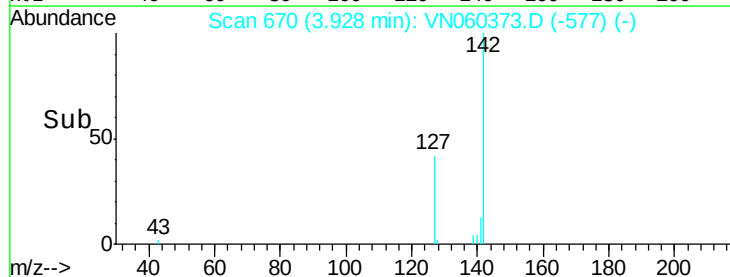
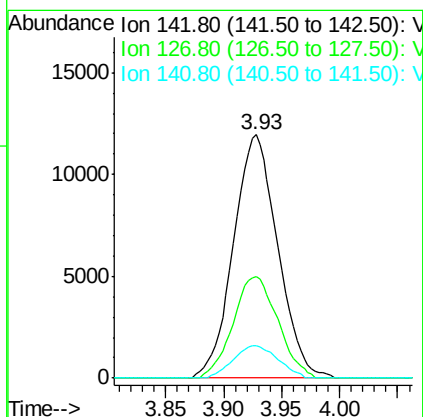
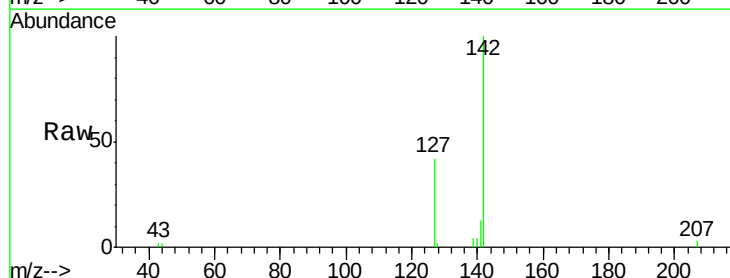
RT: 3.93 min Scan# 670

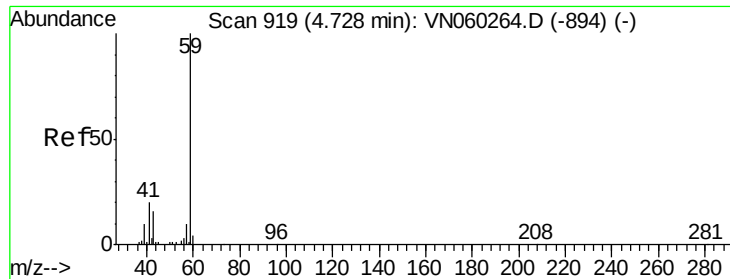
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	142	Resp:	31757
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.8	50.6
141	13.5	11.1	16.7





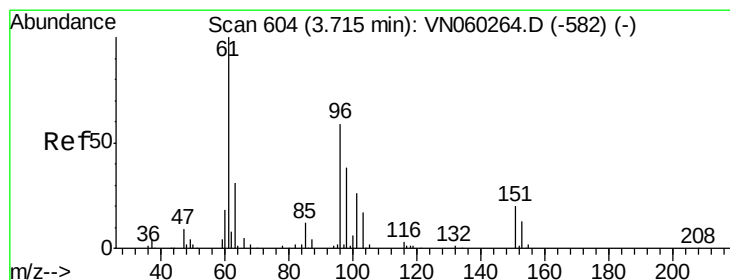
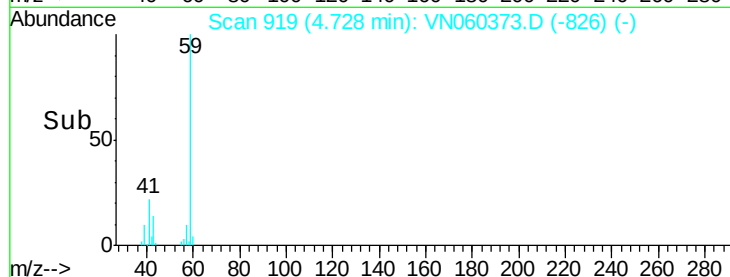
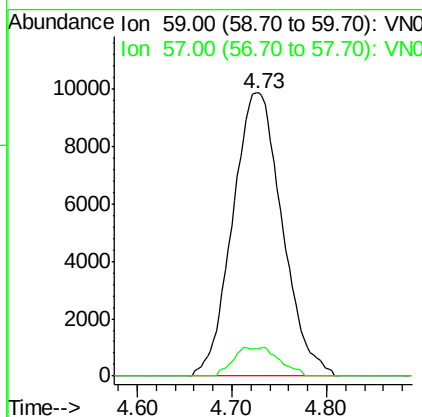
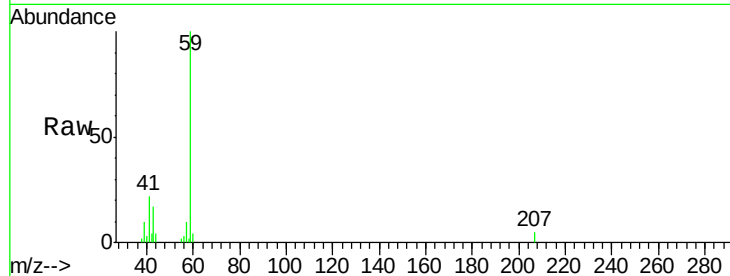
#11
Tert butyl alcohol
Concen: 93.399 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

Tot Ion: 59 Resp: 35825
Ion Ratio Lower Upper
59 100
57 4.2 8.2 12.2#

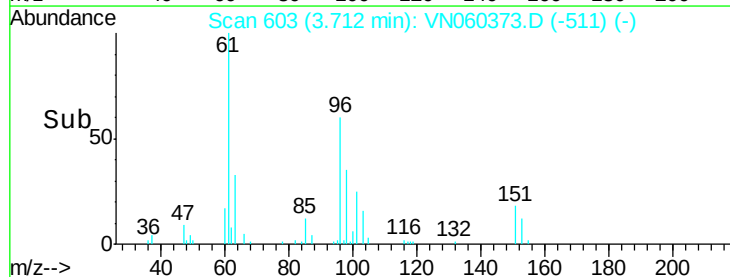
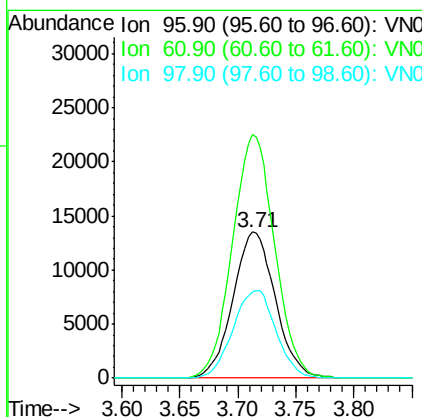
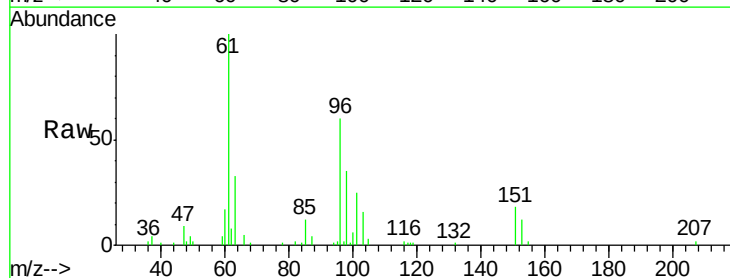
Manual Integrations
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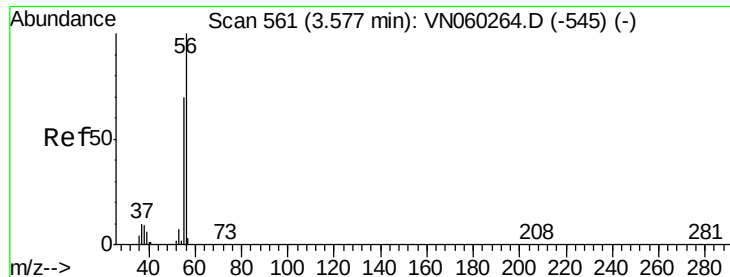
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.656 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 96 Resp: 34249
Ion Ratio Lower Upper
96 100
61 167.1 135.4 203.0
98 58.9 51.6 77.4





#13

Acrolein

Concen: 86.917 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

Tot Ion: 56 Resp: 31102

Ion Ratio Lower Upper

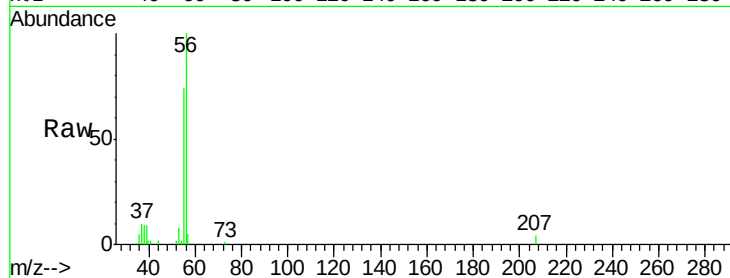
56 100

55 73.3 57.4 86.0

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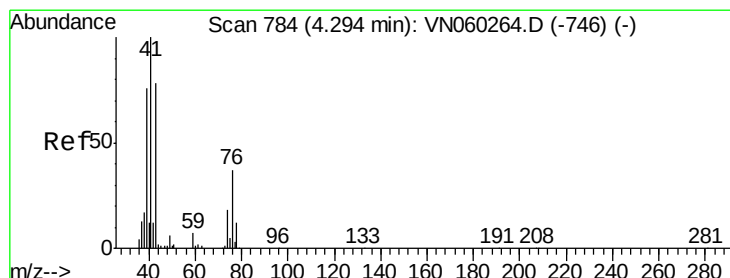
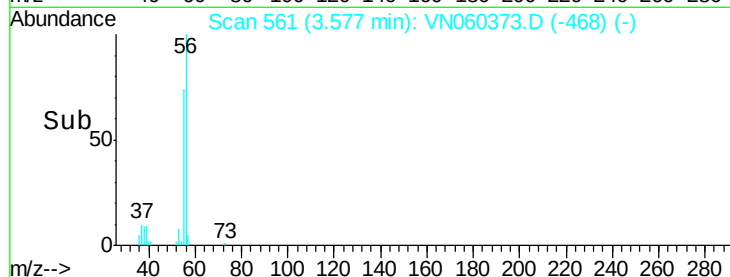
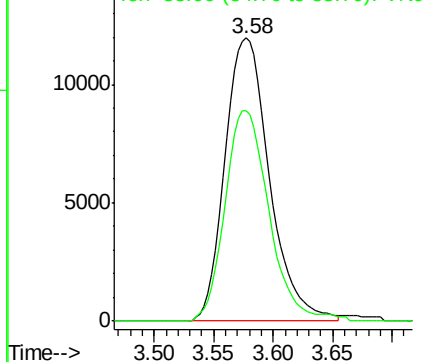
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.909 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

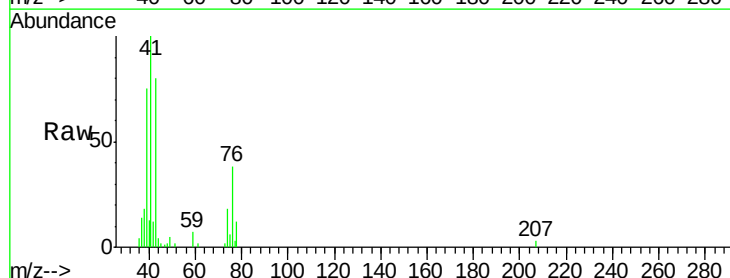
Tgt Ion: 41 Resp: 63870

Ion Ratio Lower Upper

41 100

39 71.3 55.4 83.2

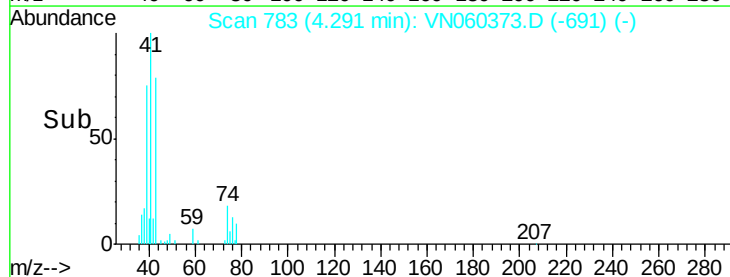
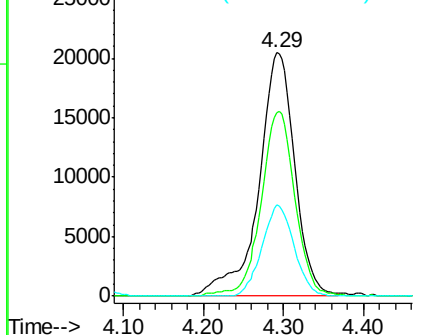
76 33.3 27.0 40.6

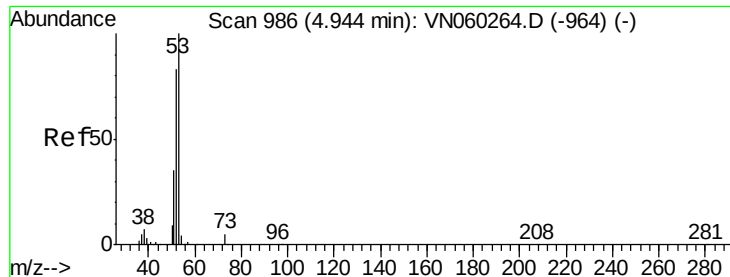


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 92.807 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

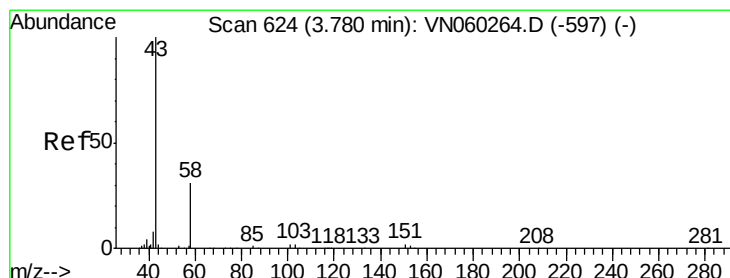
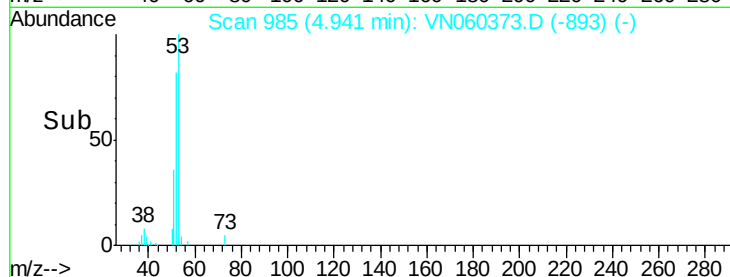
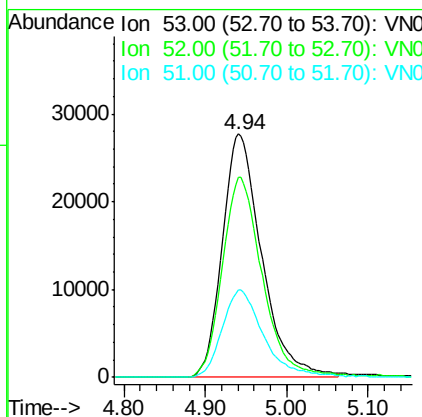
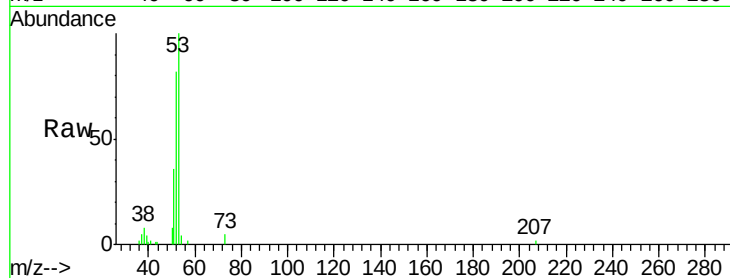
ClientSampled :

VN0306WBS01

Tot Ion:	53	Resp:	93829
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.8	100.2
51	37.6	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 92.613 ug/l

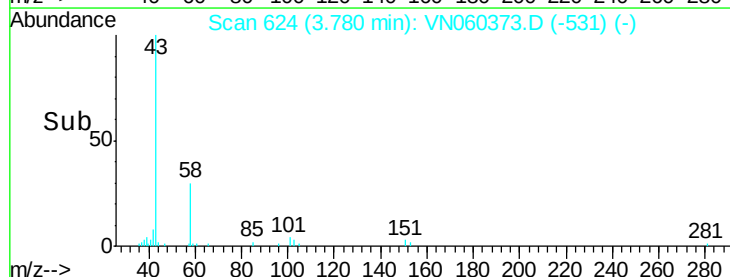
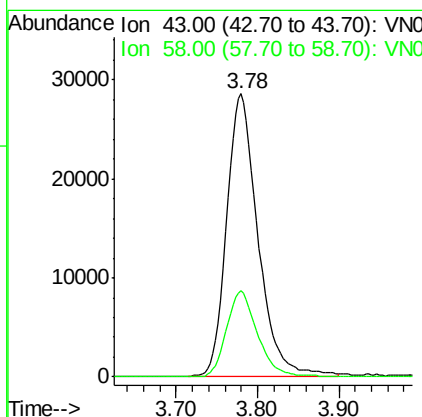
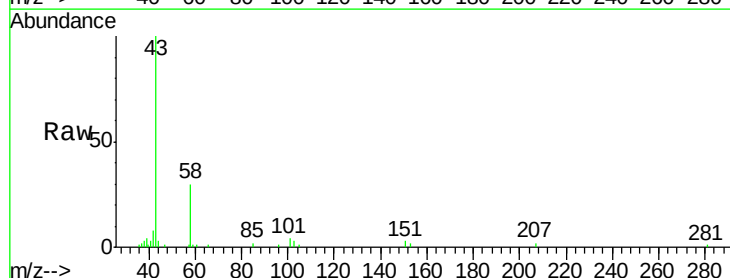
RT: 3.78 min Scan# 624

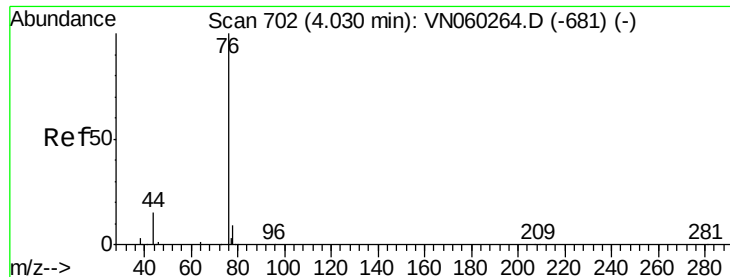
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	43	Resp:	77256
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	36.8





#17

Carbon Disulfide

Concen: 16.383 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

Tot Ion: 76 Resp: 86526

Ion Ratio Lower Upper

76 100

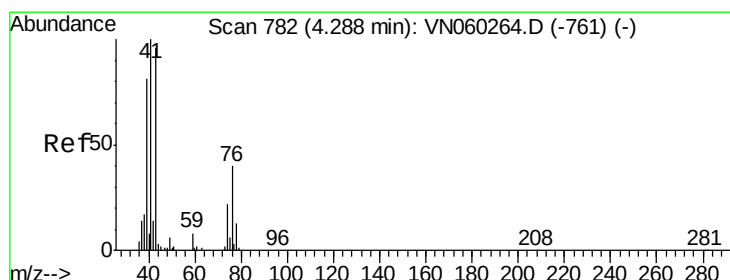
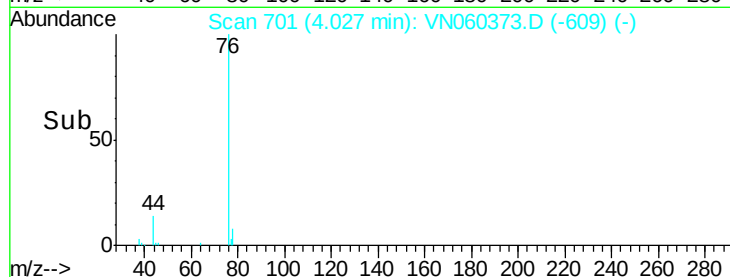
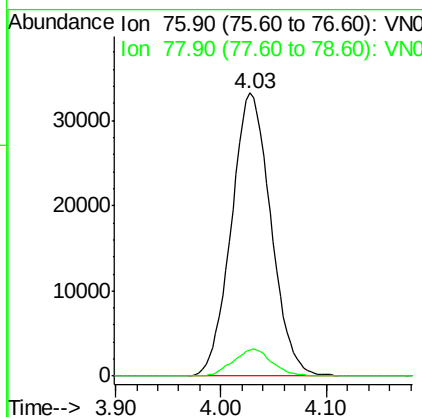
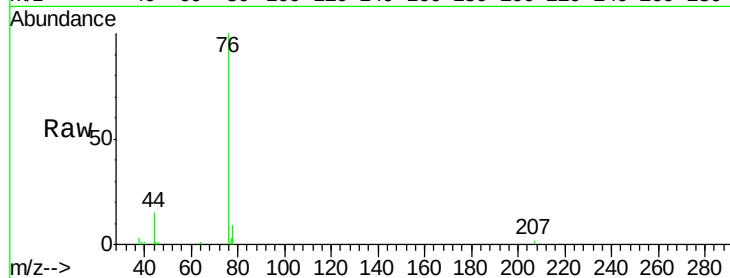
78 9.4 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 17.552 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060373.D

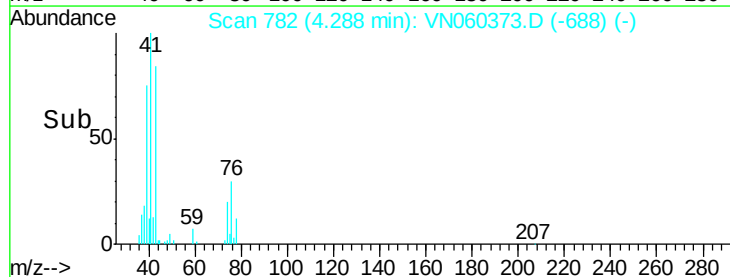
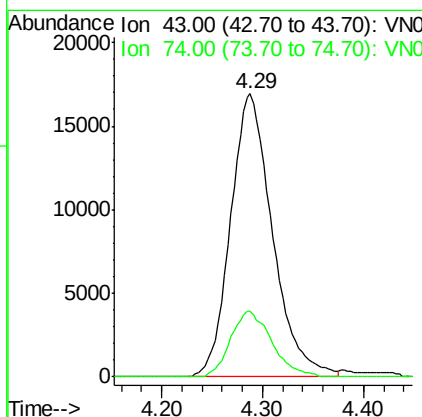
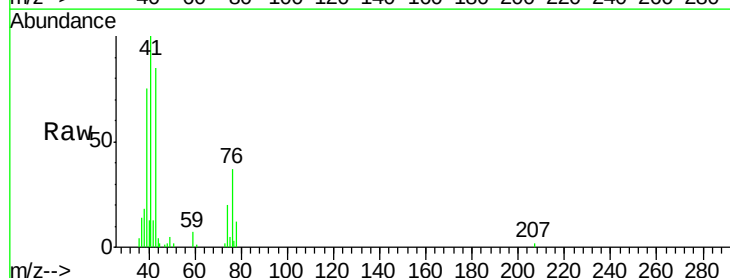
Acq: 6 Mar 2020 12:15

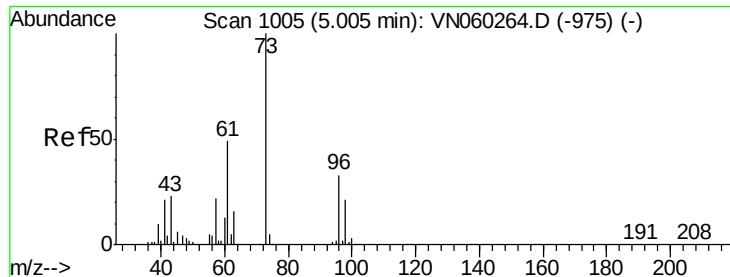
Tgt Ion: 43 Resp: 48862

Ion Ratio Lower Upper

43 100

74 22.9 18.8 28.2





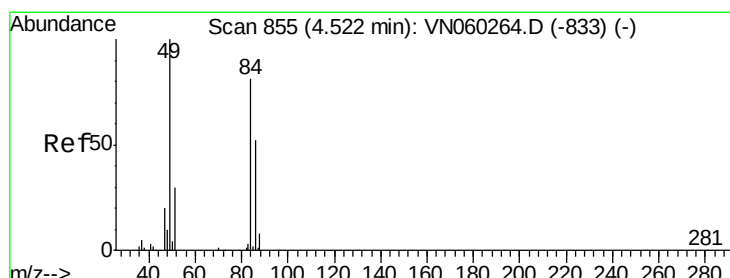
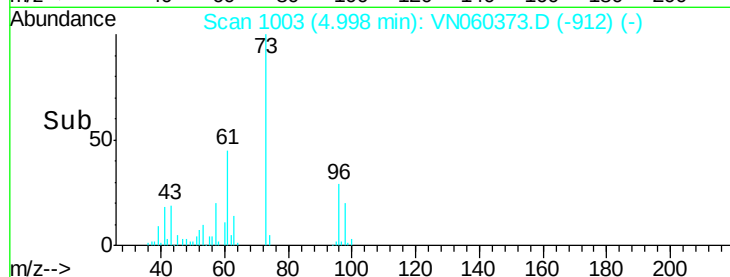
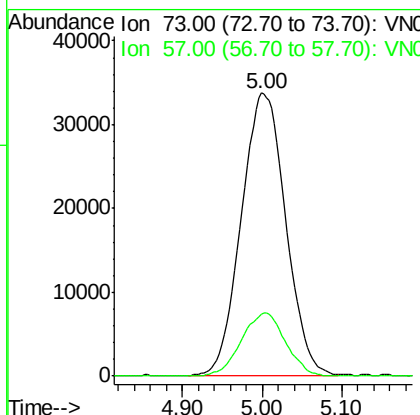
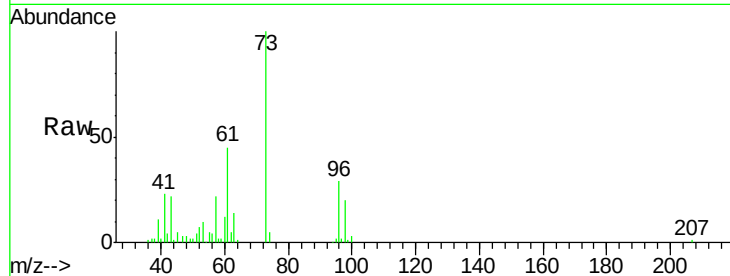
#19
Methvl tert-butvl Ether
Concen: 18.288 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion: 73 Resp: 128432
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9

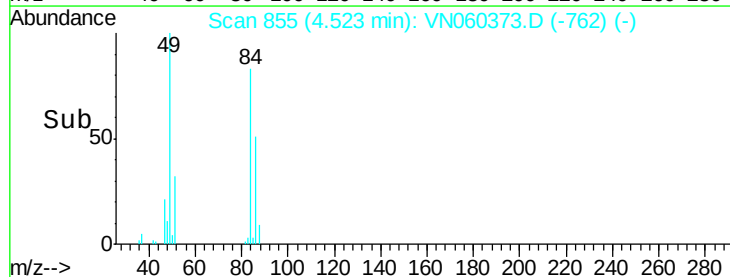
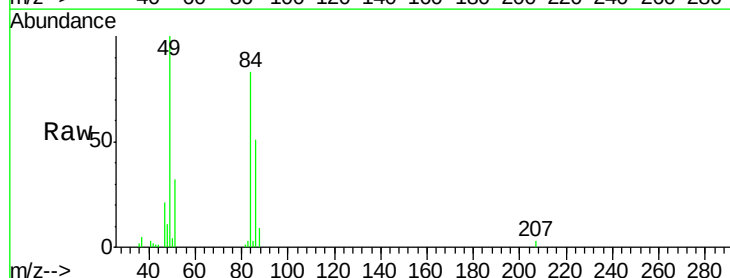
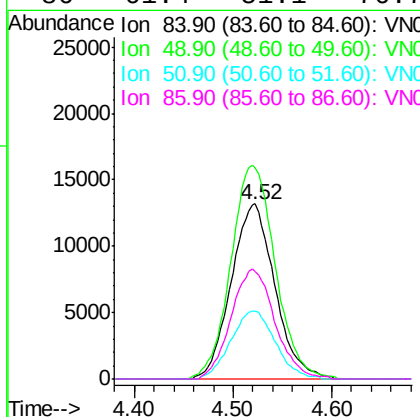
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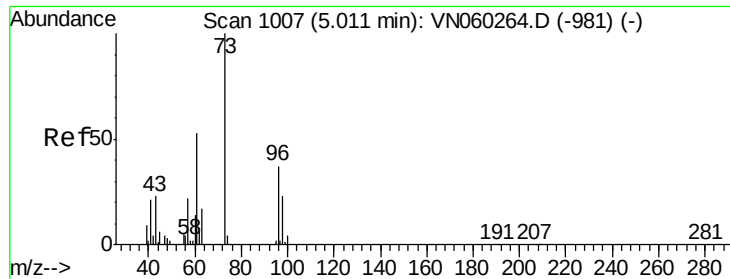
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#20
Methylene Chloride
Concen: 17.647 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 84 Resp: 40429
Ion Ratio Lower Upper
84 100
49 120.5 99.3 148.9
51 38.7 30.1 45.1
86 61.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.254 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

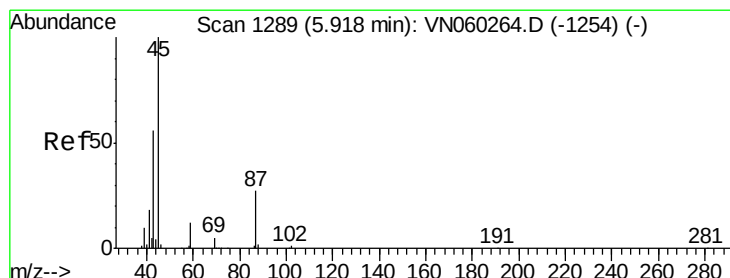
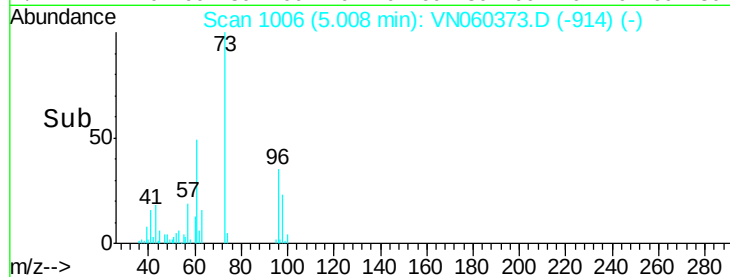
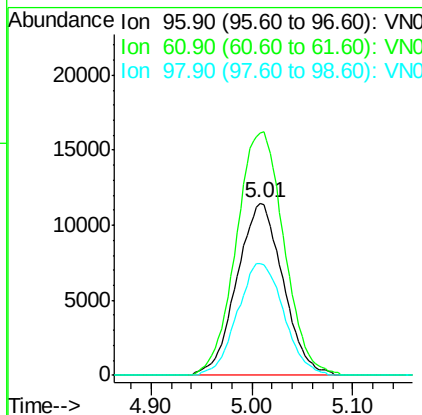
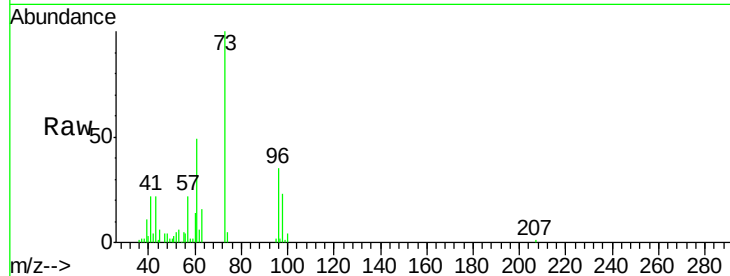
ClientSampled :

VN0306WBS01

Tot Ion:	96	Resp:	36438
Ion	Ratio	Lower	Upper
96	100		
61	140.8	113.8	170.8
98	65.2	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.859 ug/l

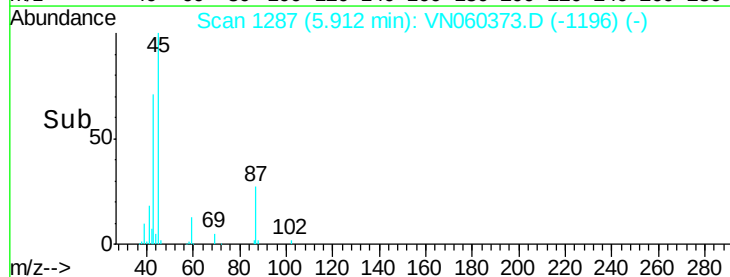
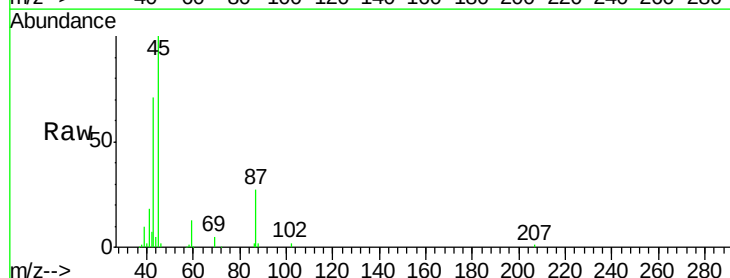
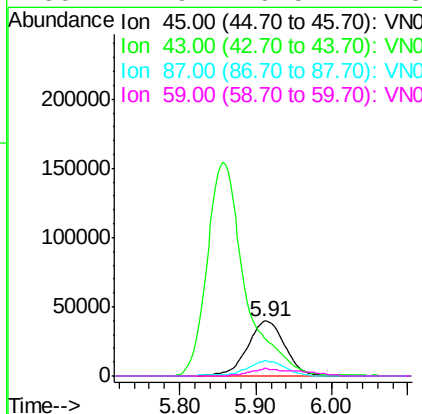
RT: 5.91 min Scan# 1287

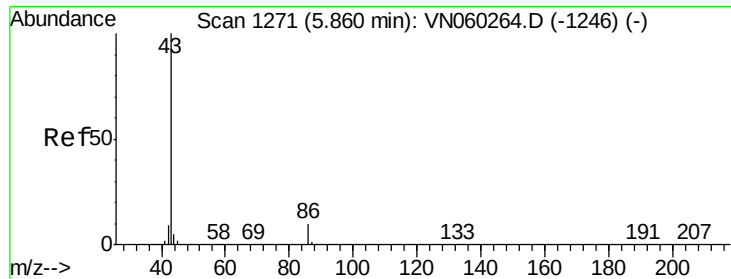
Delta R.T. -0.01 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	45	Resp:	136238
Ion	Ratio	Lower	Upper
45	100		
43	69.1	48.6	72.8
87	27.0	22.2	33.2
59	12.9	9.5	14.3





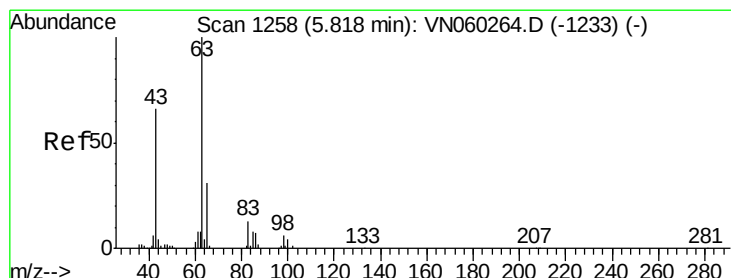
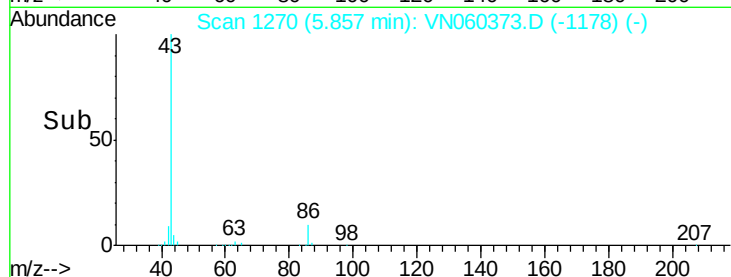
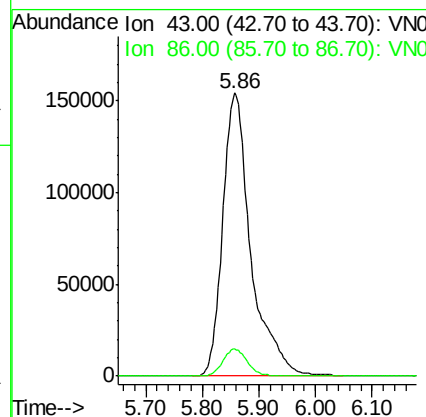
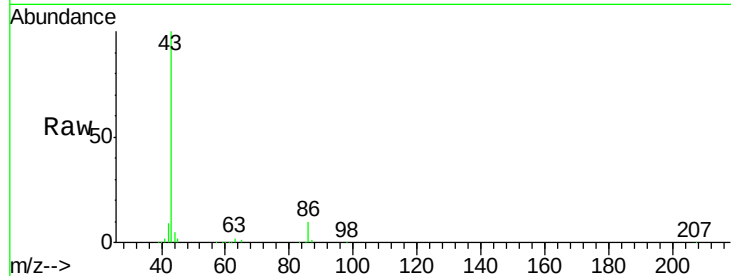
#23
 Vinyl Acetate
 Concen: 93.094 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBS01

Tot Ion	43	Resp	534407
Ion Ratio	100	Lower	Upper
43	100		
86	9.6	8.0	12.0

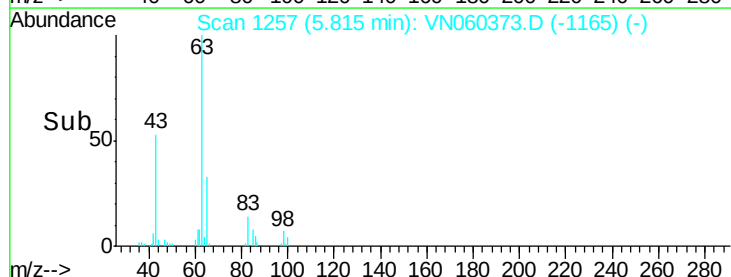
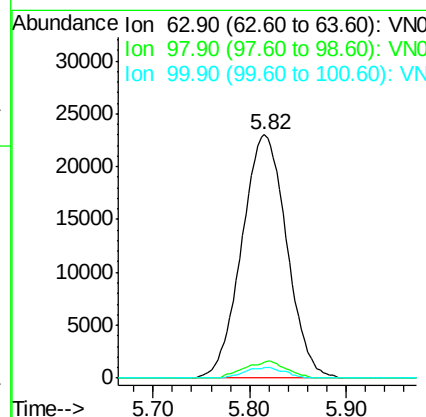
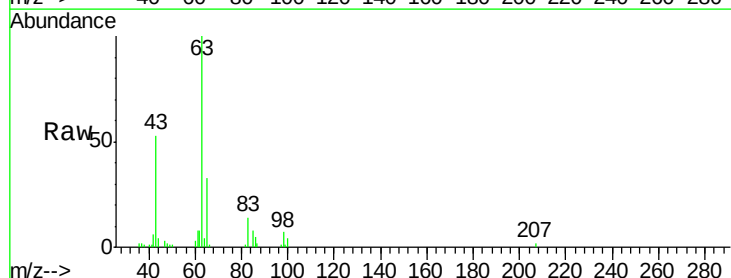
Manual Integrations
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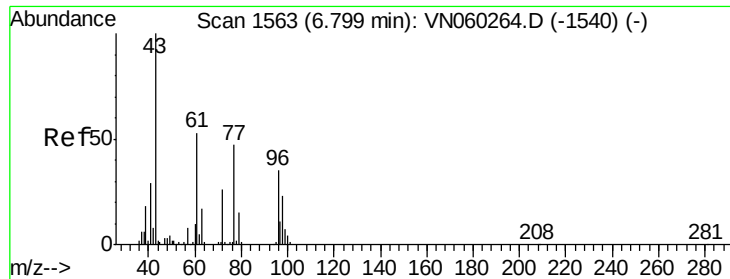
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.155 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	63	Resp	74241
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.0	9.0
100	4.1	2.0	6.0





#25

2-Butanone

Concen: 94.511 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

Tot Ion: 43 Resp: 127344

Ion Ratio Lower Upper

43 100

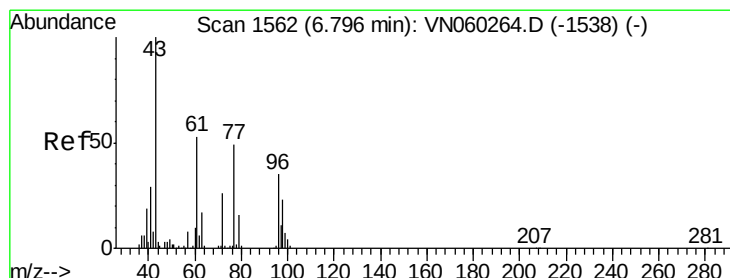
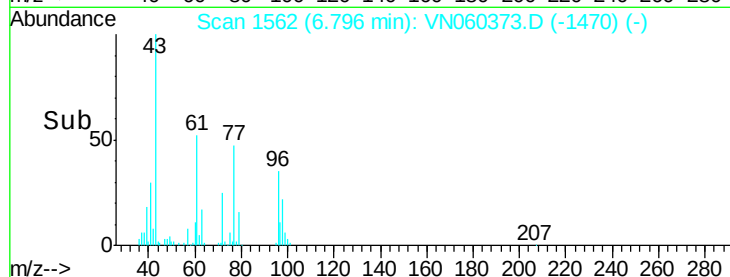
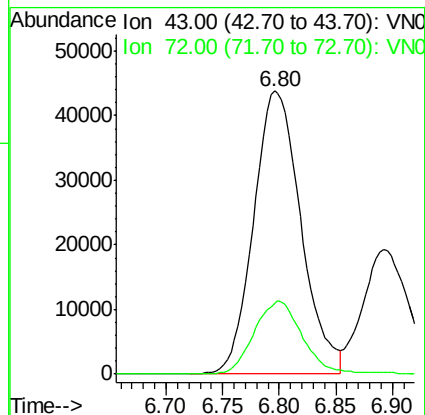
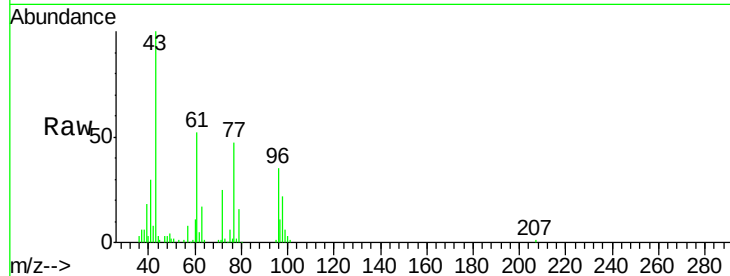
72 25.1 20.9 31.3

Manual Integrations

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MMDadoda

3/9/2020 11:41:27 AM



#26

2,2-Dichloropropane

Concen: 18.438 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060373.D

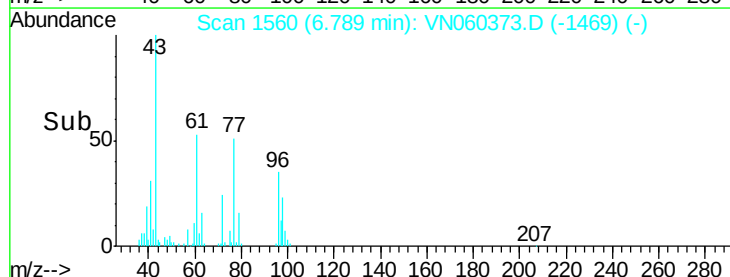
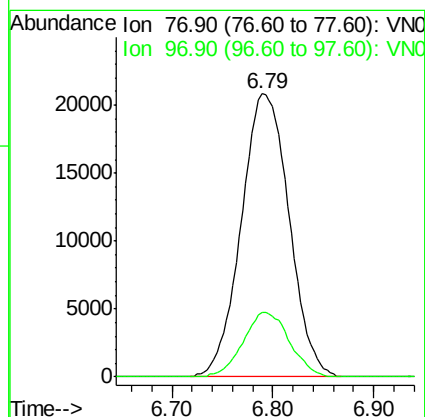
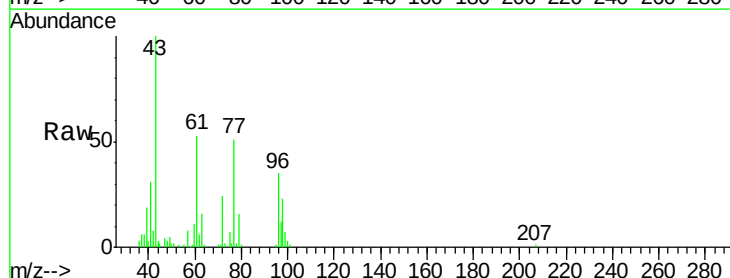
Acq: 6 Mar 2020 12:15

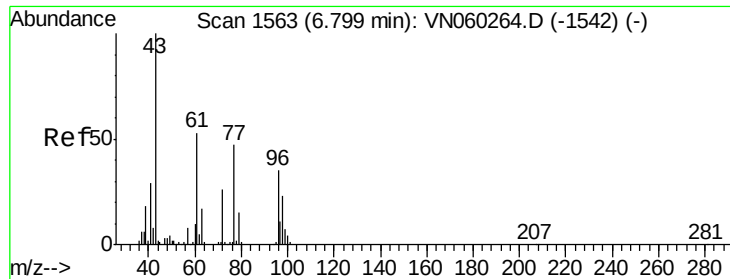
Tgt Ion: 77 Resp: 68642

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.134 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

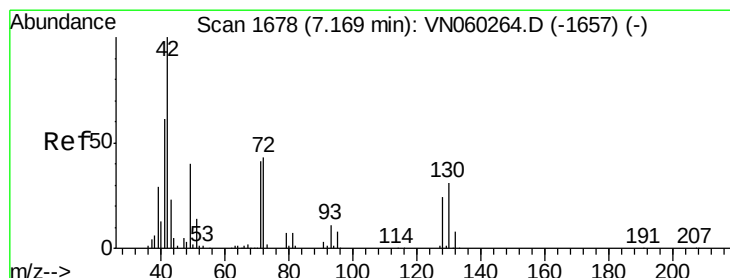
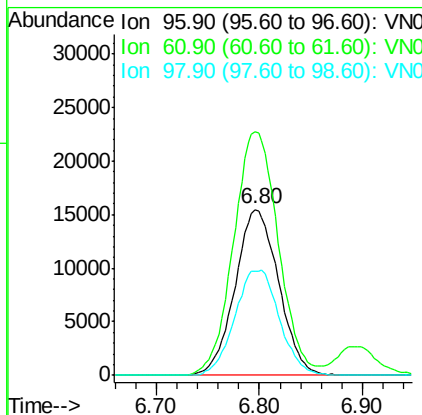
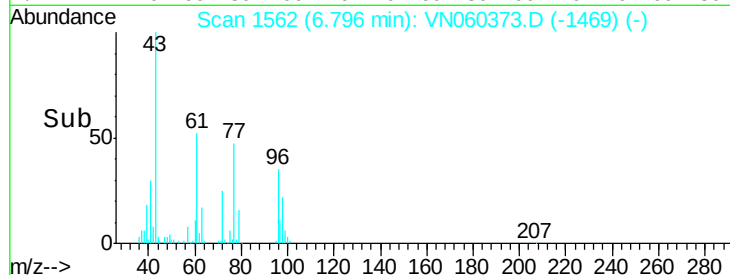
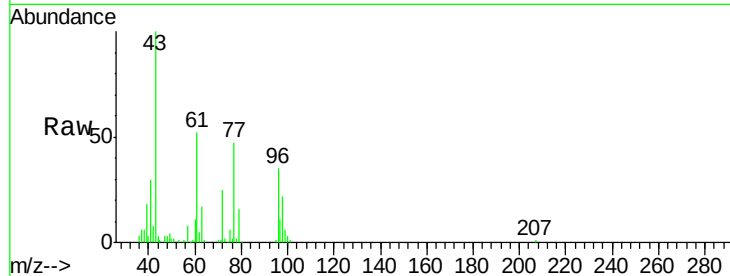
ClientSampleId :

VN0306WBS01

Tot Ion:	96	Resp:	45517
Ion	Ratio	Lower	Upper
96	100		
61	151.1	0.0	300.8
98	65.0	0.0	128.2

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#28

Bromochloromethane

Concen: 17.805 ug/l

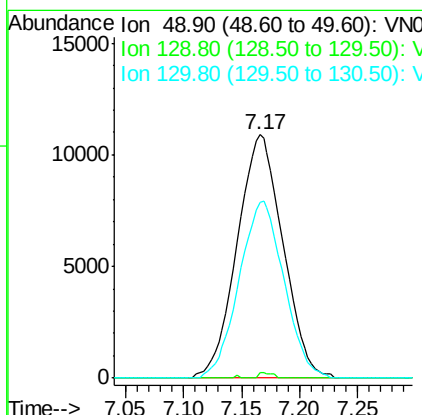
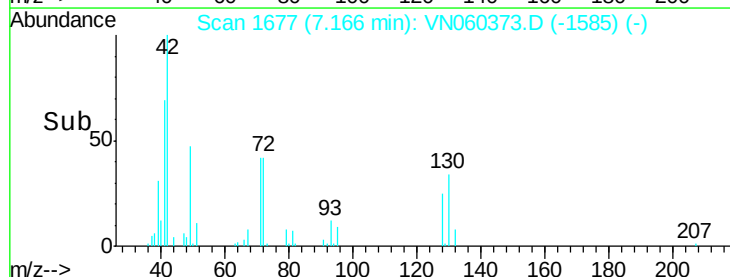
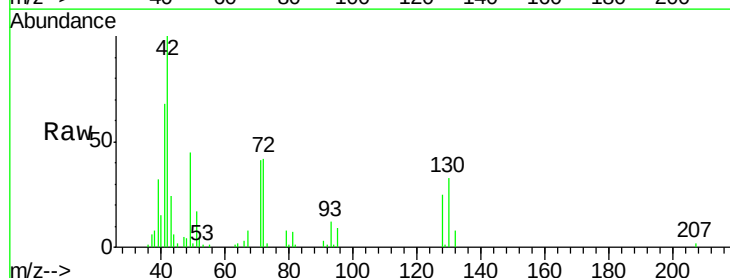
RT: 7.17 min Scan# 1677

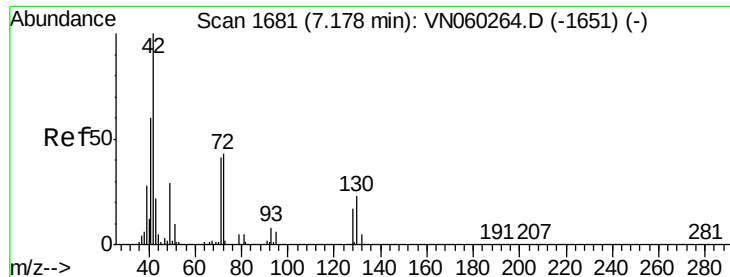
Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	49	Resp:	29894
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	71.2	59.8	89.8





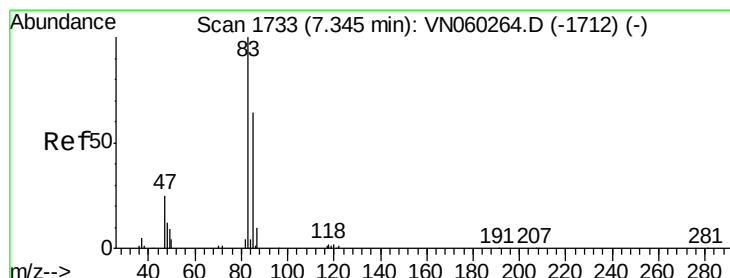
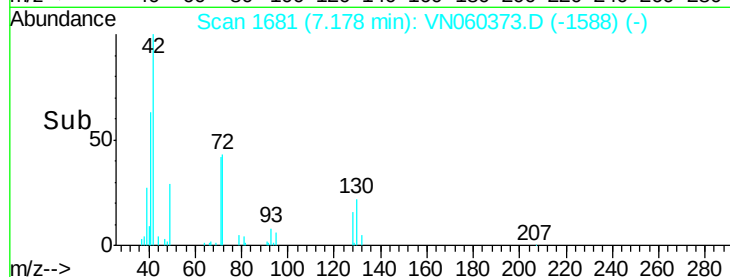
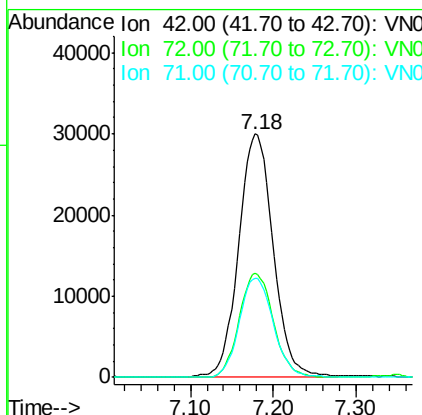
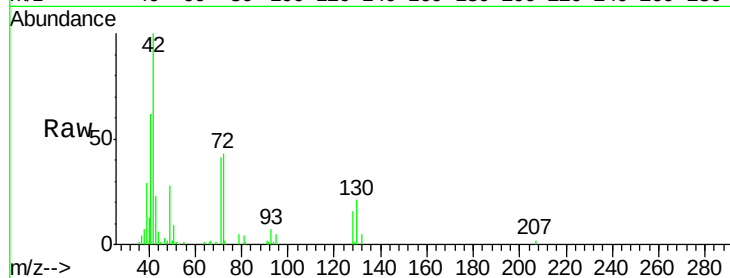
#29
Tetrahydrofuran
Concen: 92.962 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.6	52.0
71	40.2	32.9	49.3

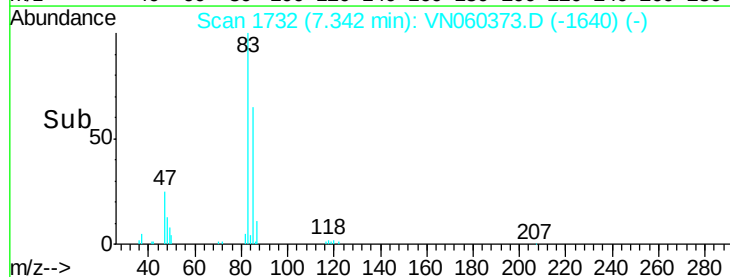
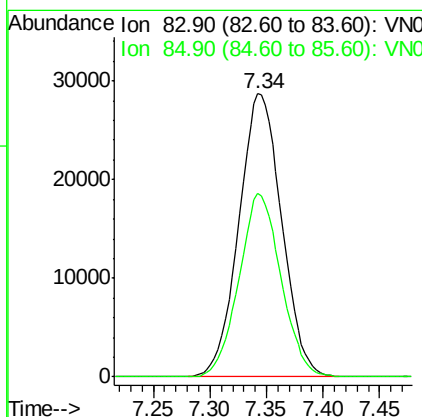
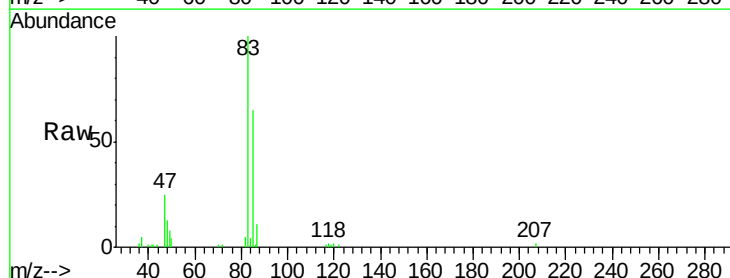
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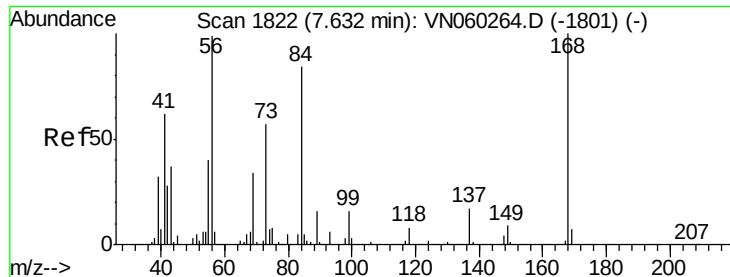
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#30
Chloroform
Concen: 18.548 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2





#31

Cyclohexane

Concen: 18.354 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

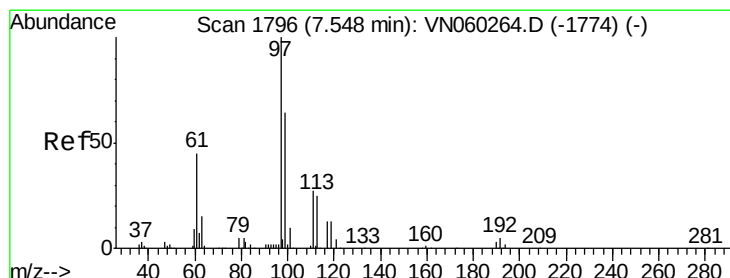
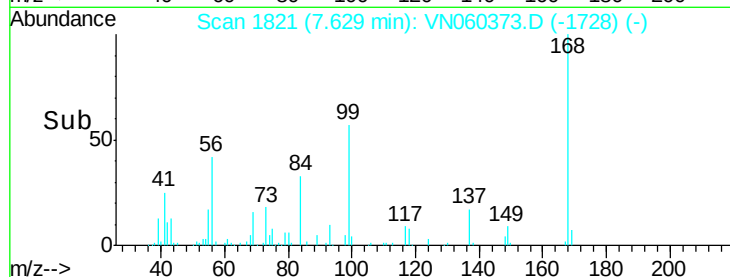
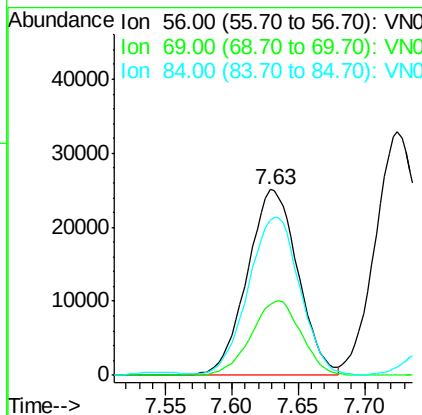
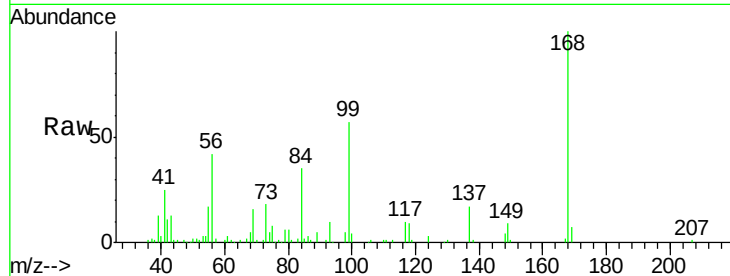
ClientSampled :

VN0306WBS01

Tot Ion:	56	Resp:	67010
Ion Ratio	Lower	Upper	
56	100		
69	38.4	27.2	40.8
84	82.8	66.7	100.1

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#32

1,1,1-Trichloroethane

Concen: 18.015 ug/l

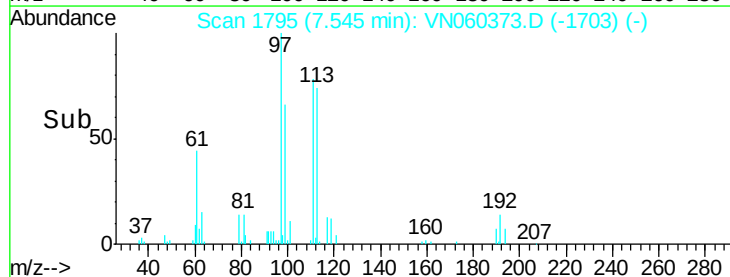
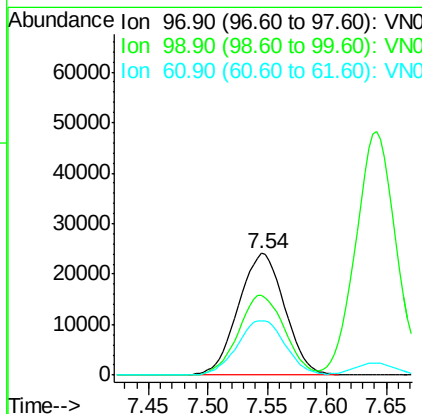
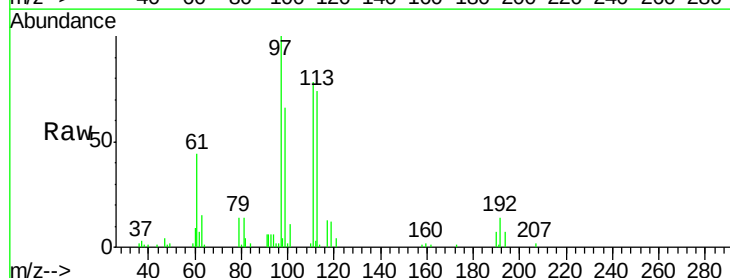
RT: 7.54 min Scan# 1795

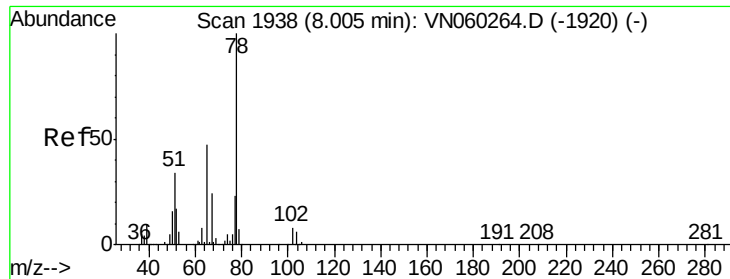
Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	97	Resp:	64975
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.4	77.0
61	46.2	36.6	55.0





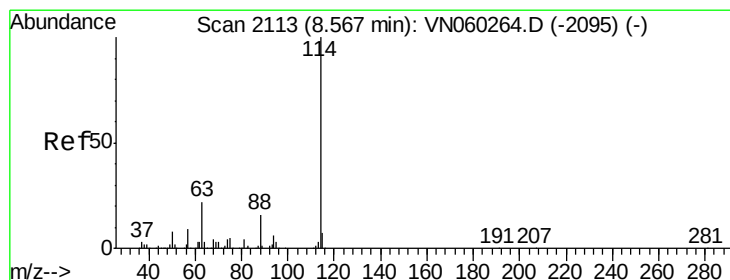
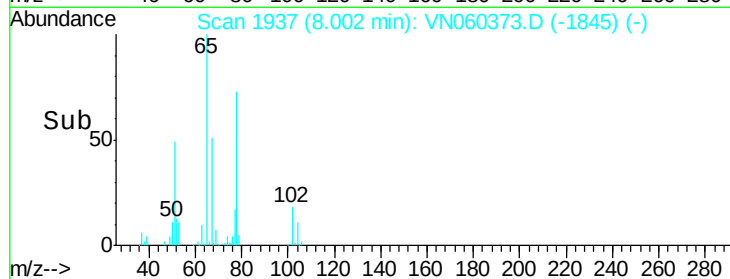
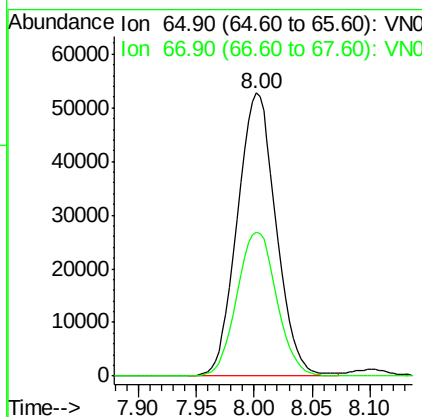
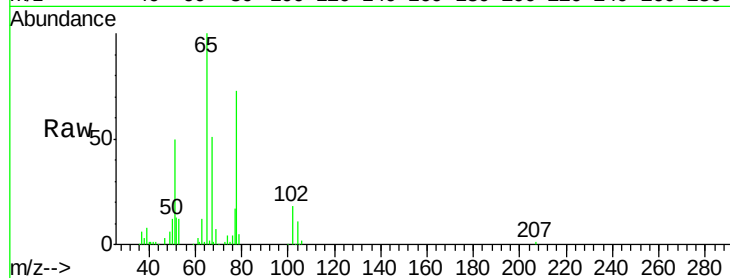
#33
 1,2-Dichloroethane-d4
 Concen: 47.508 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.8	

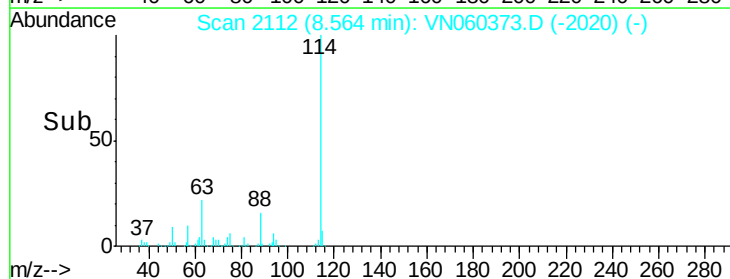
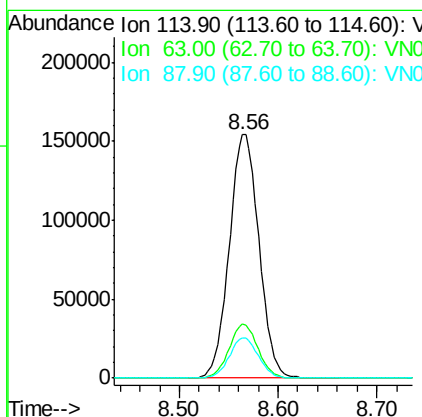
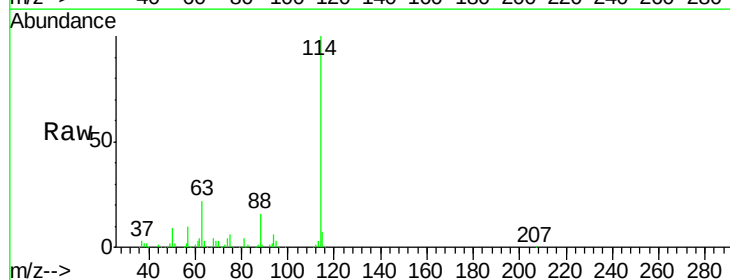
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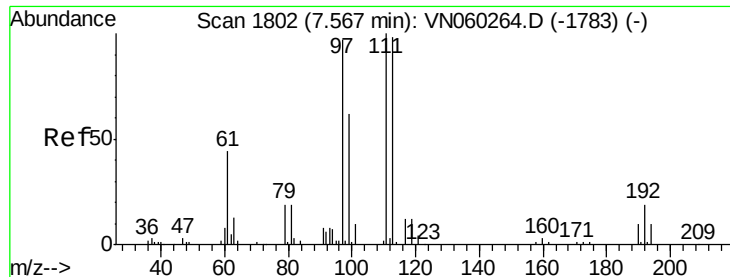
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	43.2	
88	16.4	0.0	31.6	





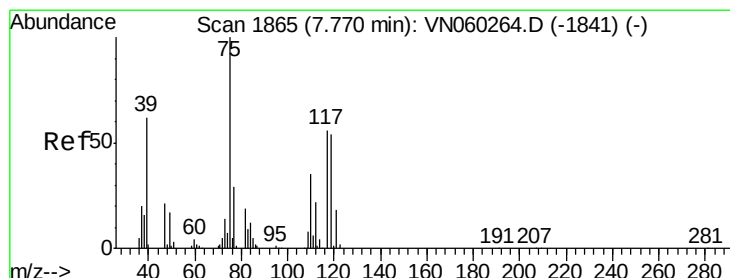
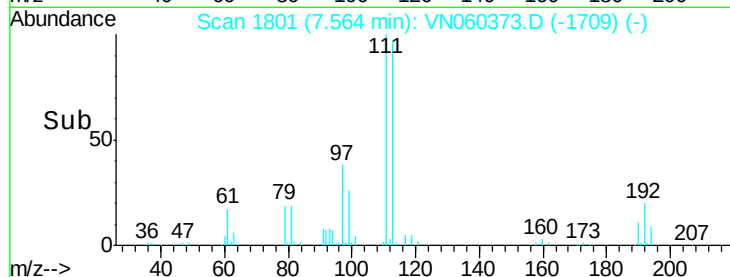
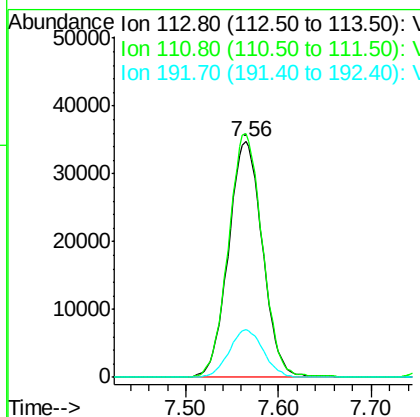
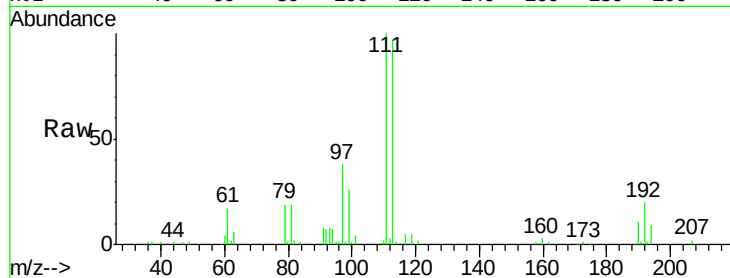
#35
 Dibromofluoromethane
 Concen: 58.993 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	20.3	16.2	24.2

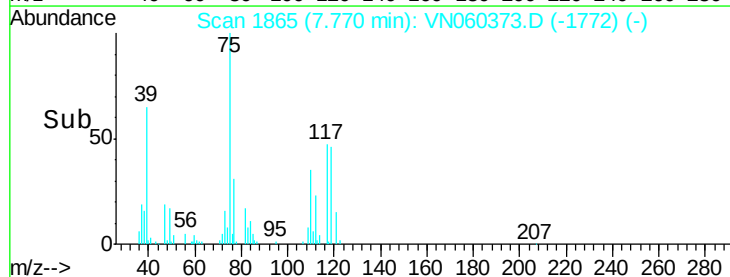
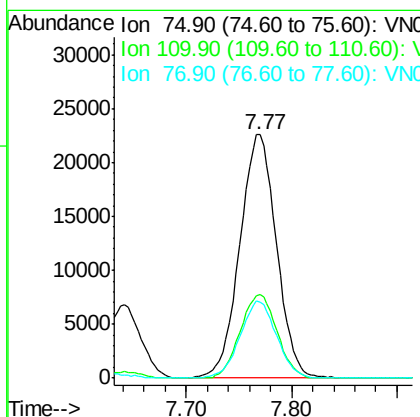
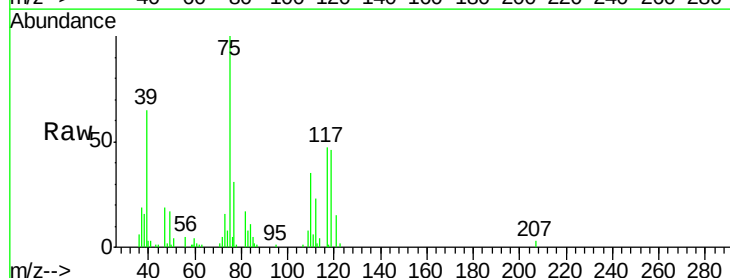
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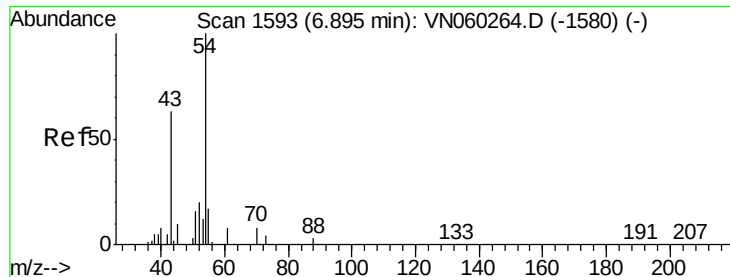
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#36
 1,1-Dichloropropene
 Concen: 17.735 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	31.4	24.2	36.2





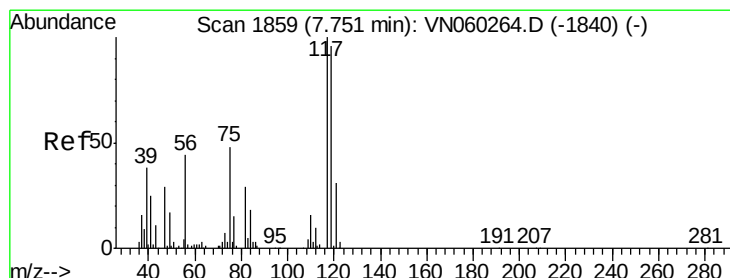
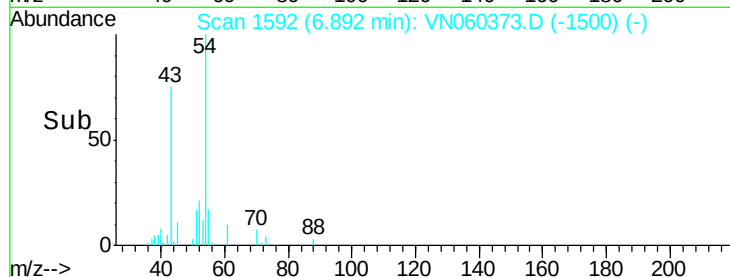
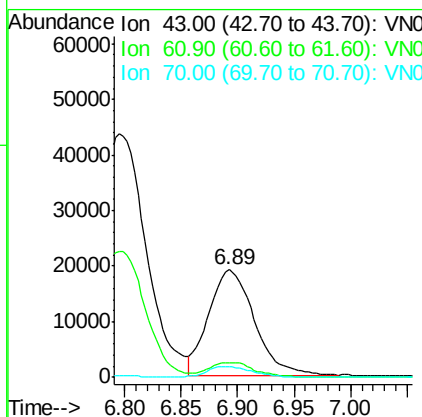
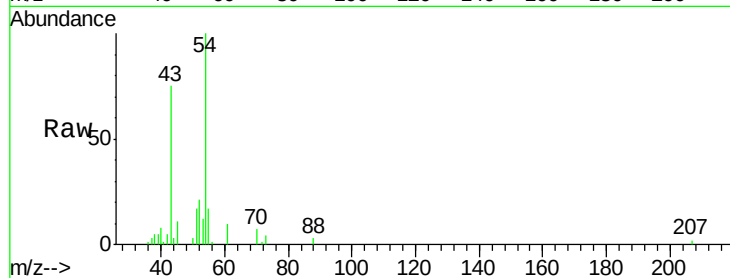
#37
Ethyl Acetate
Concen: 18.455 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.2	11.1	16.7	
70	10.1	8.4	12.6	

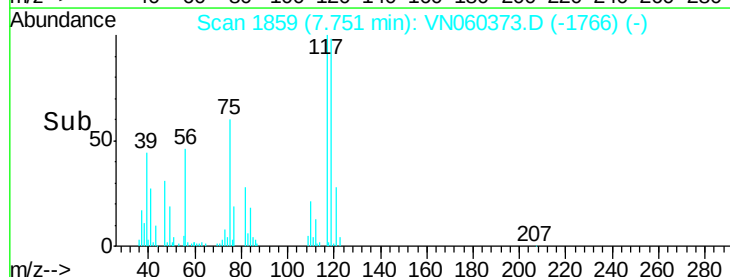
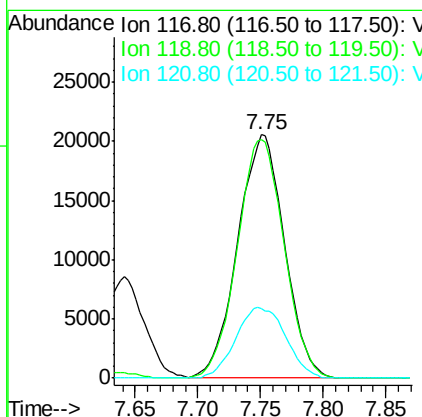
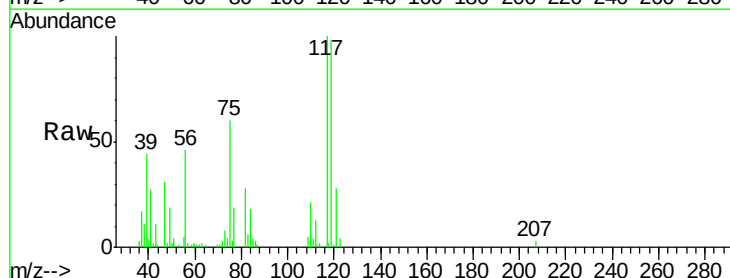
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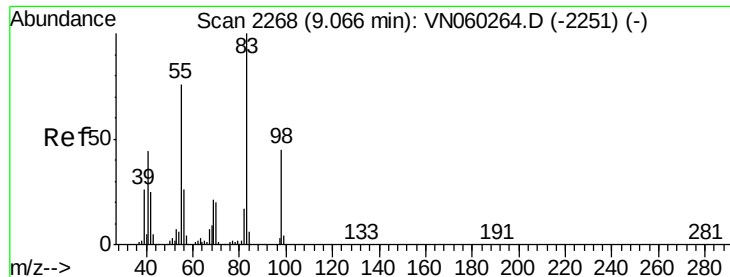
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#38
Carbon Tetrachloride
Concen: 17.735 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.0	76.7	115.1	
121	28.4	24.5	36.7	





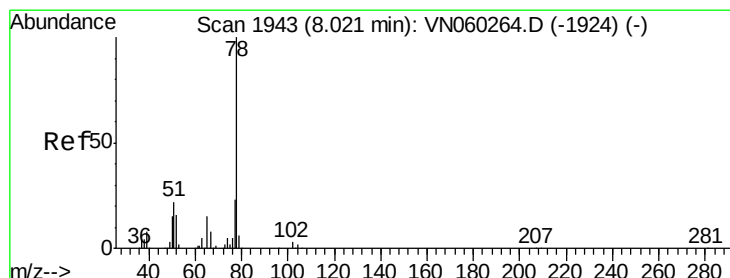
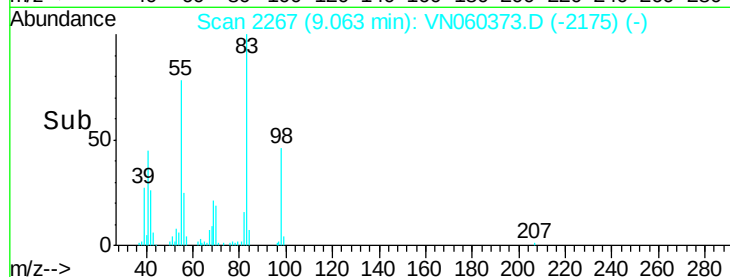
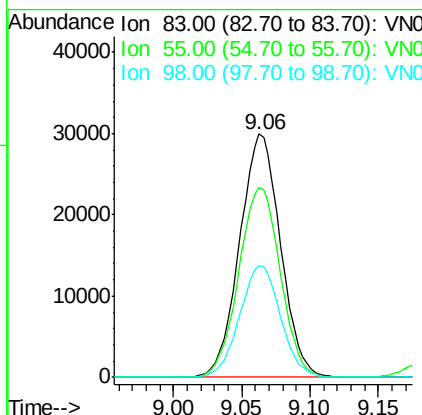
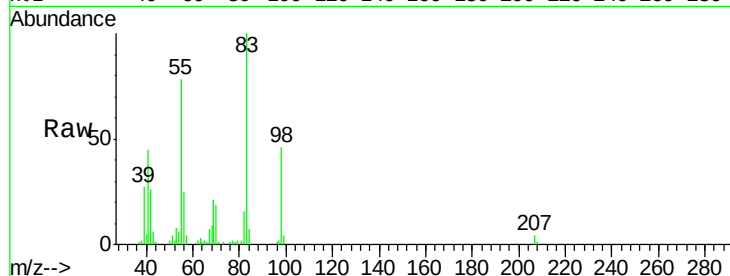
#39
Methylvlcyclohexane
Concen: 17.099 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.0	91.4
98	46.0	36.1	54.1

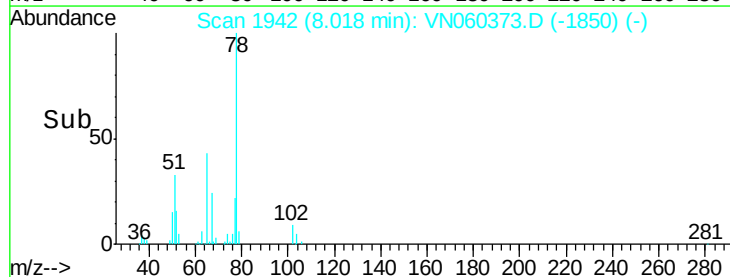
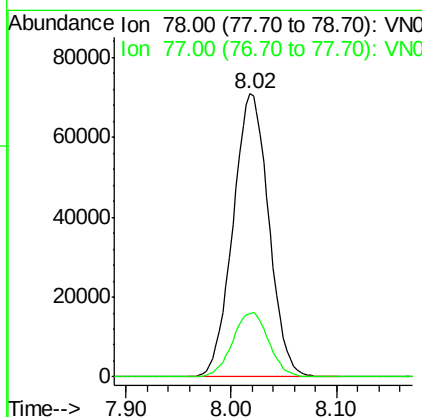
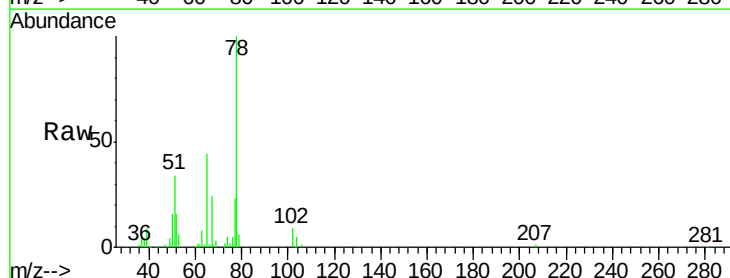
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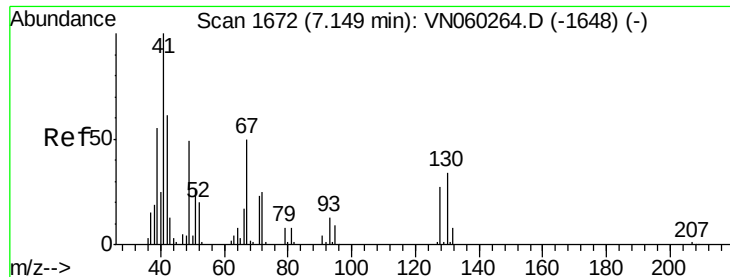
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#40
Benzene
Concen: 18.572 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2





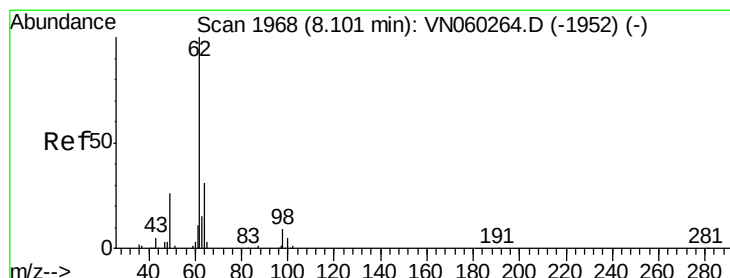
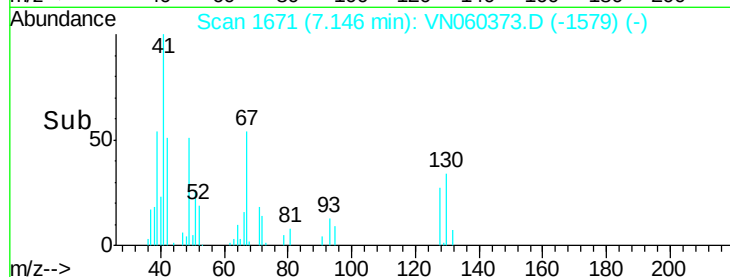
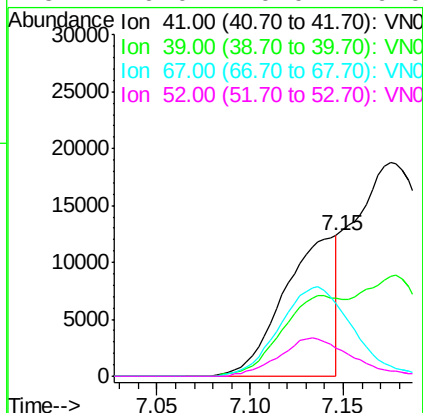
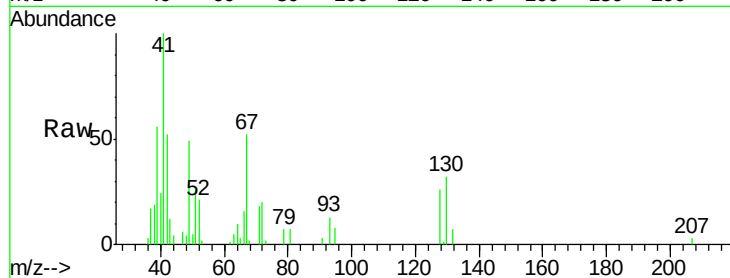
#41
Methacrylonitrile
Concen: 18.096 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion	41	Resp	24421
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

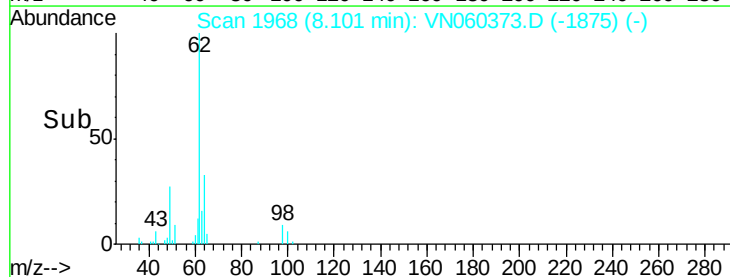
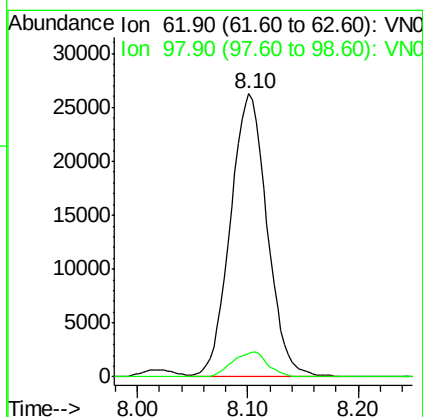
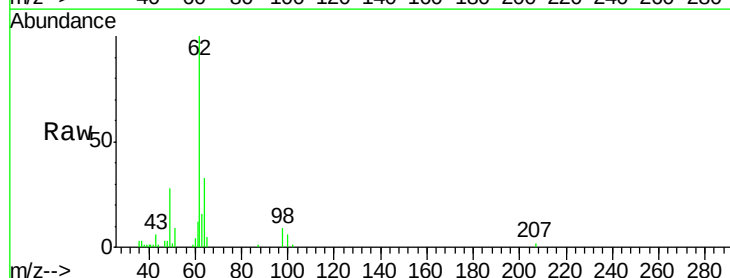
Manual Integrations
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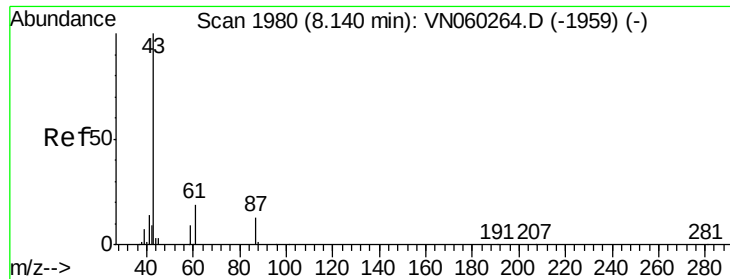
MMDadoda
3/9/2020 11:41:27 AM



#42
1,2-Dichloroethane
Concen: 18.727 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	62	Resp	60712
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.003 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

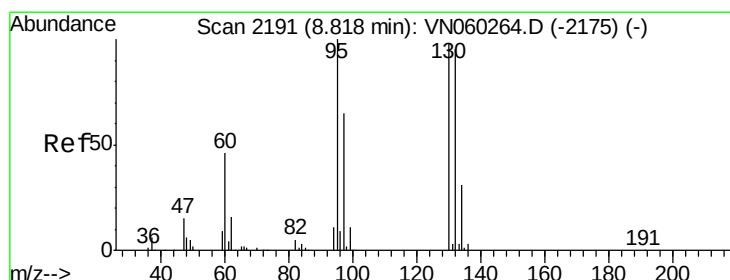
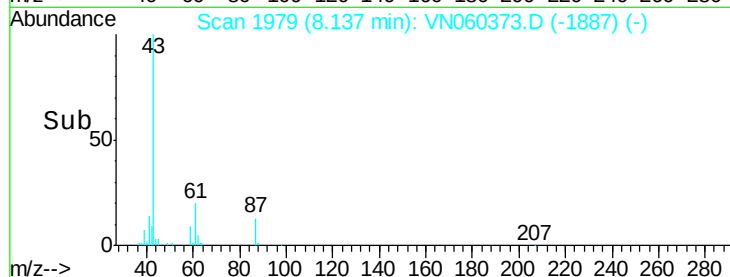
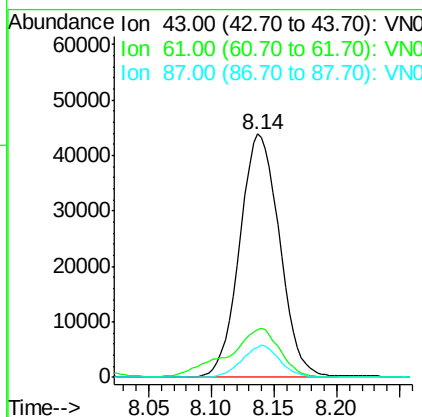
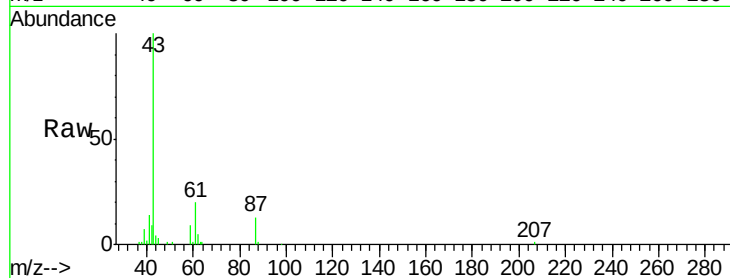
ClientSampleId :

VN0306WBS01

Tot Ion:	43	Resp:	97232
Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.9	31.3
87	12.3	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 17.938 ug/l

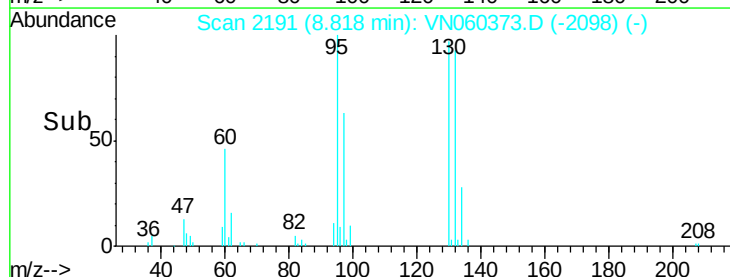
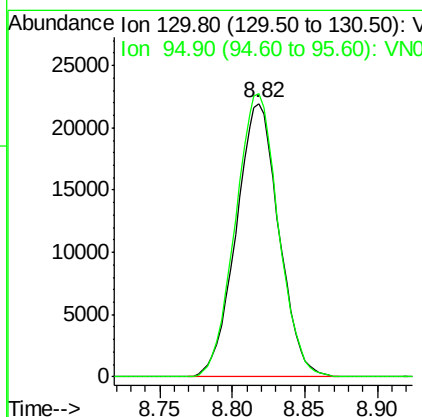
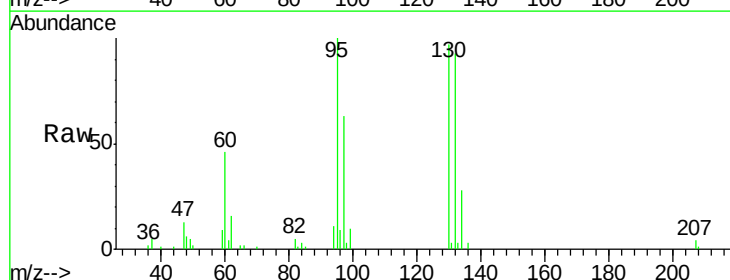
RT: 8.82 min Scan# 2191

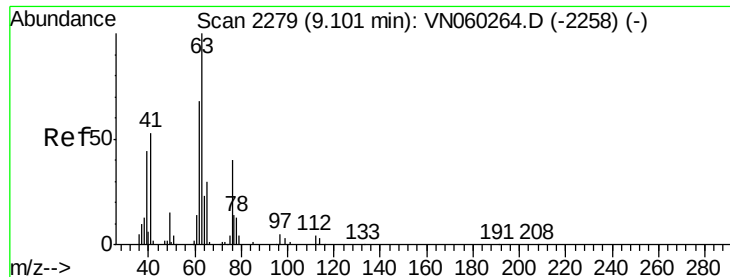
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	130	Resp:	44883
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.306 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

Tot Ion: 63 Resp: 45348

Ion Ratio Lower Upper

63 100

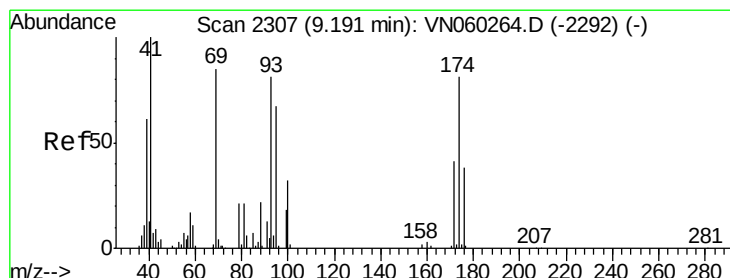
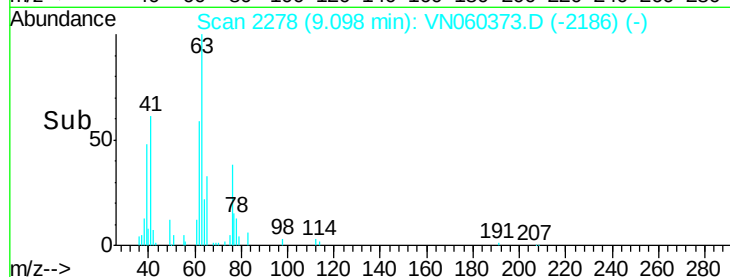
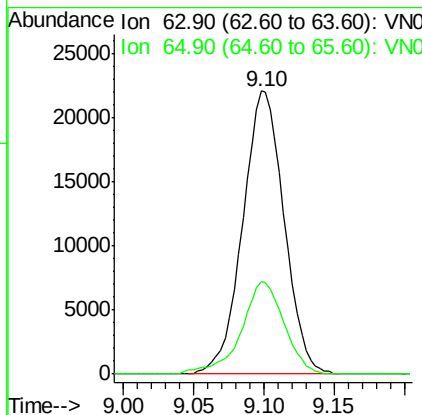
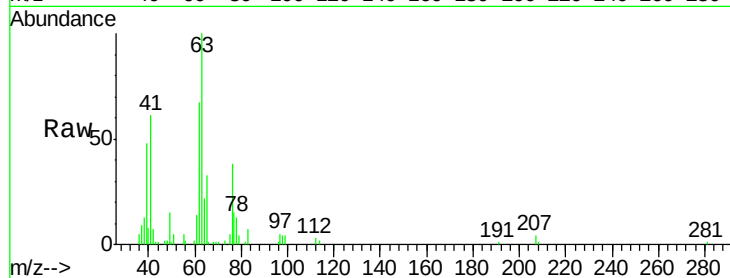
65 32.7 24.4 36.6

Manual Integrations

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MMDadoda

3/9/2020 11:41:27 AM



#46

Dibromomethane

Concen: 18.080 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

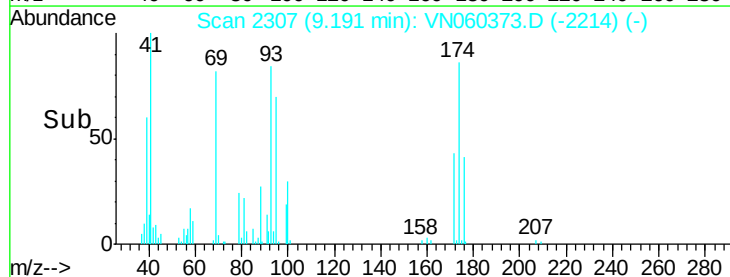
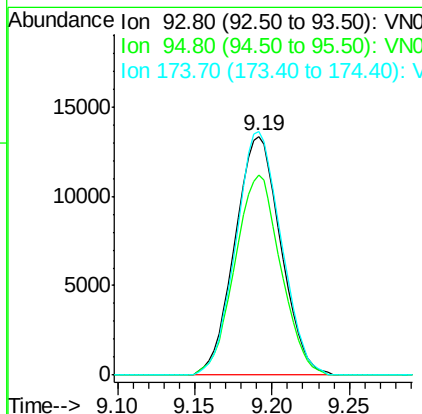
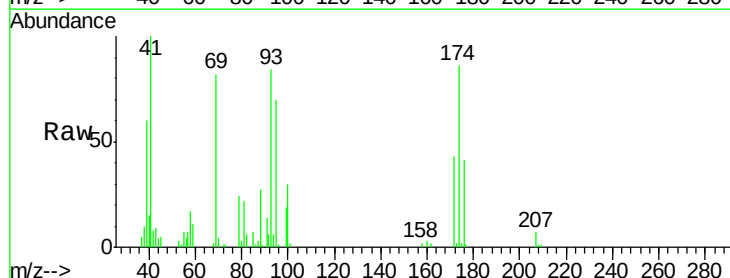
Tgt Ion: 93 Resp: 27556

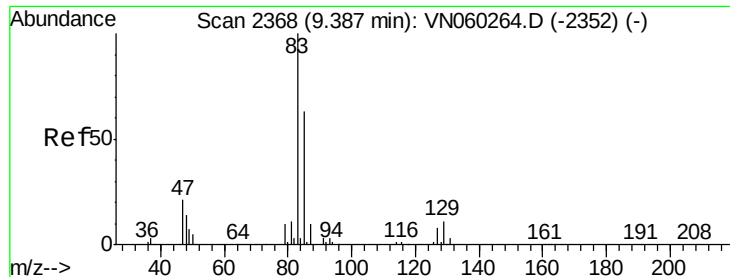
Ion Ratio Lower Upper

93 100

95 83.4 65.9 98.9

174 100.4 79.6 119.4





#47

Bromodichloromethane

Concen: 19.510 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

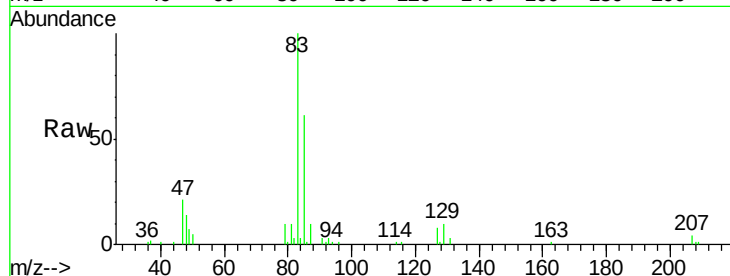
ClientSampled :

VN0306WBS01

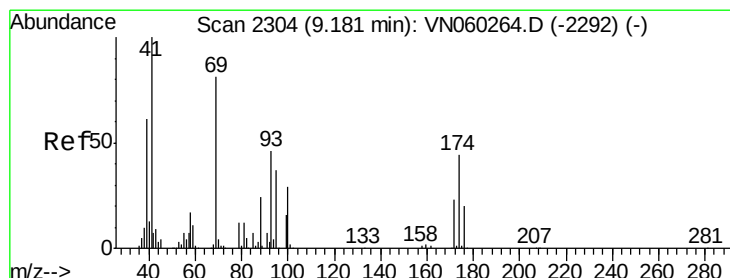
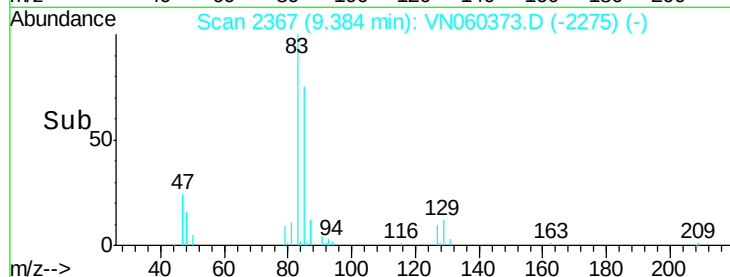
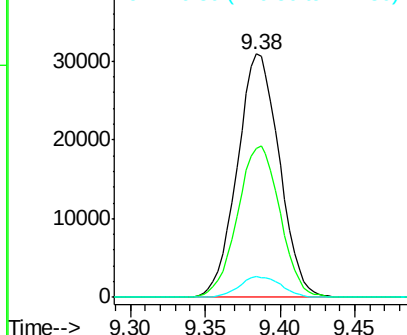
Tot Ion:	83	Resp:	60479
Ion	Ratio	Lower	Upper
83	100		
85	61.1	50.7	76.1
127	8.3	6.8	10.2

Manual Integrations
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MMDadoda
3/9/2020 11:41:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.829 ug/l

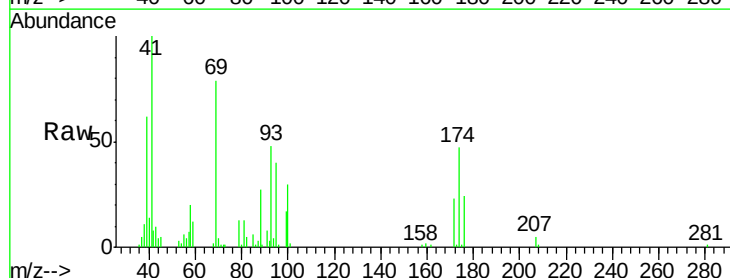
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

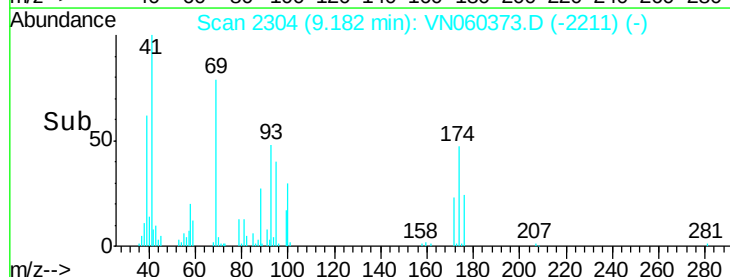
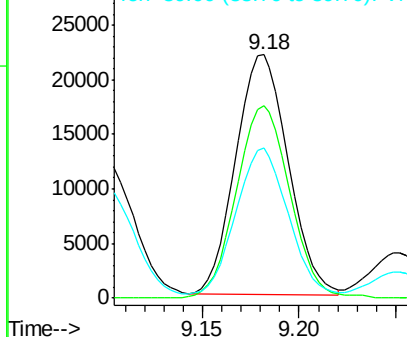
Lab File: VN060373.D

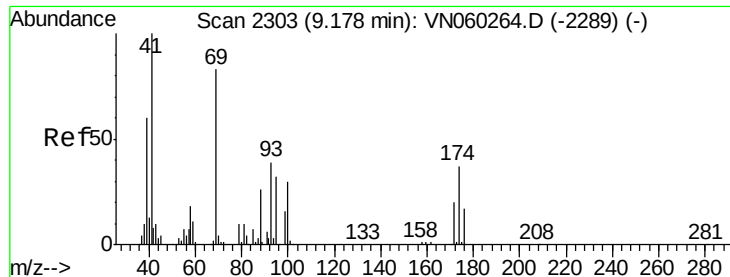
Acq: 6 Mar 2020 12:15

Tgt Ion:	41	Resp:	41600
Ion	Ratio	Lower	Upper
41	100		
69	81.6	66.7	100.1
39	63.6	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





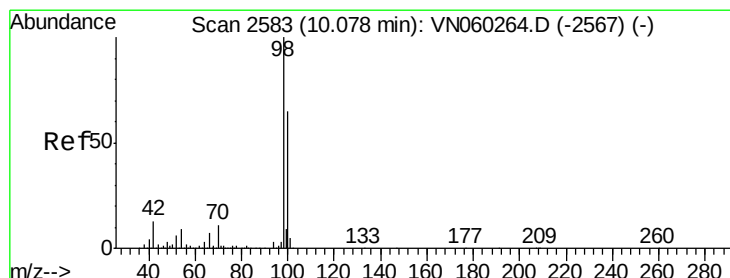
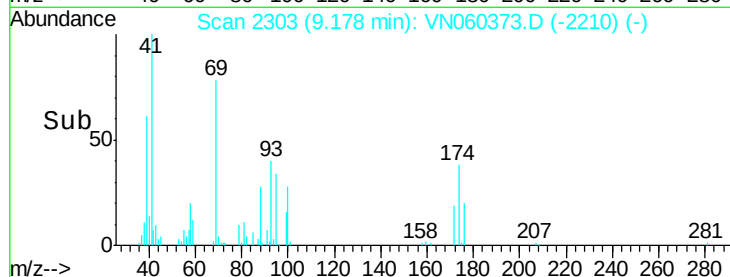
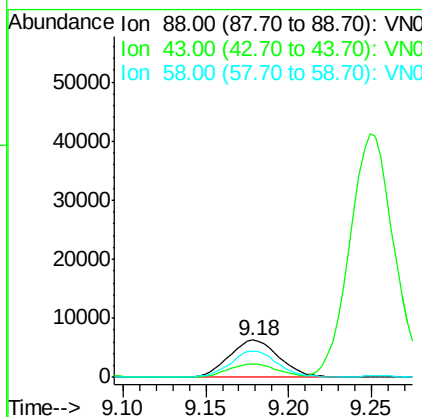
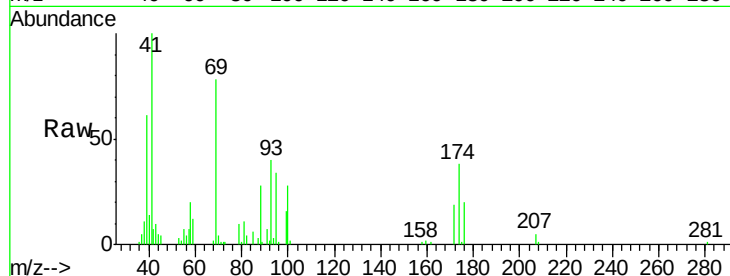
#49
1,4-Dioxane
Concen: 401.612 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

Tot Ion	88	Resp	13178
Ion Ratio	100	Lower	Upper
88	100		
43	35.9	30.4	45.6
58	67.5	57.0	85.6

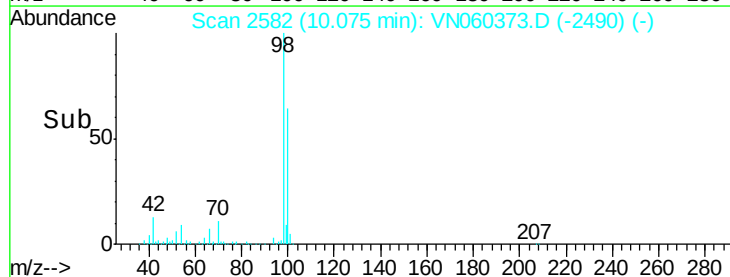
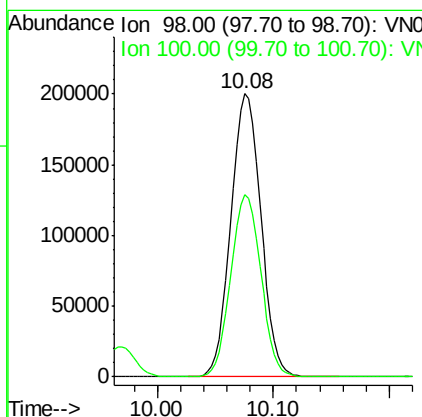
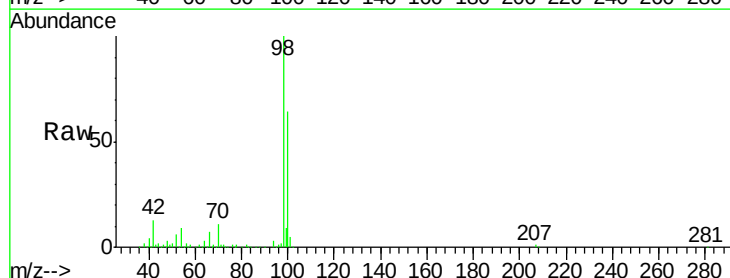
Manual Integrations
APPROVED

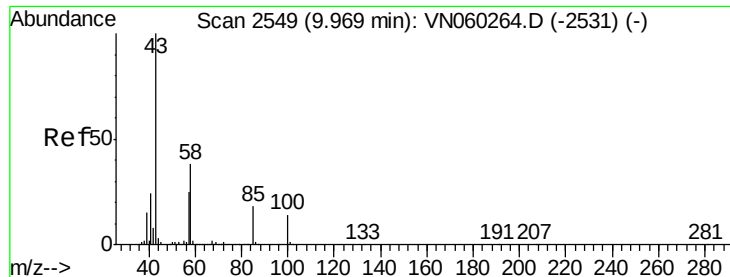
MMDadoda
3/9/2020 11:41:27 AM



#50
Toluene-d8
Concen: 47.191 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	98	Resp	359058
Ion Ratio	100	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 95.961 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

Tot Ion: 43 Resp: 278396

Ion Ratio Lower Upper

43 100

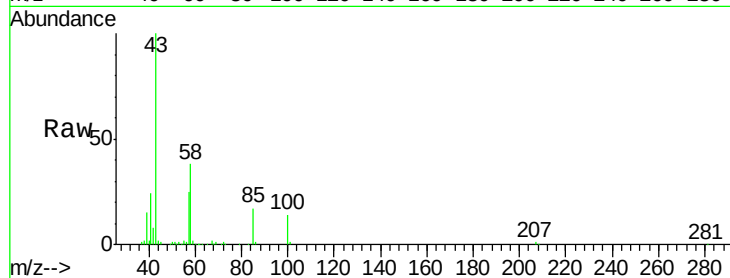
58 38.1 30.9 46.3

Manual Integrations

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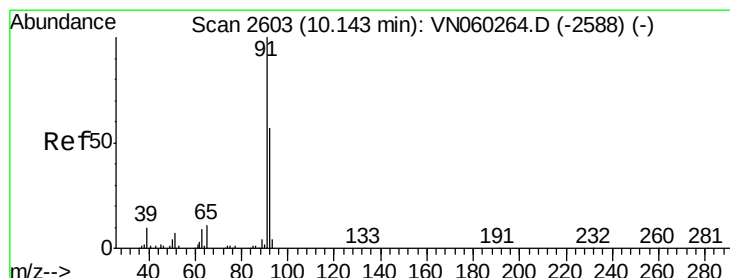
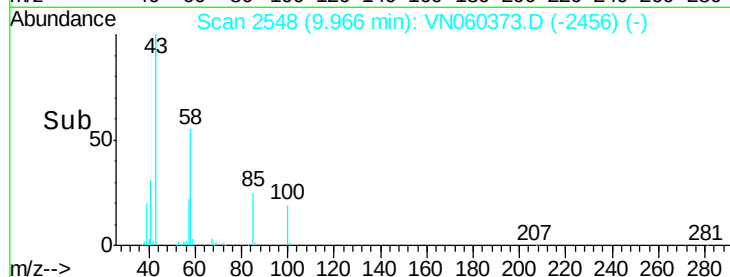
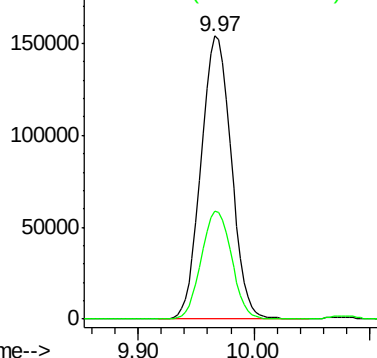
MMDadoda

3/9/2020 11:41:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.182 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060373.D

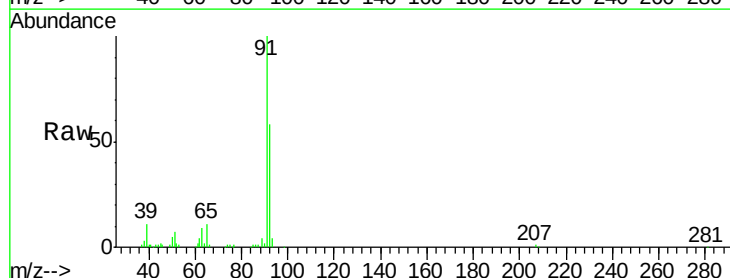
Acq: 6 Mar 2020 12:15

Tgt Ion: 92 Resp: 102612

Ion Ratio Lower Upper

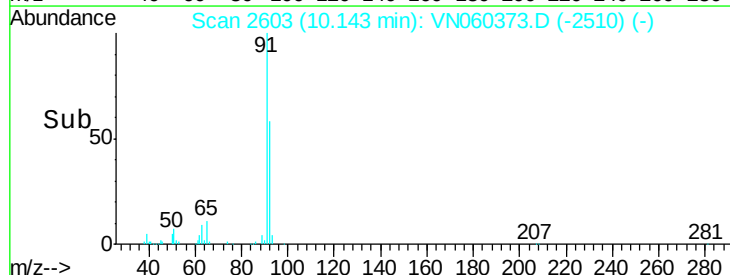
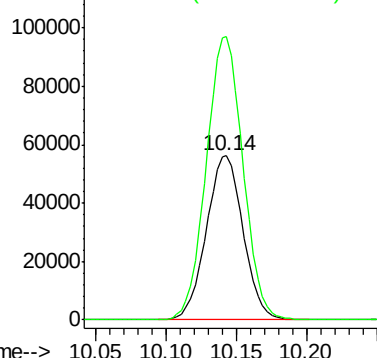
92 100

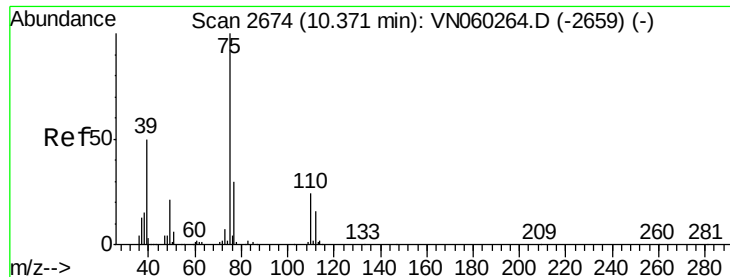
91 172.5 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





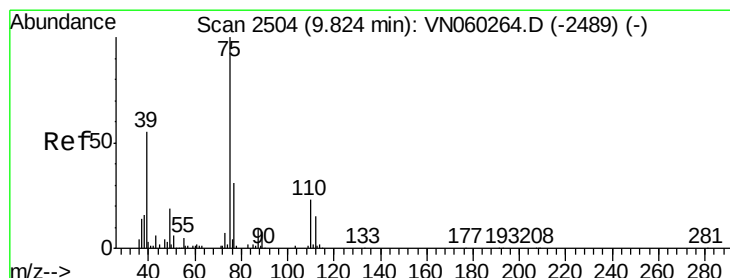
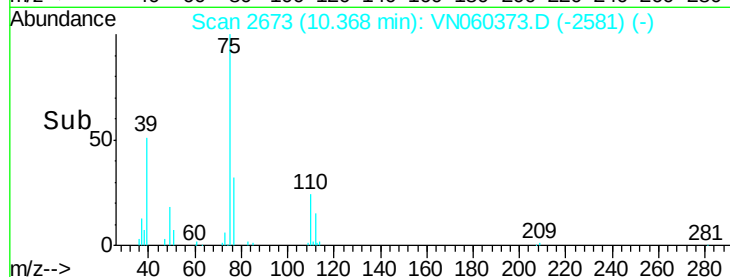
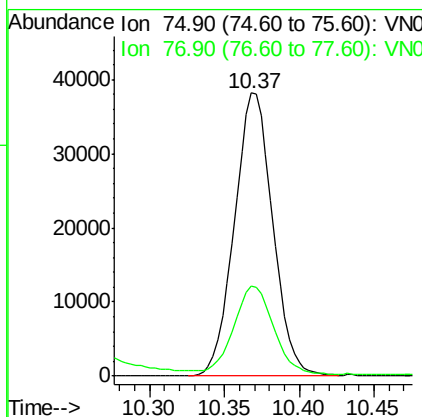
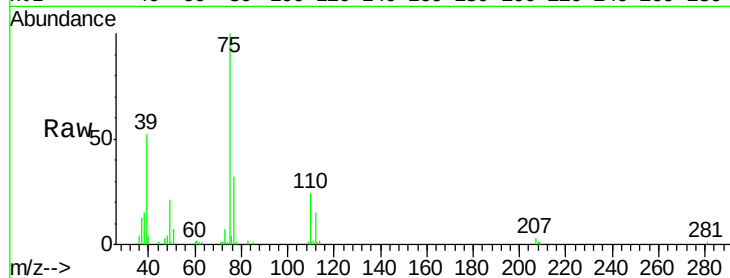
#53
t-1,3-Dichloropropene
Concen: 17.979 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

Tot Ion: 75 Resp: 68290
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

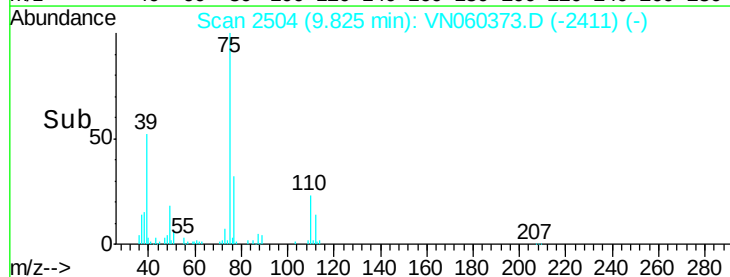
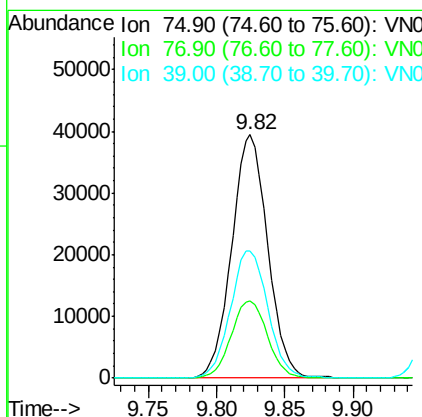
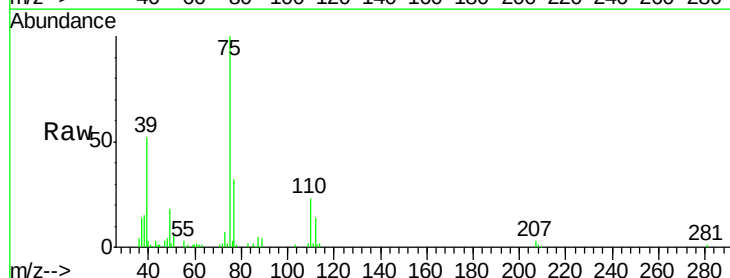
Manual Integrations
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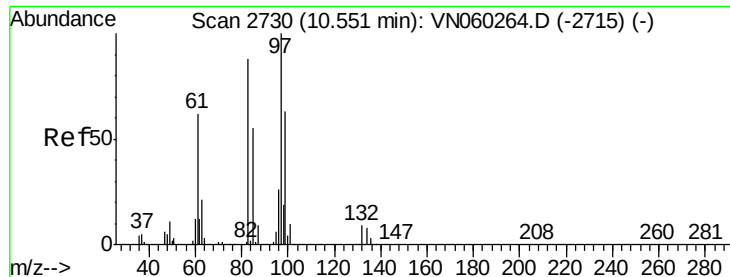
MMDadoda
3/9/2020 11:41:27 AM



#54
cis-1,3-Dichloropropene
Concen: 18.383 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 75 Resp: 72353
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 52.2 43.8 65.8





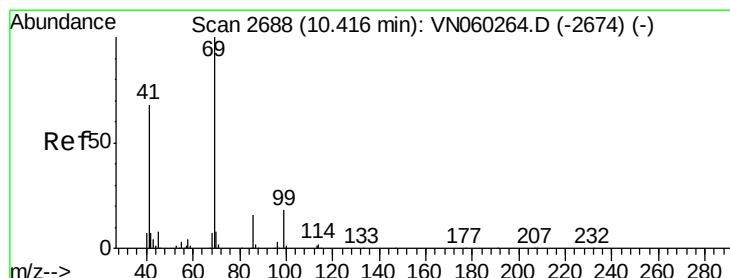
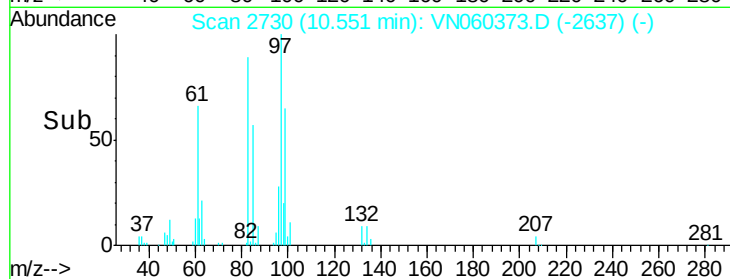
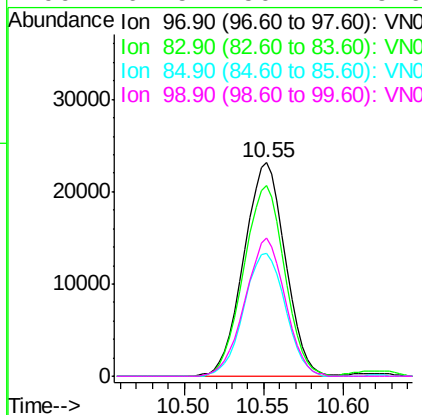
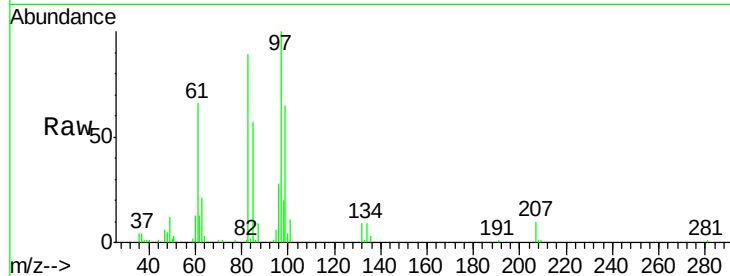
#55
 1,1,2-Trichloroethane
 Concen: 18.122 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.0	105.0
85	57.5	44.0	66.0
99	64.5	50.4	75.6

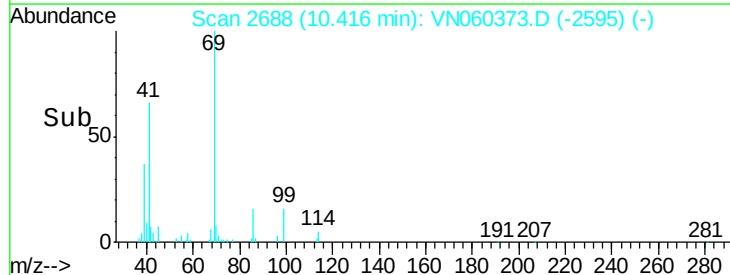
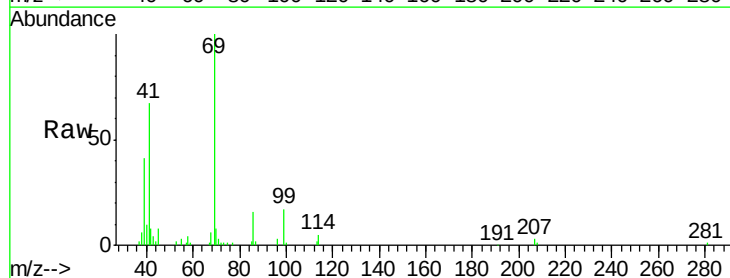
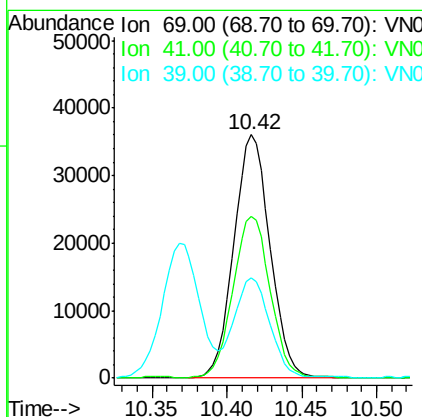
Manual Integrations
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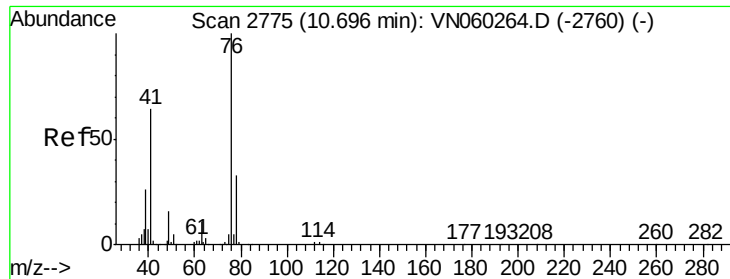
MMDadoda
 3/9/2020 11:41:27 AM



#56
 Ethyl methacrylate
 Concen: 18.588 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.1	81.1
39	41.8	32.5	48.7





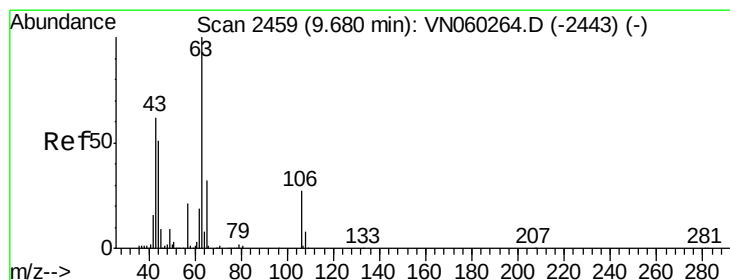
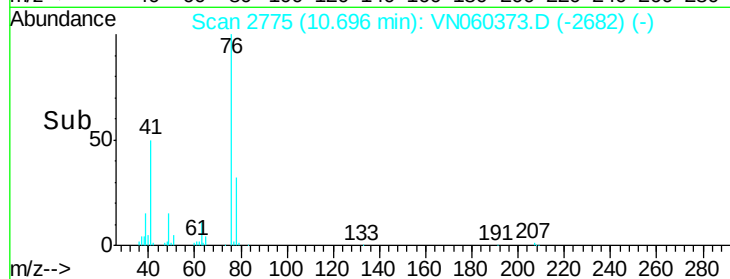
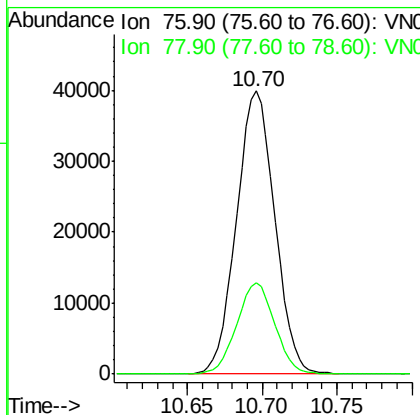
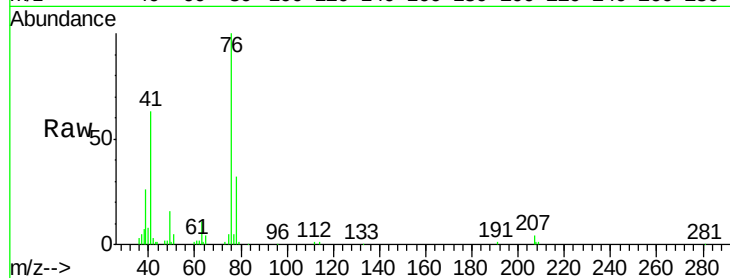
#57
 1,3-Dichloropropane
 Concen: 19.244 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.2

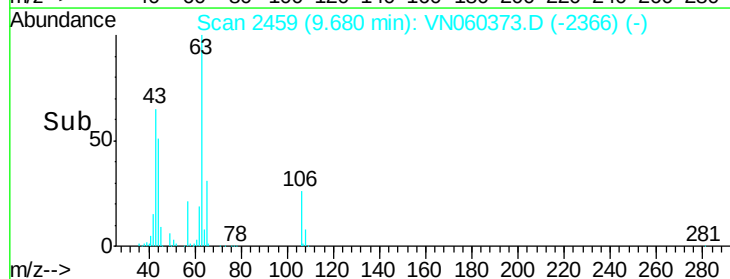
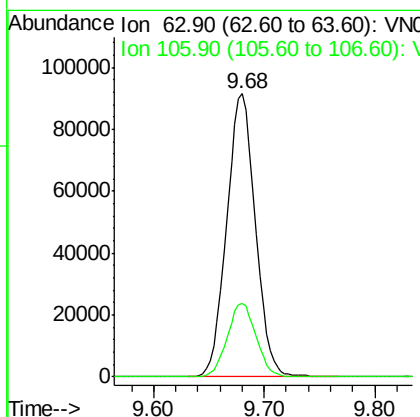
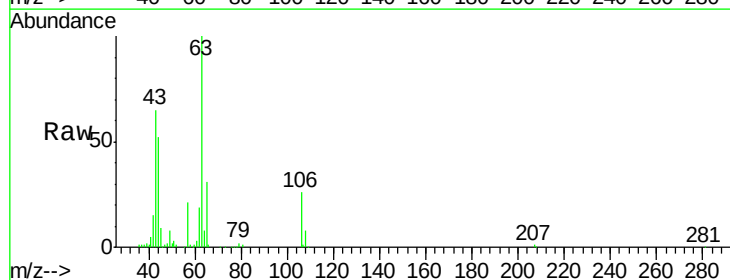
Manual Integrations
 APPROVED

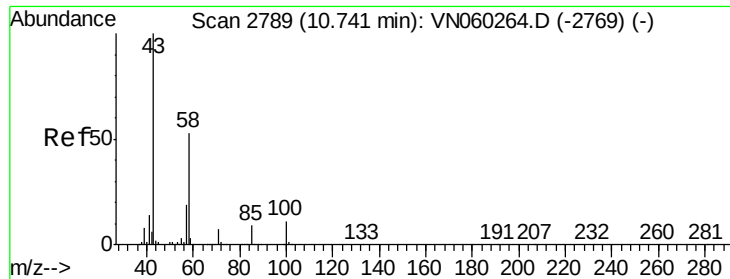
MMDadoda
 3/9/2020 11:41:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.820 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.1	31.7





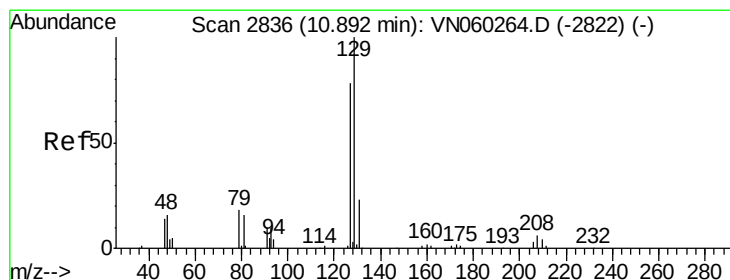
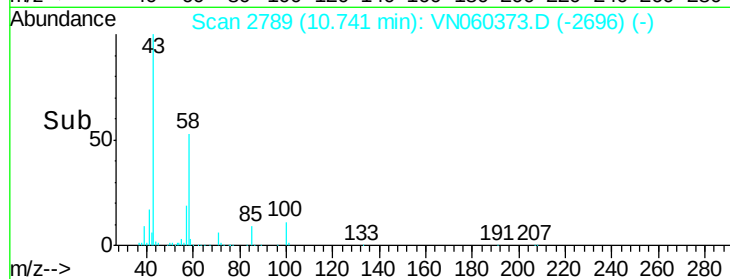
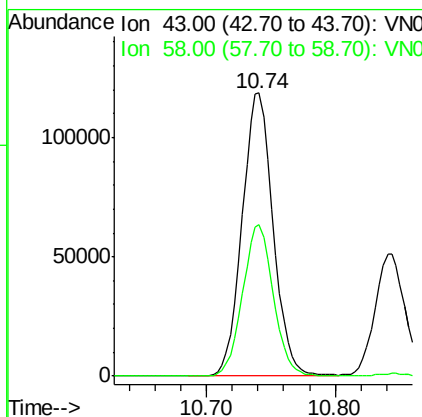
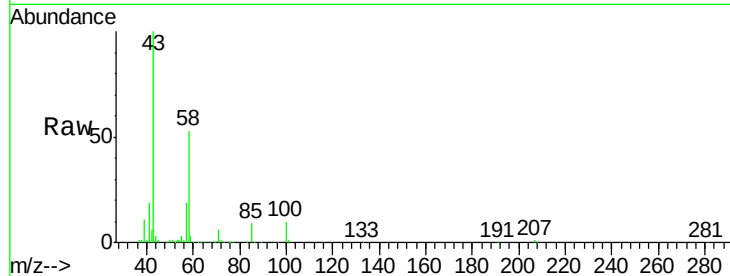
#59
2-Hexanone
Concen: 93.181 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

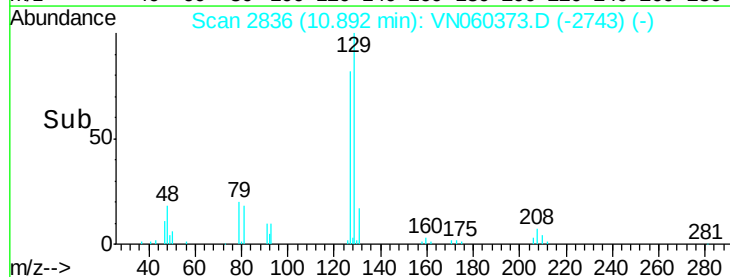
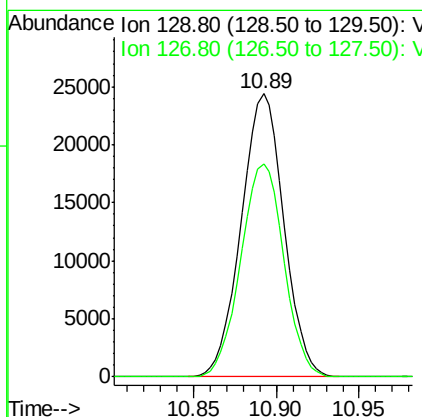
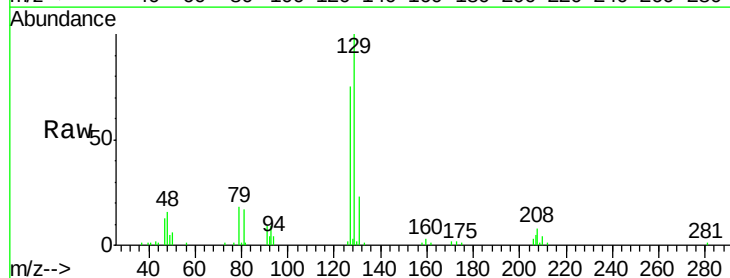
Manual Integrations
APPROVED

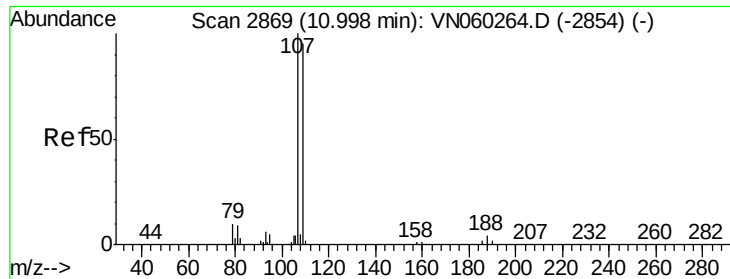
MMDadoda
3/9/2020 11:41:27 AM



#60
Dibromochloromethane
Concen: 18.962 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.9	116.7





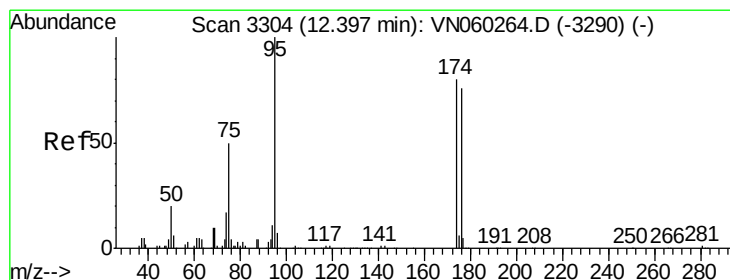
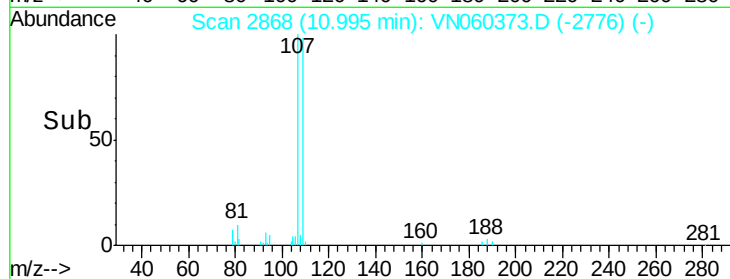
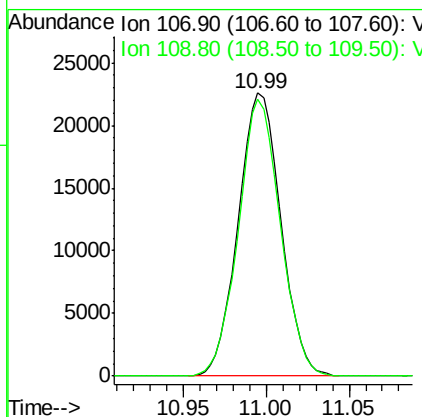
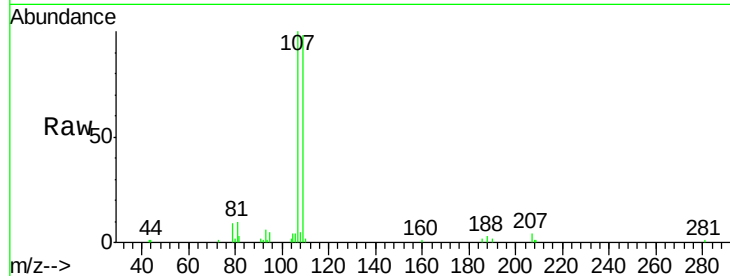
#61
 1,2-Dibromoethane
 Concen: 18.271 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.8	115.2

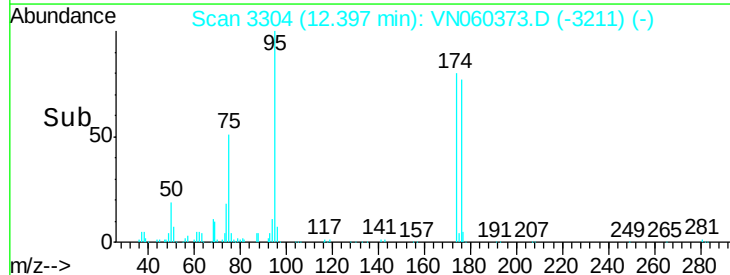
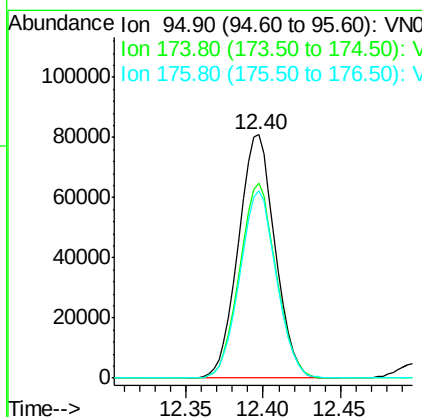
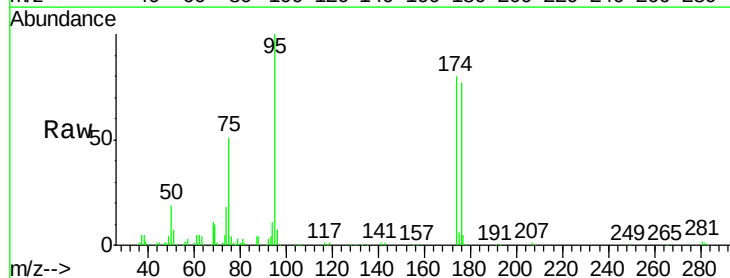
Manual Integrations
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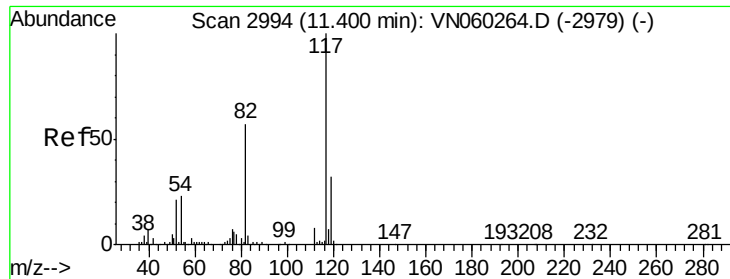
MMDadoda
 3/9/2020 11:41:27 AM



#62
 4-Bromofluorobenzene
 Concen: 46.251 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.0	0.0	159.2
176	76.7	0.0	153.8





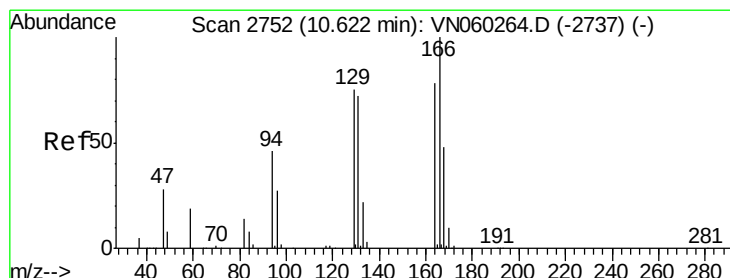
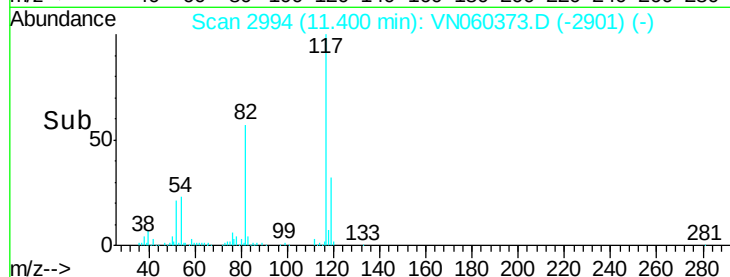
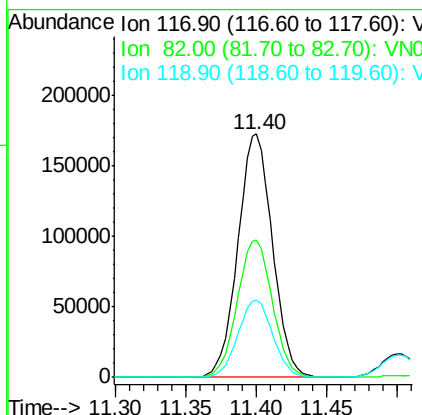
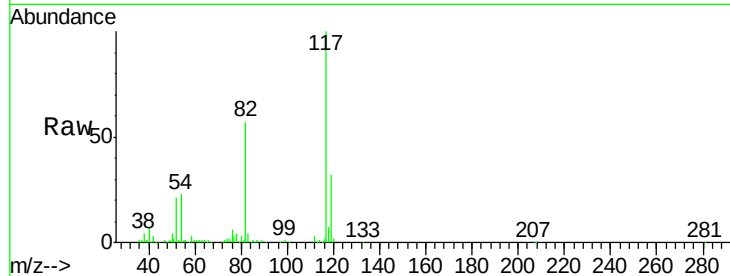
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.8	68.6
119	31.9	25.8	38.8

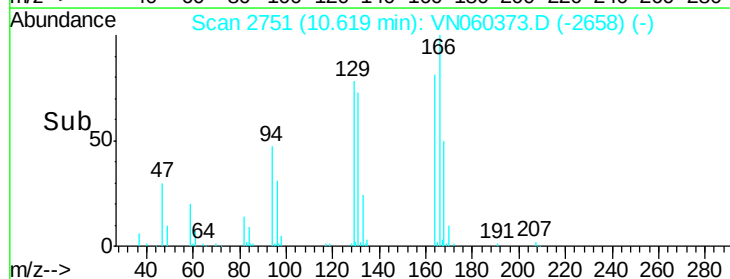
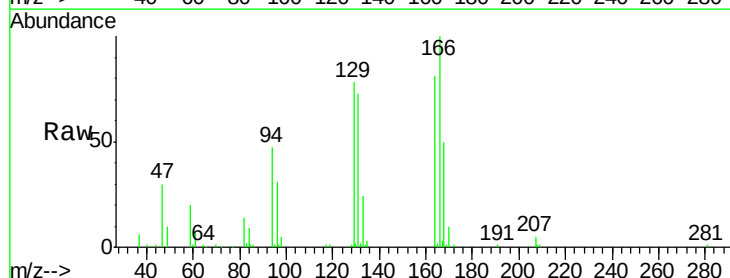
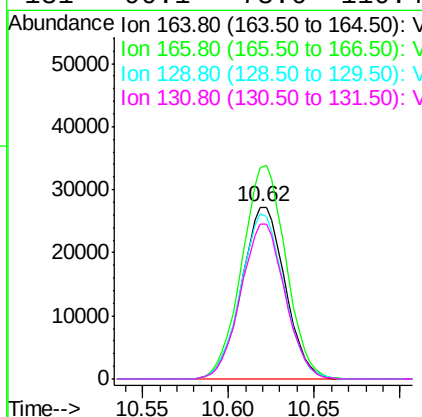
Manual Integrations
APPROVED

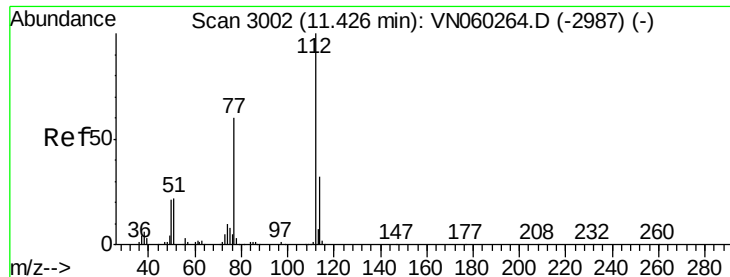
MMDadoda
3/9/2020 11:41:27 AM



#64
Tetrachloroethene
Concen: 19.544 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	102.0	153.0
129	95.9	76.4	114.6
131	90.1	73.6	110.4





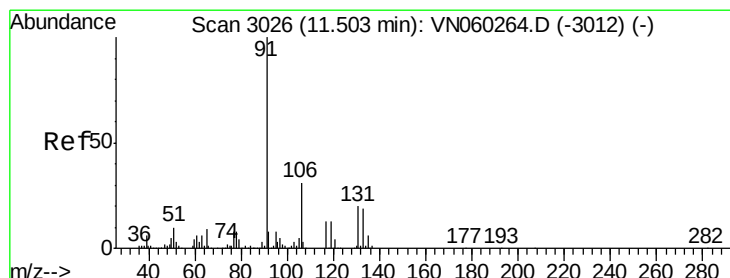
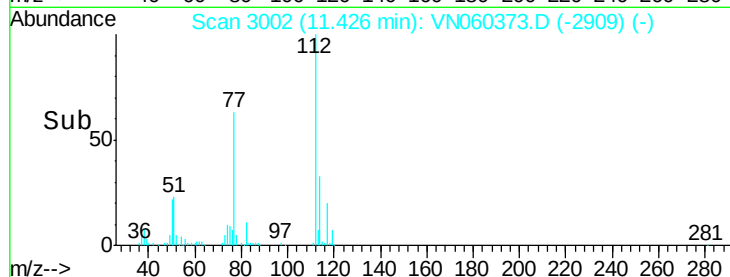
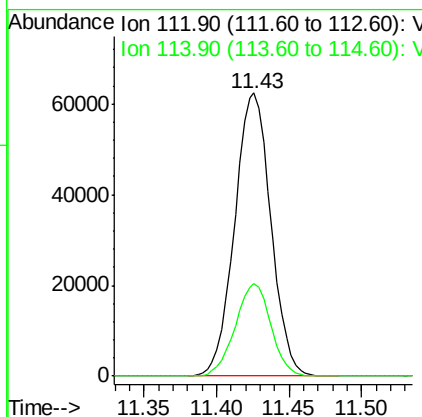
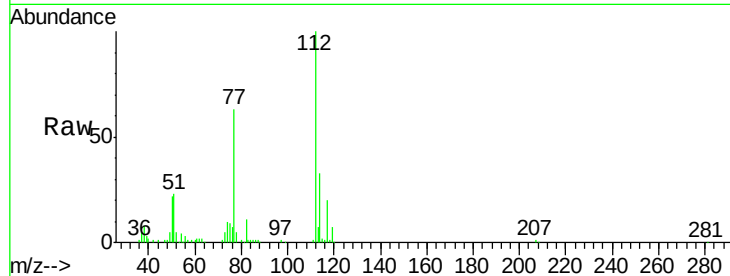
#65
Chlorobenzene
Concen: 18.020 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

Tot Ion:112 Resp: 108072
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0

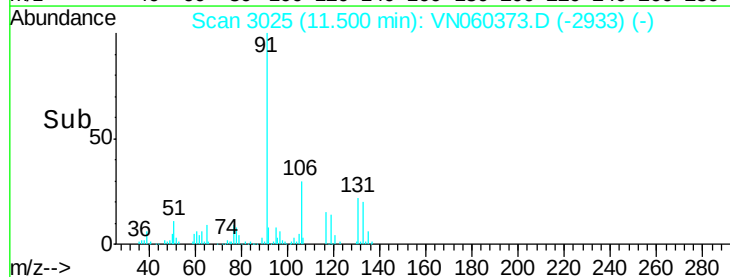
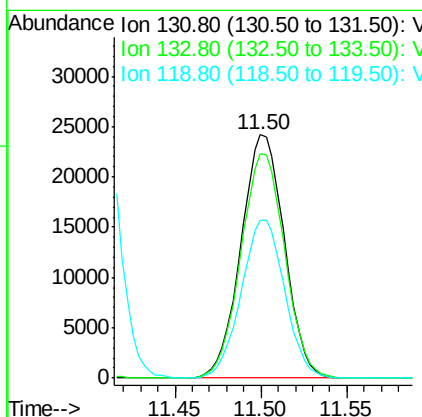
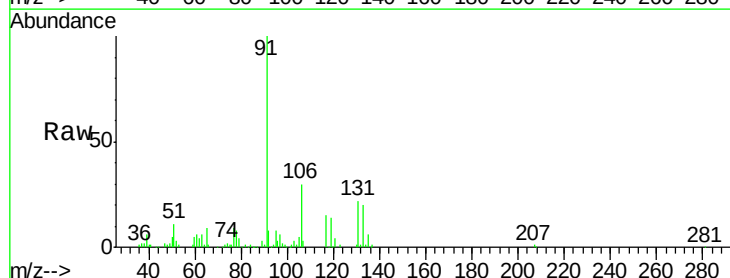
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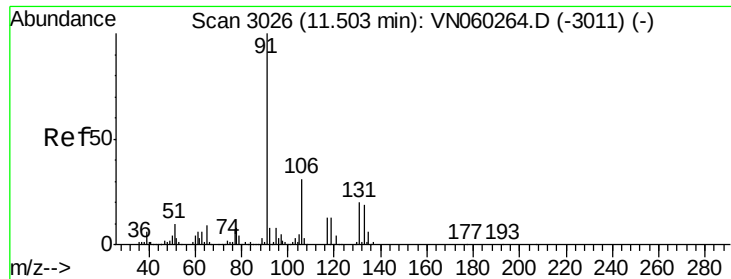
MMDadoda
3/9/2020 11:41:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.060 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion:131 Resp: 42265
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 65.0 33.2 99.6





#67

Ethyl Benzene

Concen: 18.198 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

Tot Ion: 91 Resp: 198754

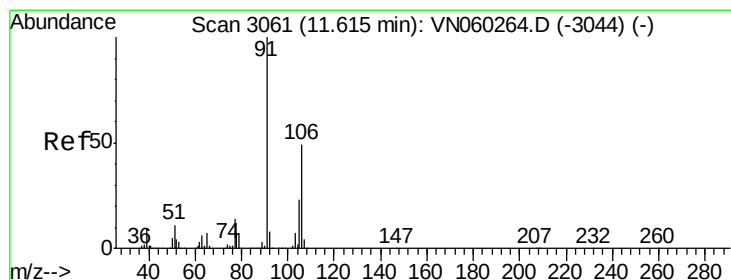
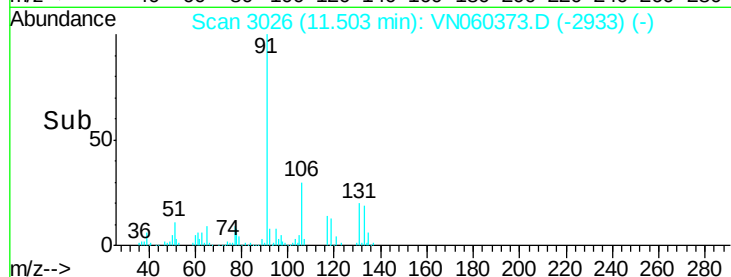
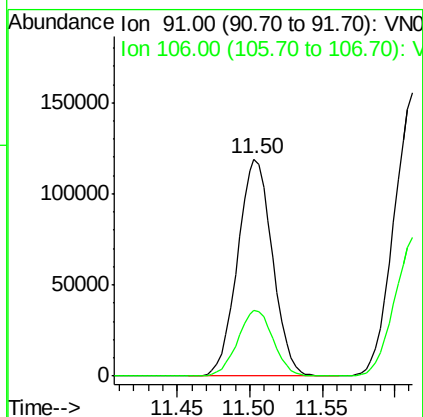
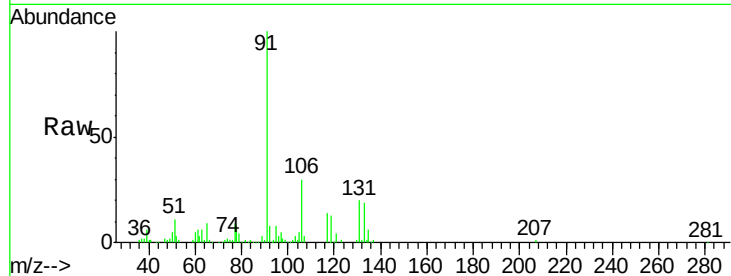
Ion Ratio Lower Upper

91 100

106 30.2 24.7 37.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 35.698 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060373.D

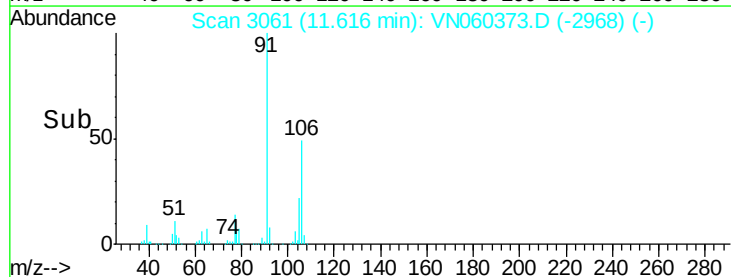
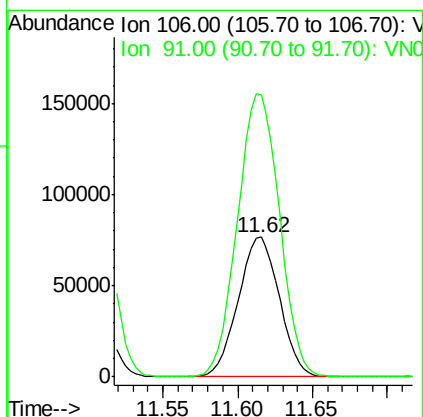
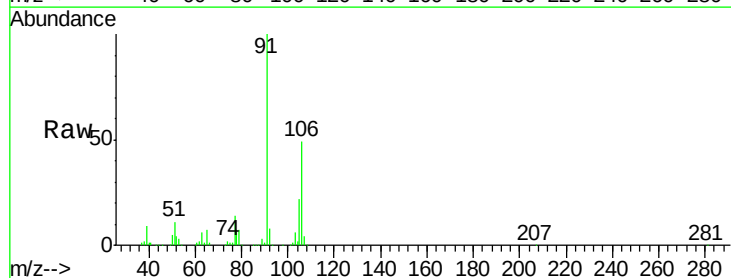
Acq: 6 Mar 2020 12:15

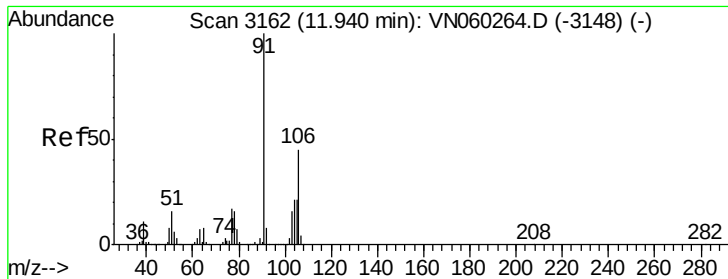
Tgt Ion: 106 Resp: 147097

Ion Ratio Lower Upper

106 100

91 206.6 164.5 246.7





#69

o-Xylene

Concen: 18.318 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

Tot Ion:106 Resp: 71979

Ion Ratio Lower Upper

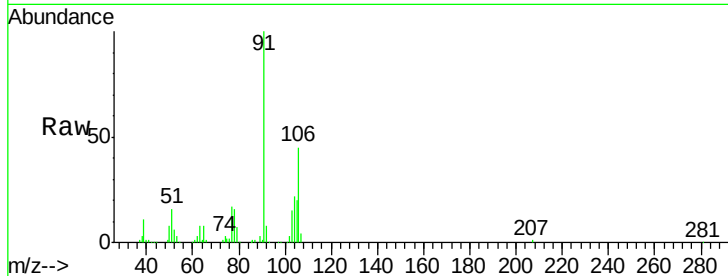
106 100

91 219.1 109.5 328.4

Manual Integrations
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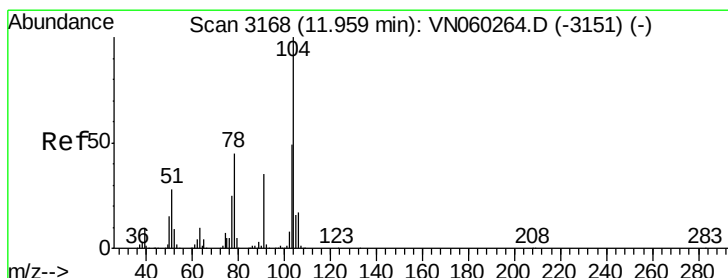
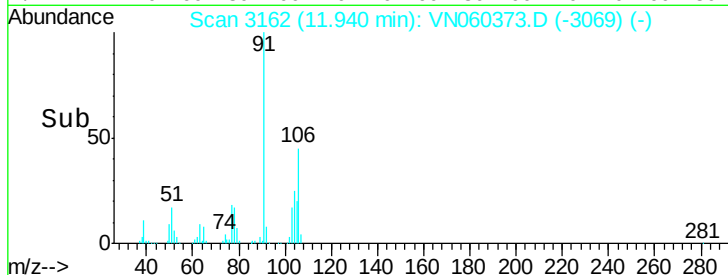
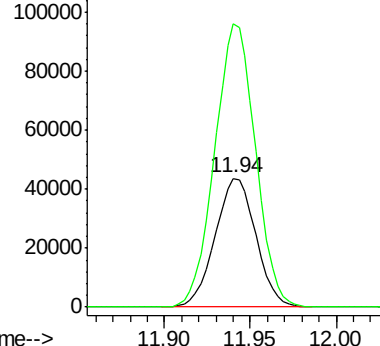
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 17.638 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

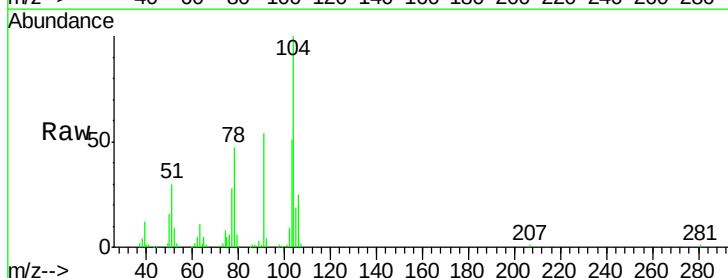
Tgt Ion:104 Resp: 113950

Ion Ratio Lower Upper

104 100

78 52.2 41.2 61.8

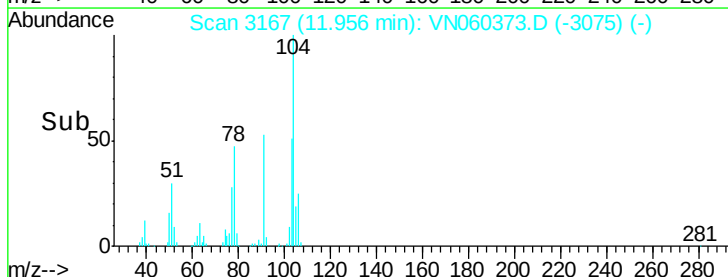
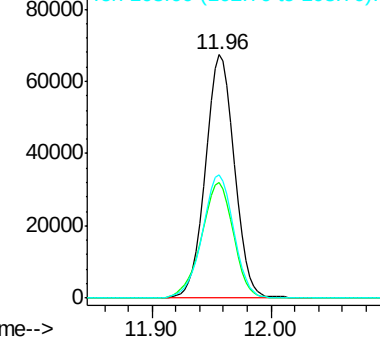
103 54.8 43.9 65.9

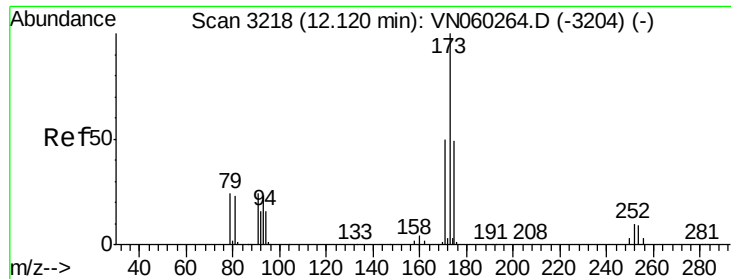


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.221 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

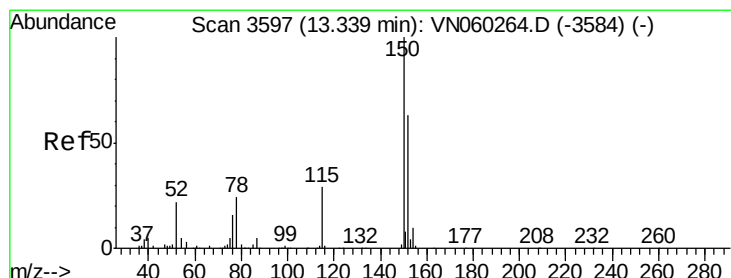
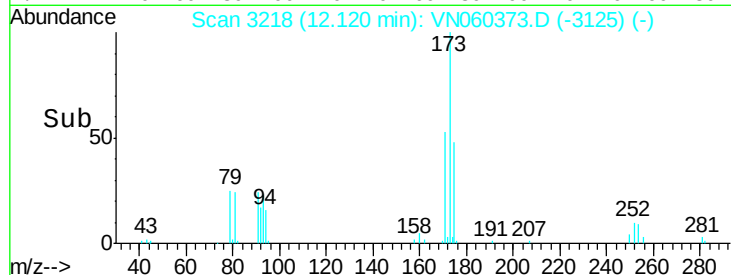
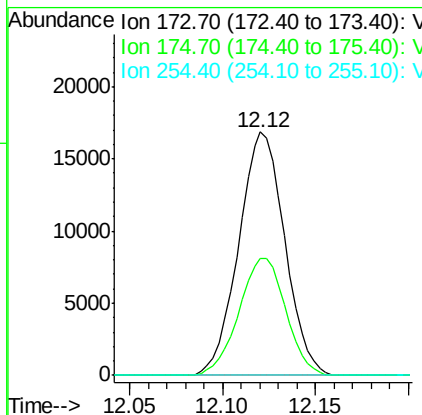
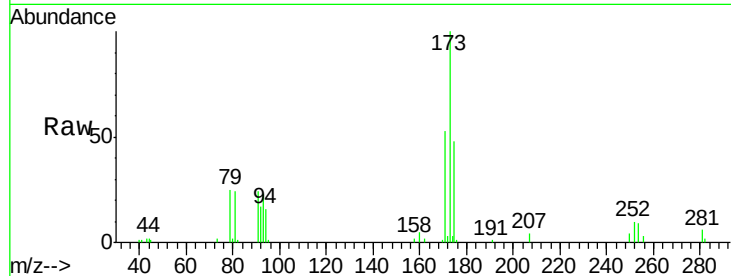
ClientSampled :

VN0306WBS01

Tot Ion:	173	Resp:	29120
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

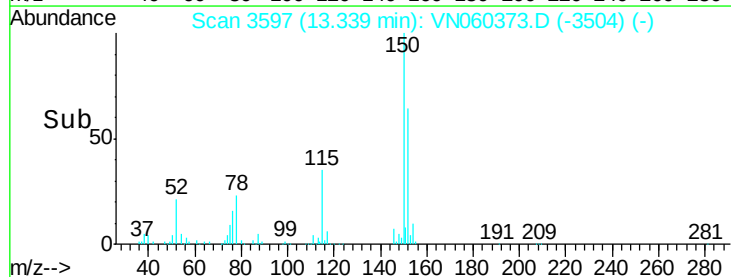
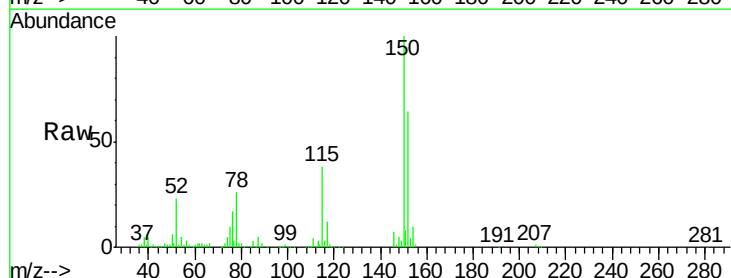
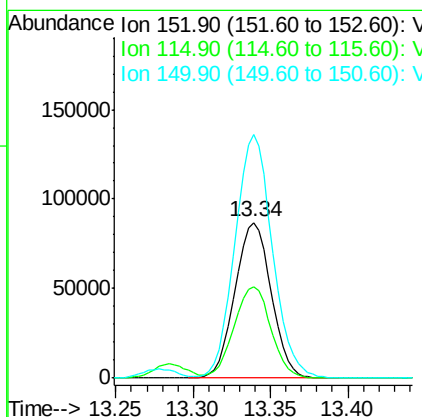
RT: 13.34 min Scan# 3597

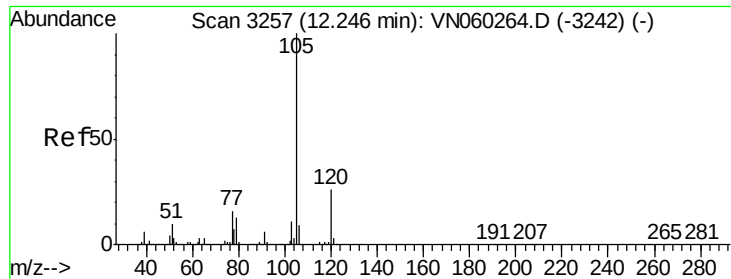
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	152	Resp:	141731
Ion Ratio	Lower	Upper	
152	100		
115	59.4	30.0	90.0
150	161.6	0.0	349.6





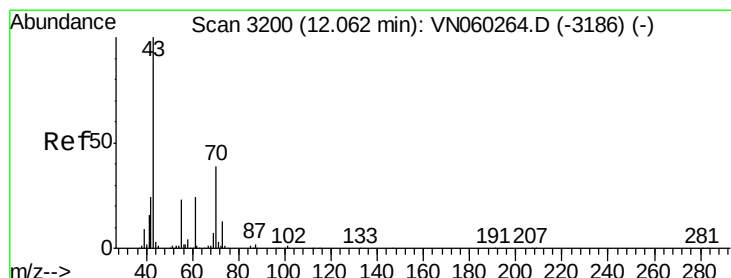
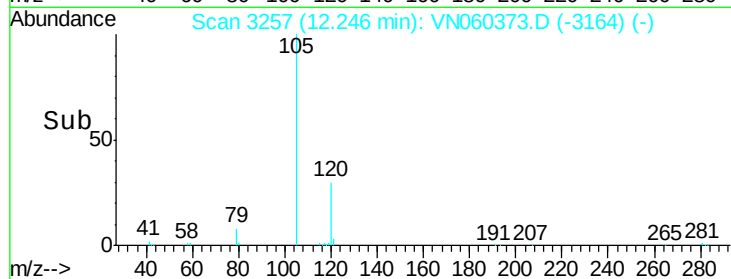
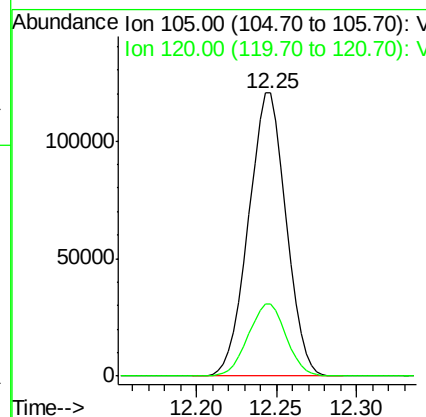
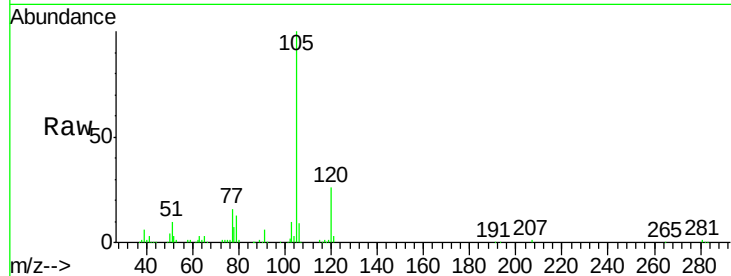
#73
Isopropylbenzene
Concen: 18.467 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	193997		
120	25.6	13.0	38.9	

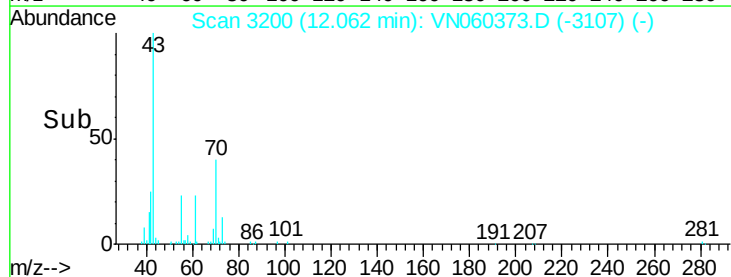
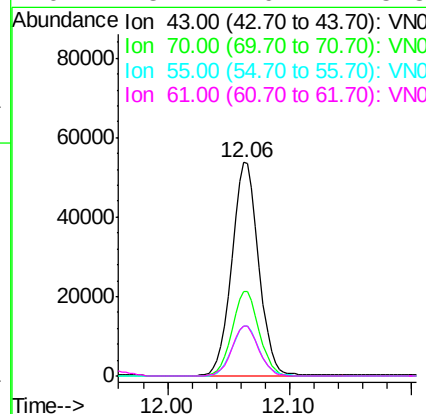
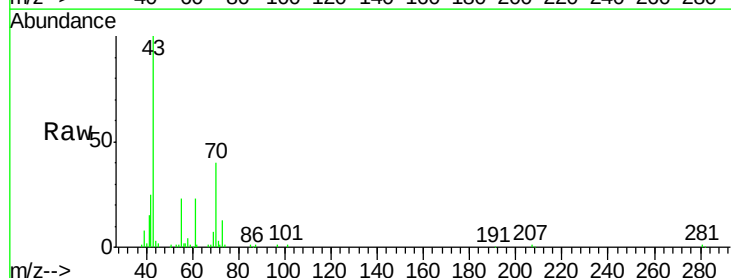
Manual Integrations
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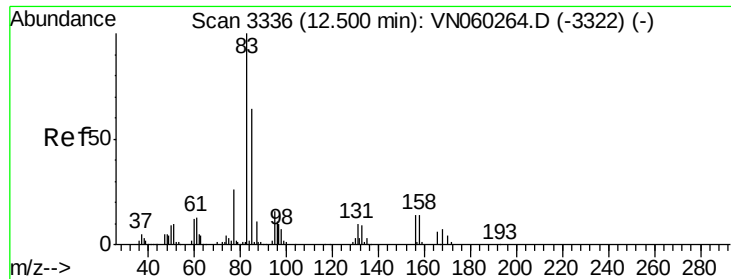
MMDadoda
3/9/2020 11:41:27 AM



#74
N-ethyl acetate
Concen: 18.184 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	83470		
70	39.3	32.2	48.2	
55	23.4	18.2	27.4	
61	23.1	19.2	28.8	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.057 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

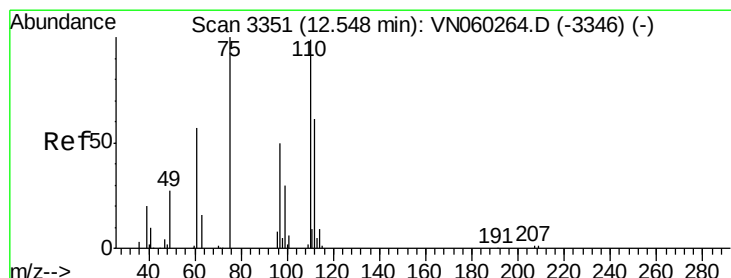
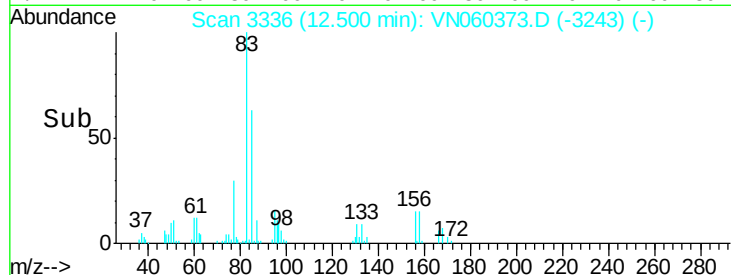
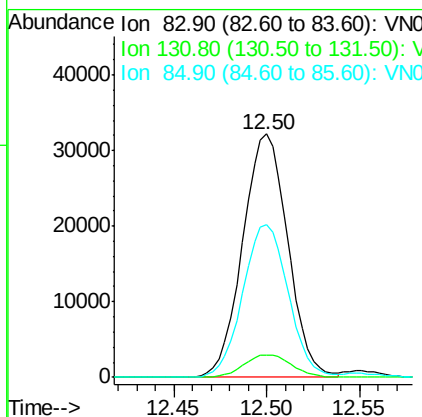
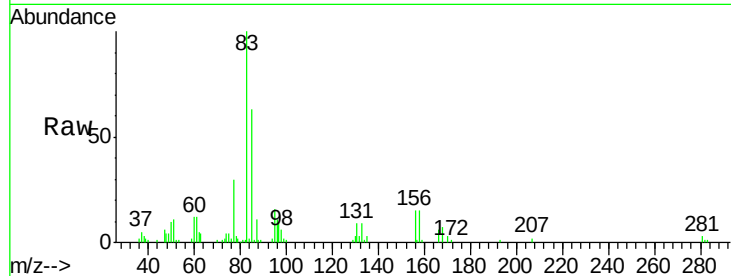
ClientSampled :

VN0306WBS01

Tot Ion:	83	Resp:	54418
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.3
85	63.2	32.3	96.8

Manual Integrations
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3/9/2020 11:41:27 AM



#76

1,2,3-Trichloropropane

Concen: 15.649 ug/l m

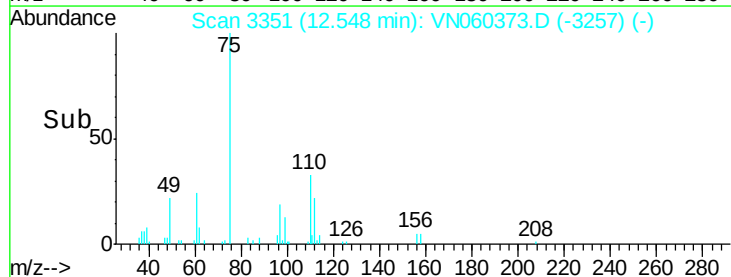
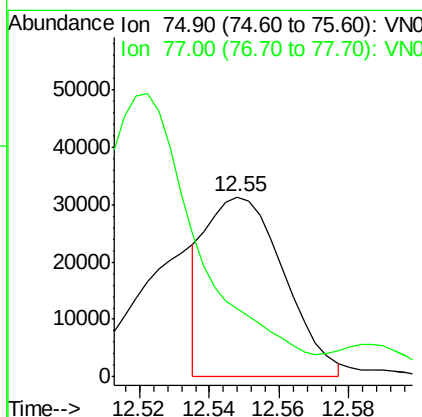
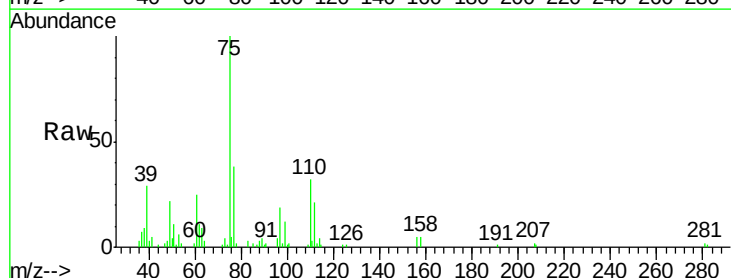
RT: 12.55 min Scan# 3351

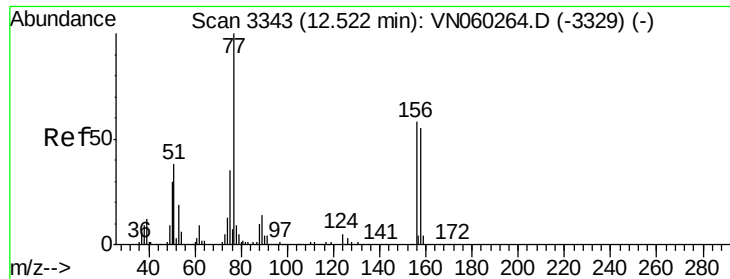
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	75	Resp:	48662
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.052 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

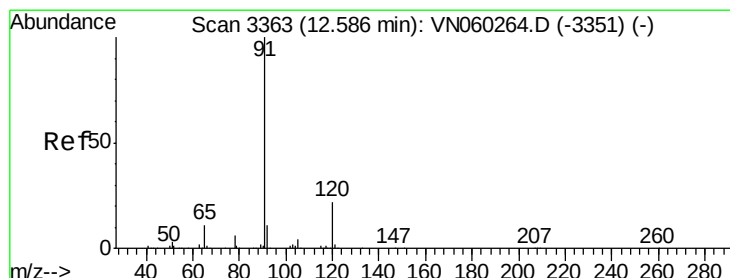
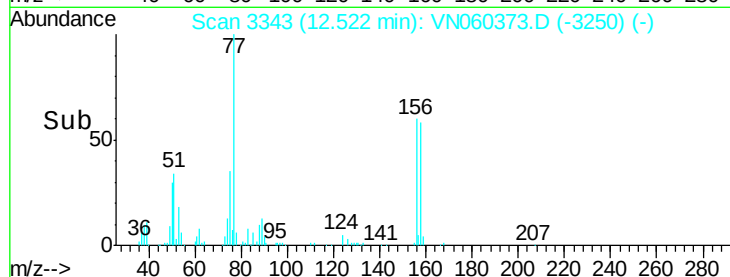
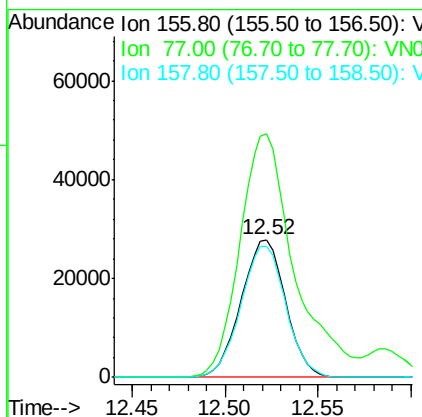
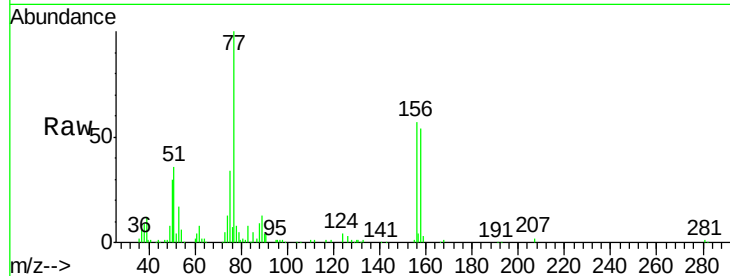
ClientSampleId :

VN0306WBS01

Tot Ion:	156	Resp:	46485
Ion Ratio	Lower	Upper	
156	100		
77	217.2	106.1	318.3
158	96.6	48.3	144.8

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#78

n-propylbenzene

Concen: 18.167 ug/l

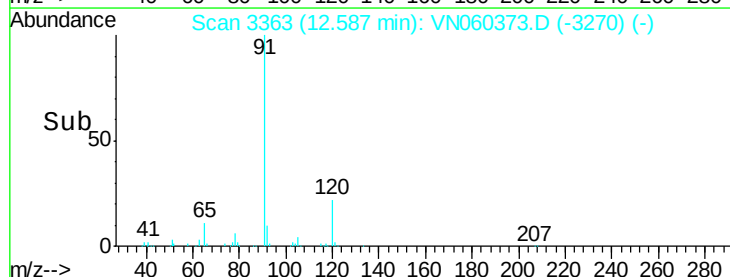
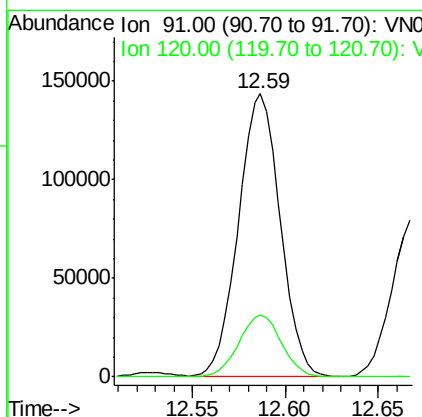
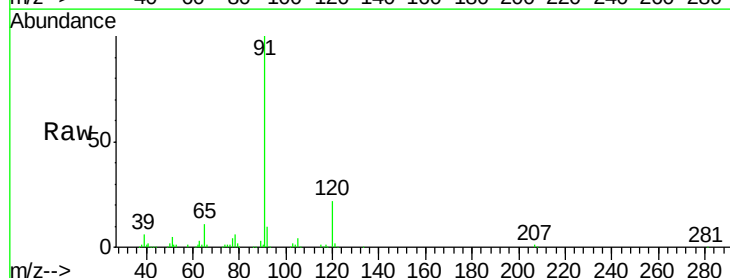
RT: 12.59 min Scan# 3363

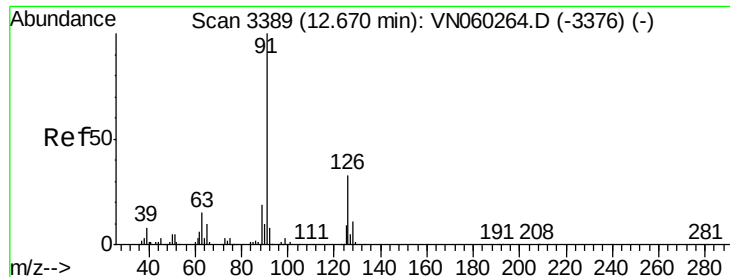
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	91	Resp:	223707
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9





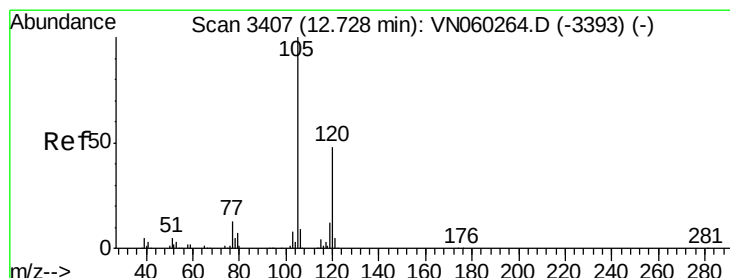
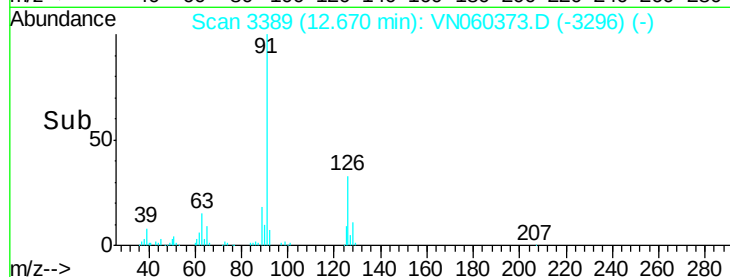
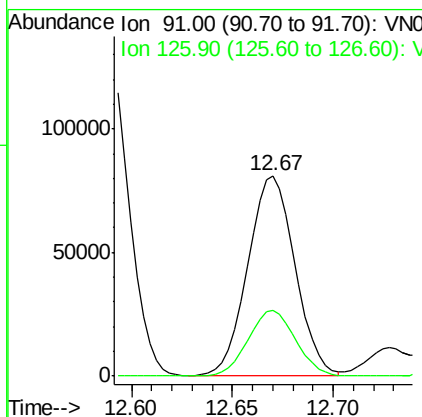
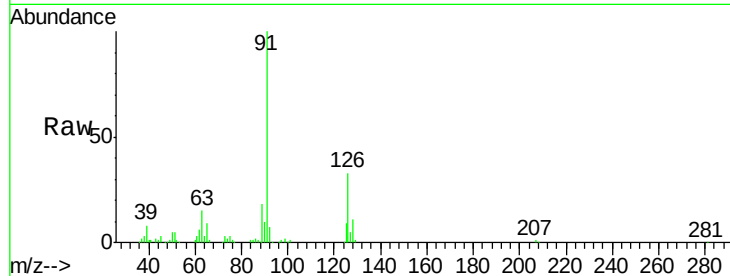
#79
2-Chlorotoluene
Concen: 18.275 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.8

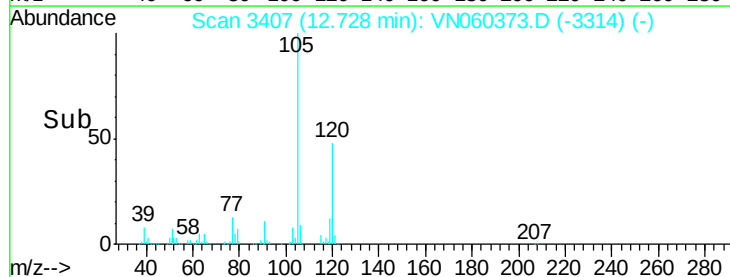
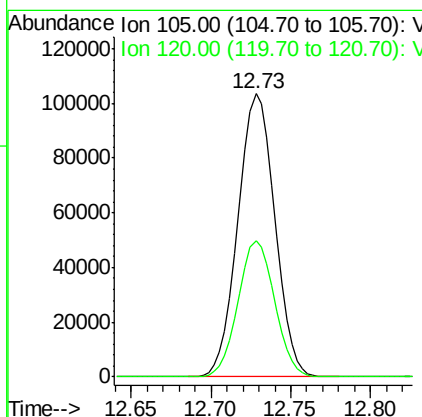
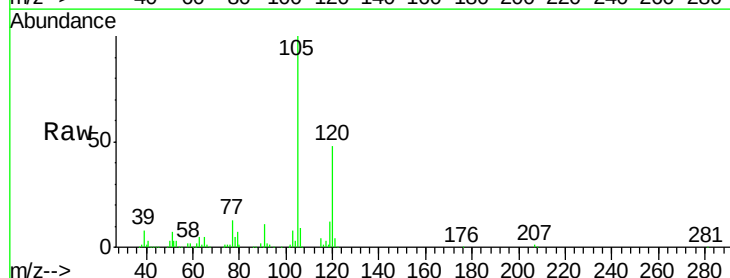
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APPROVED

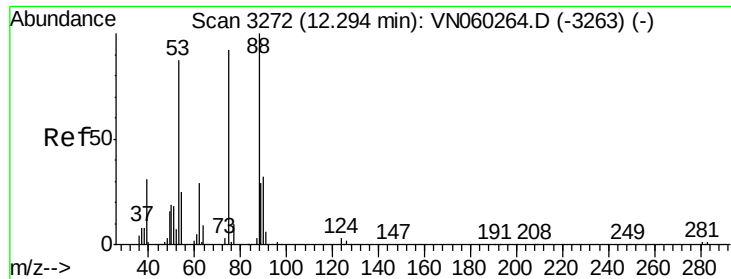
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#80
1,3,5-Trimethylbenzene
Concen: 18.359 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.4





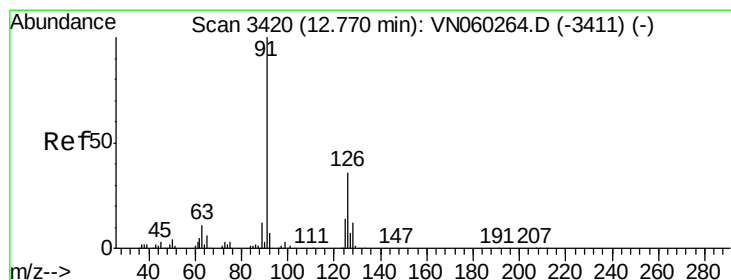
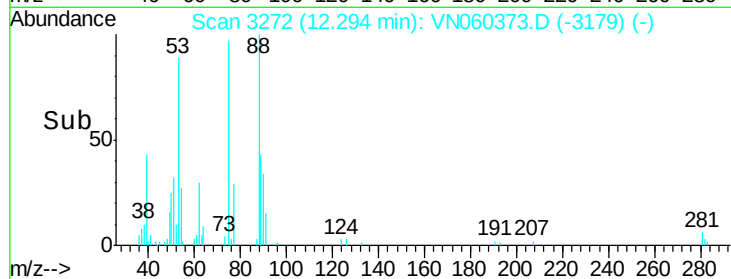
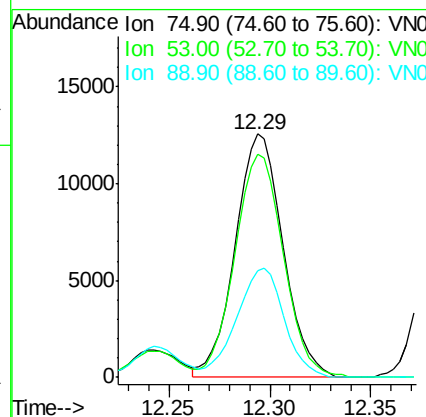
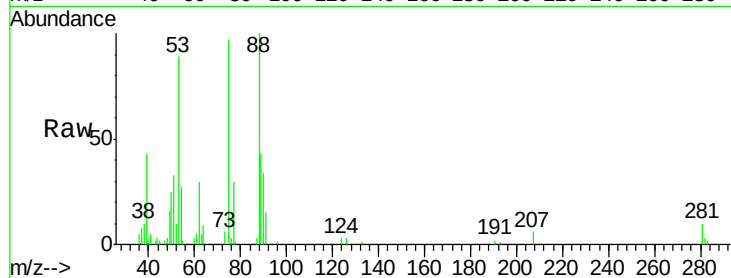
#81
trans-1,4-Dichloro-2-butene
Concen: 18.546 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	73.8	110.6
89	44.6	57.1	85.7#

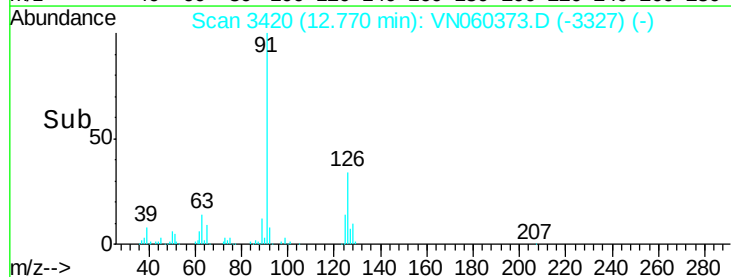
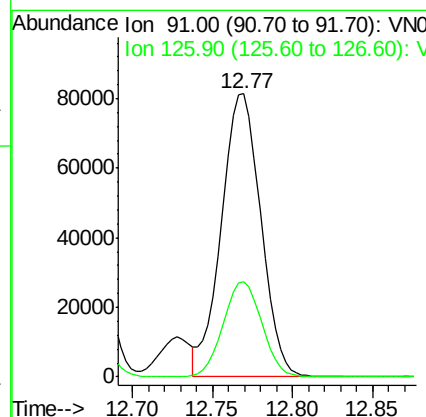
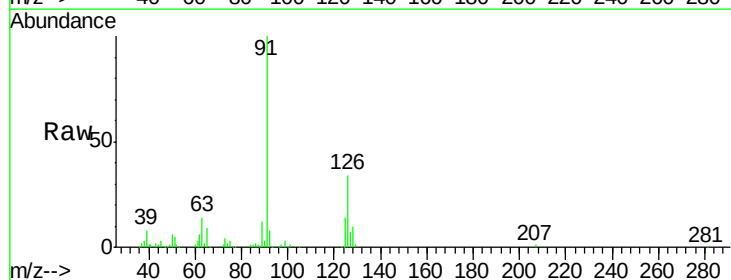
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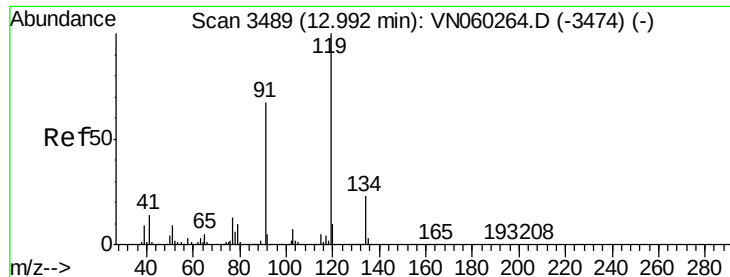
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3/9/2020 11:41:27 AM



#82
4-Chlorotoluene
Concen: 18.097 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.1





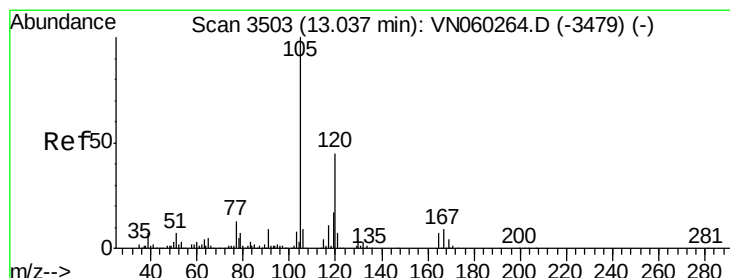
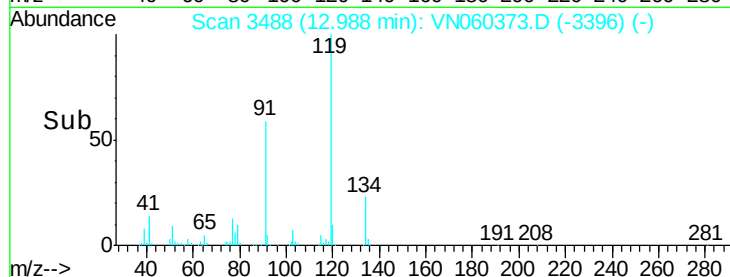
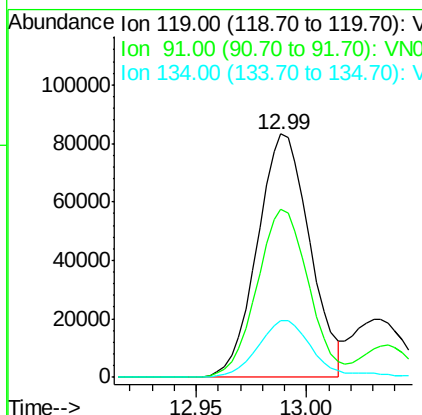
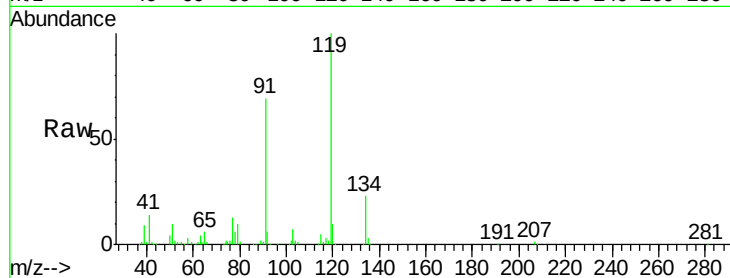
#83
 tert-Butylbenzene
 Concen: 17.895 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.1	99.2
134	24.7	12.4	37.0

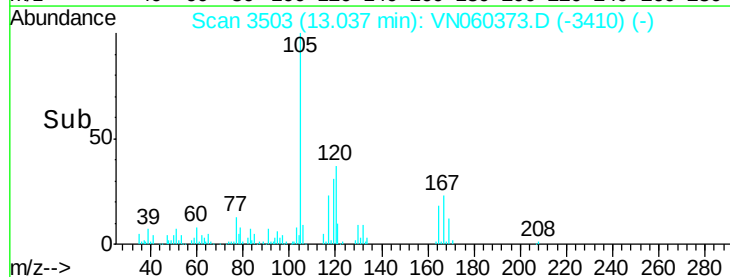
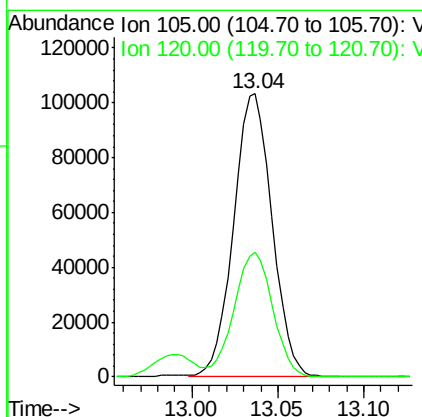
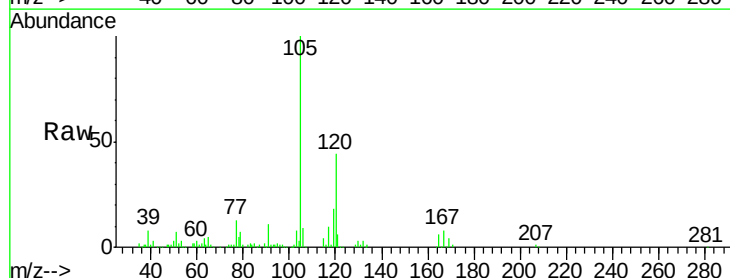
Manual Integrations
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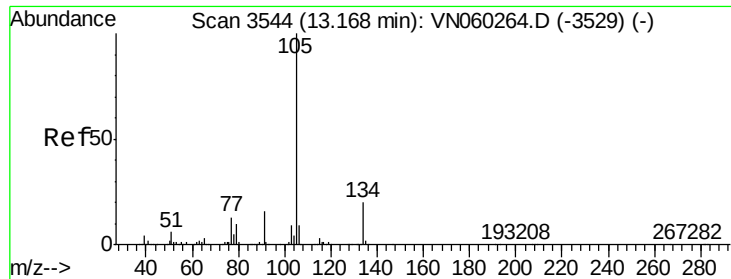
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.071 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 17.729 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

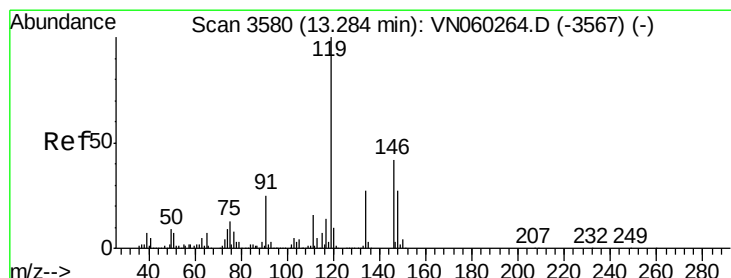
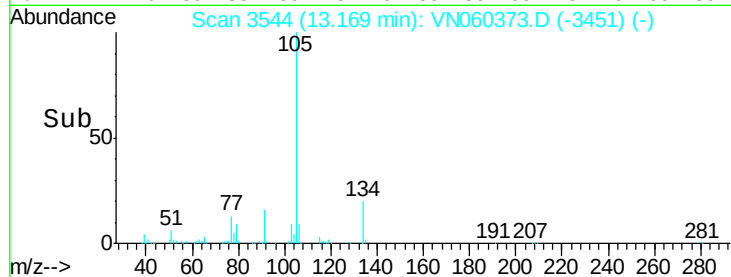
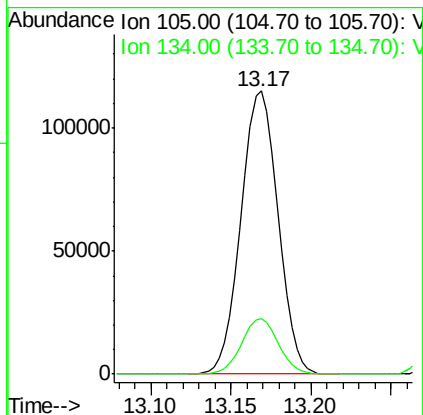
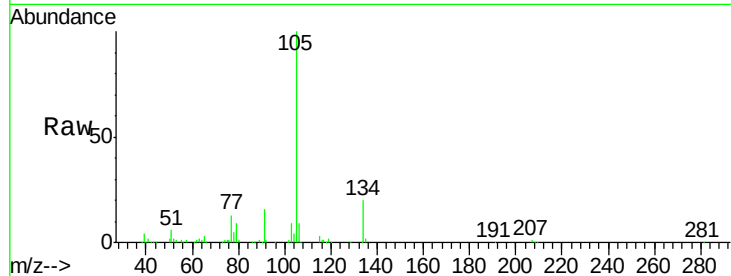
ClientSampleId :

VN0306WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	181799		
134	19.3	9.8	29.5	

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#86

p-Isopropyltoluene

Concen: 17.426 ug/l

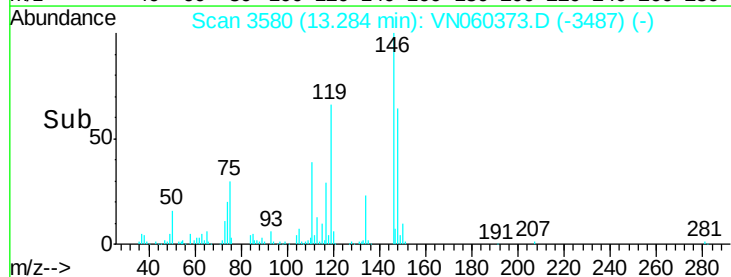
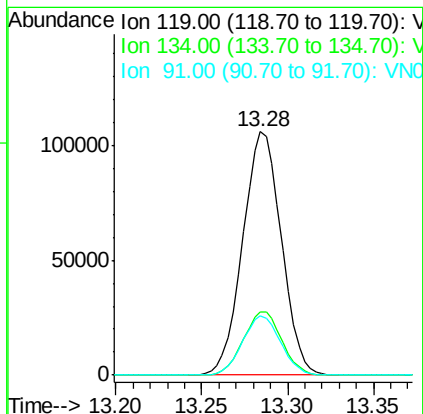
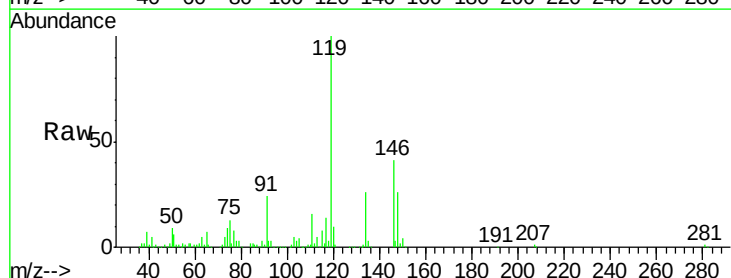
RT: 13.28 min Scan# 3580

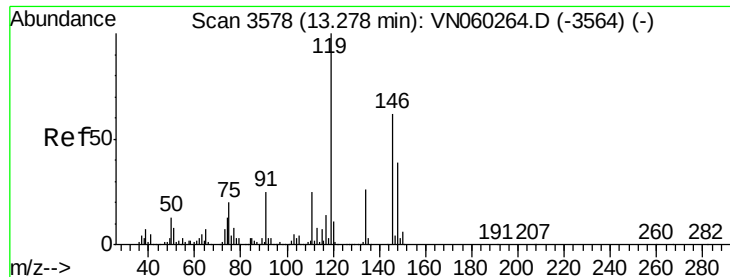
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	165389		
134	25.9	13.2	39.6	
91	24.1	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 18.547 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060373.D

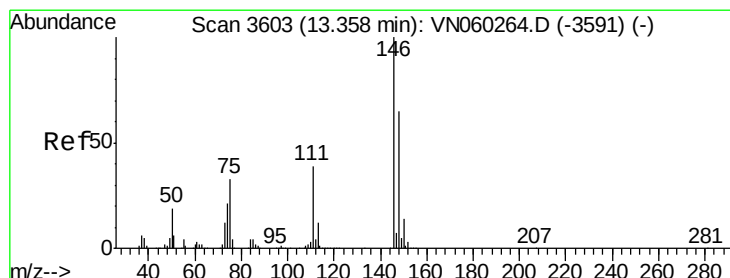
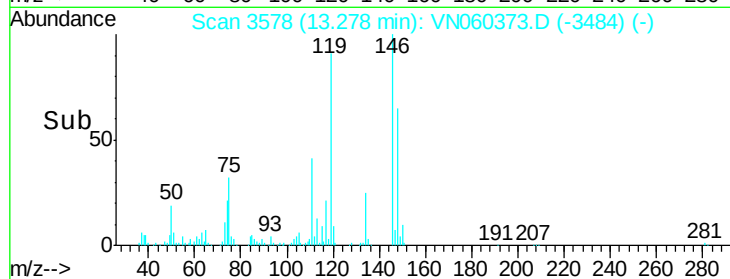
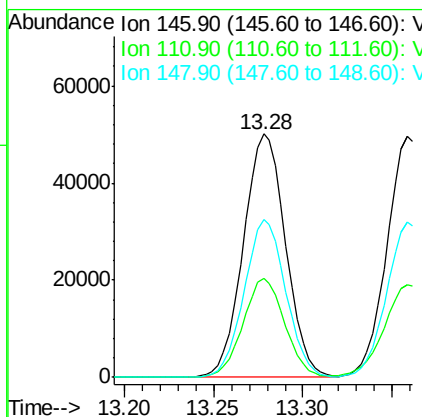
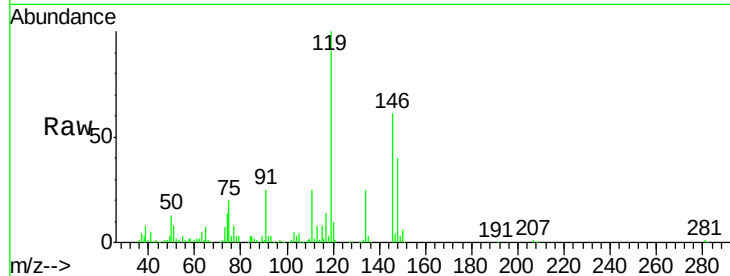
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.0	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.535 ug/l

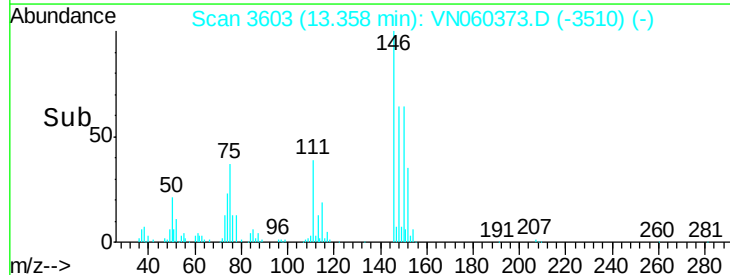
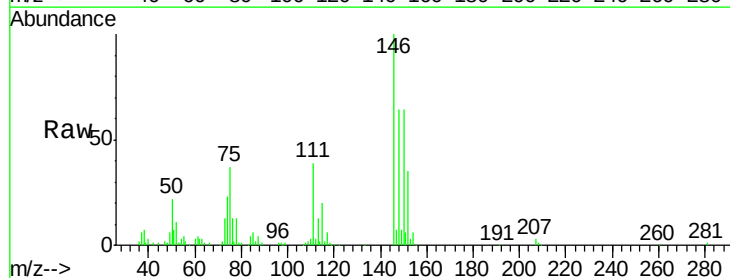
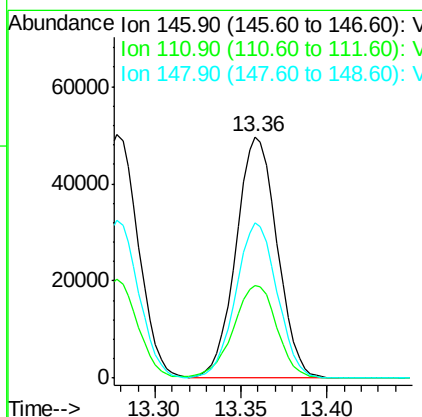
RT: 13.36 min Scan# 3603

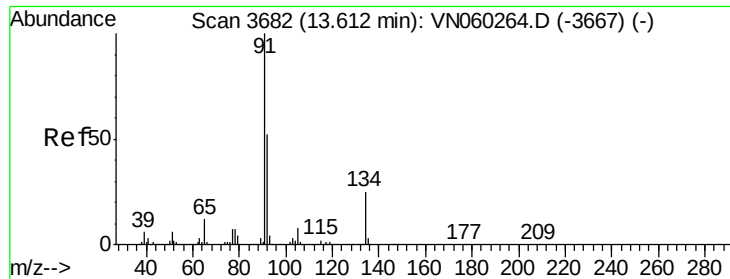
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.8	59.4
148	64.9	32.3	96.9





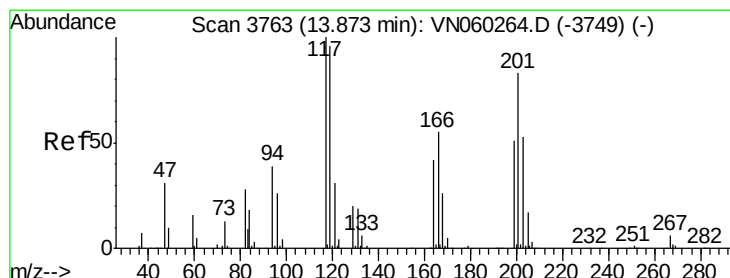
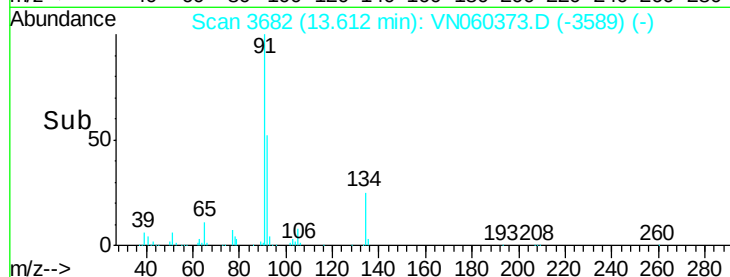
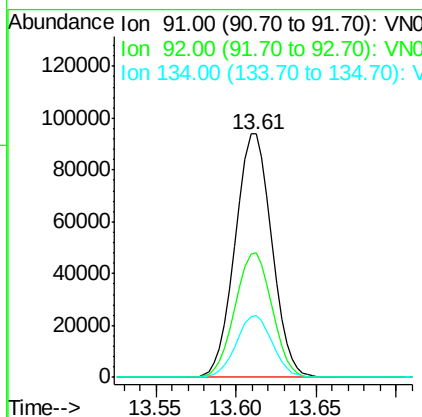
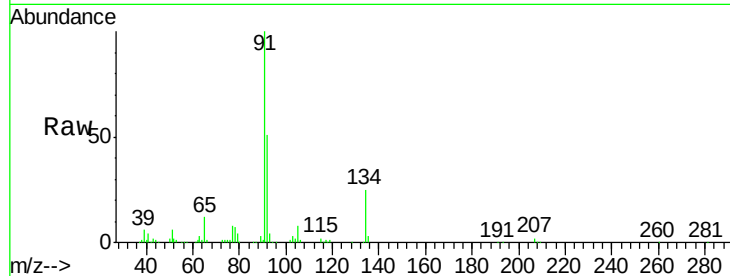
#89
n-Butylbenzene
Concen: 16.833 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	25.0	12.7	38.1

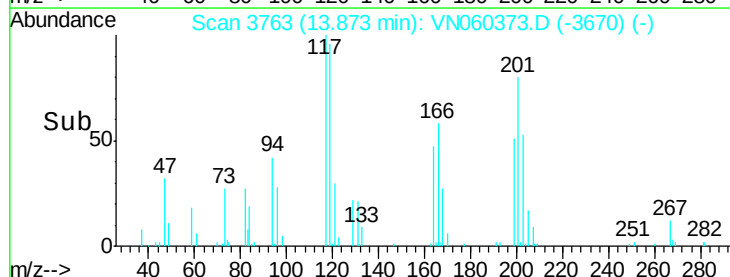
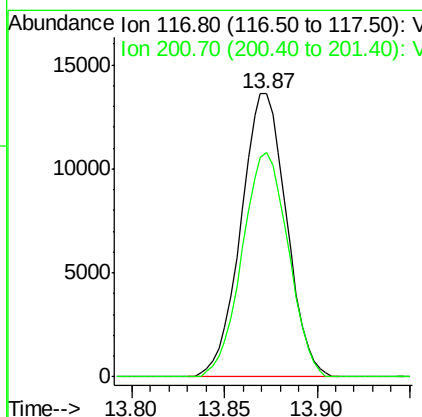
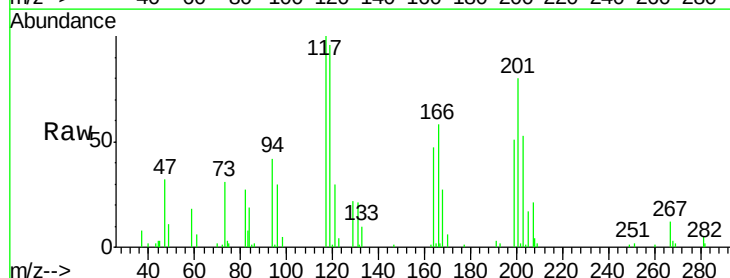
Manual Integrations
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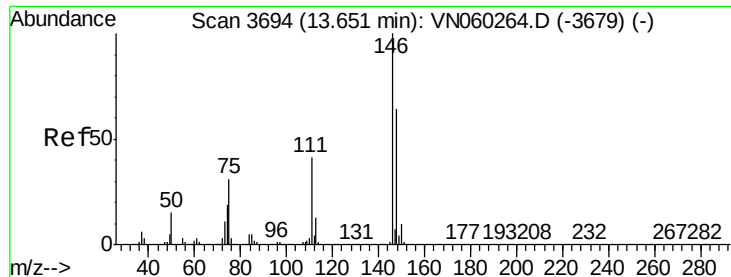
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#90
Hexachloroethane
Concen: 16.869 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 17.668 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

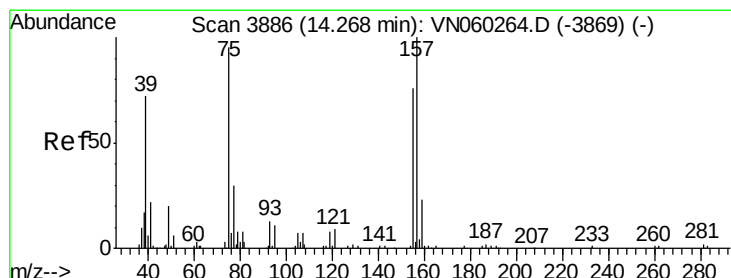
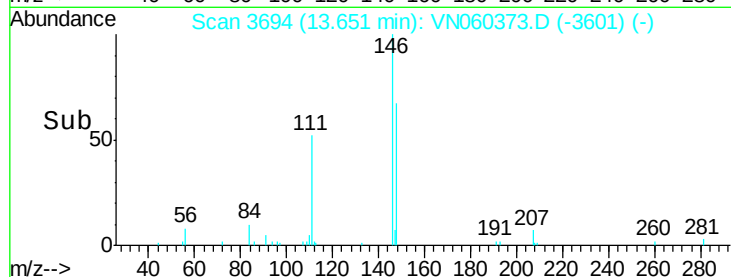
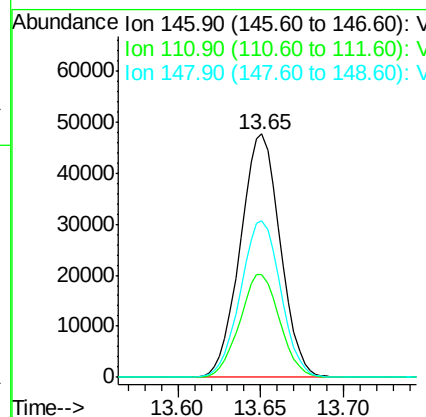
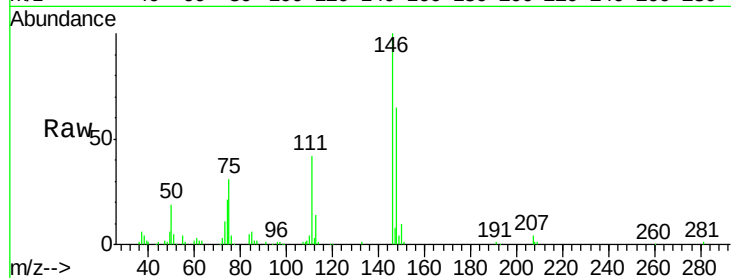
ClientSampleId :

VN0306WBS01

Tot Ion:	146	Resp:	79718
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.3	61.0
148	64.8	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.667 ug/l

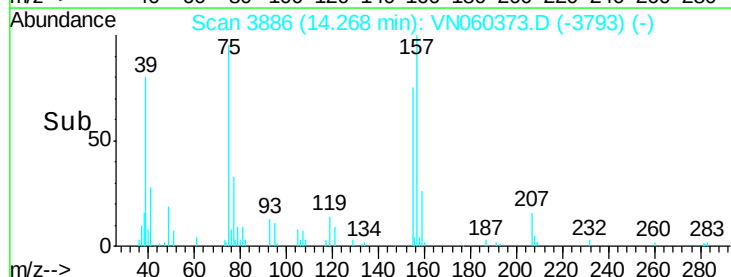
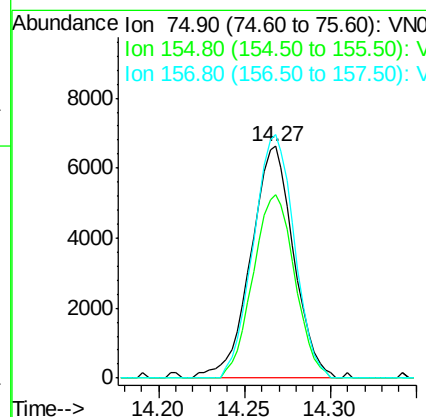
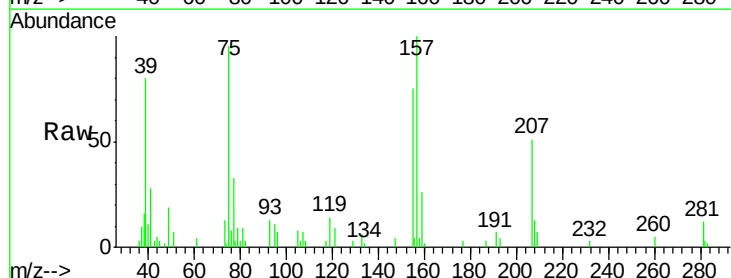
RT: 14.27 min Scan# 3886

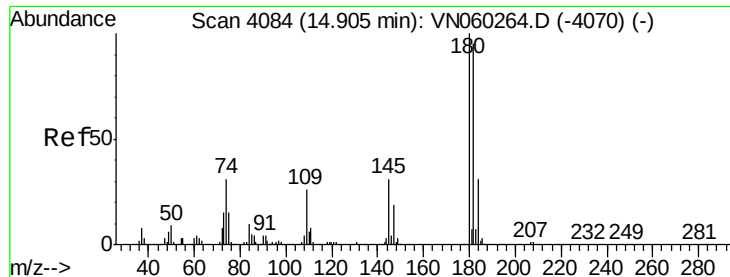
Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion:	75	Resp:	11424
Ion Ratio	Lower	Upper	
75	100		
155	77.0	40.4	121.2
157	100.7	52.5	157.5





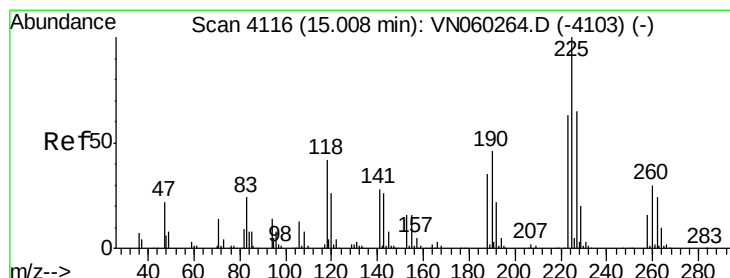
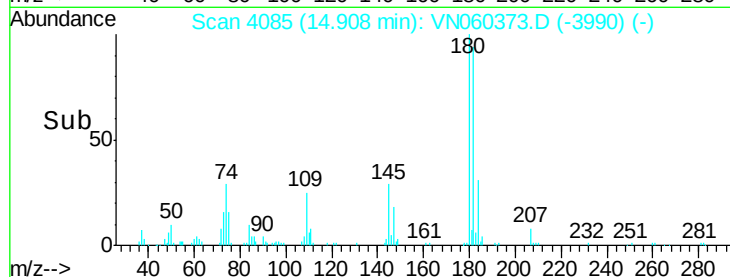
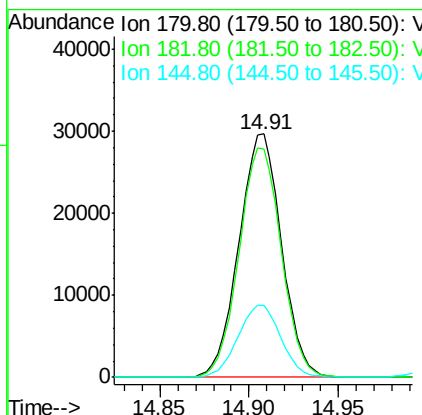
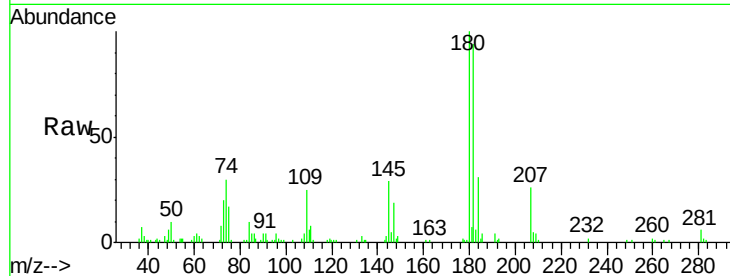
#93
 1,2,4-Trichlorobenzene
 Concen: 17.260 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49320		
182	93.6	47.8	143.3	
145	29.8	15.4	46.1	

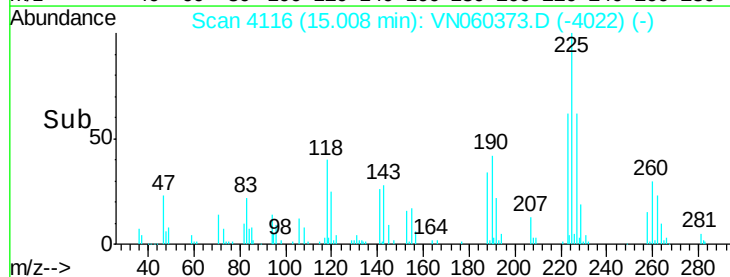
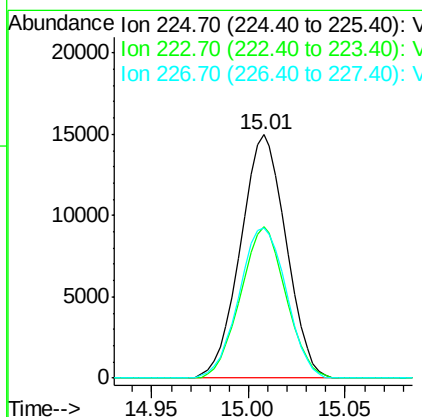
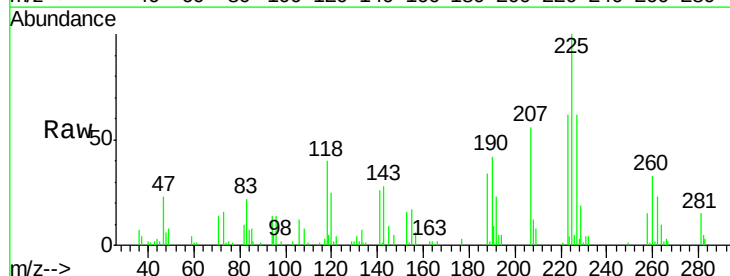
Manual Integrations
 APPROVED

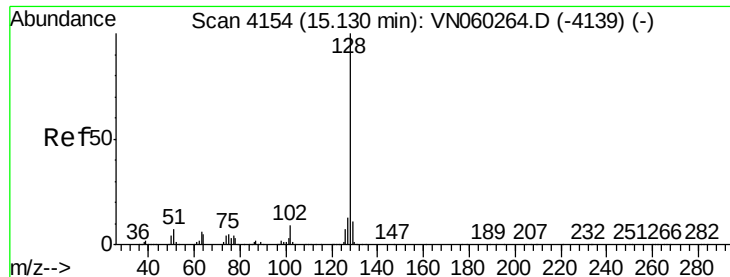
MMDadoda
 3/9/2020 11:41:27 AM



#94
 Hexachlorobutadiene
 Concen: 18.266 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24552		
223	61.8	31.3	93.9	
227	64.1	32.3	96.9	





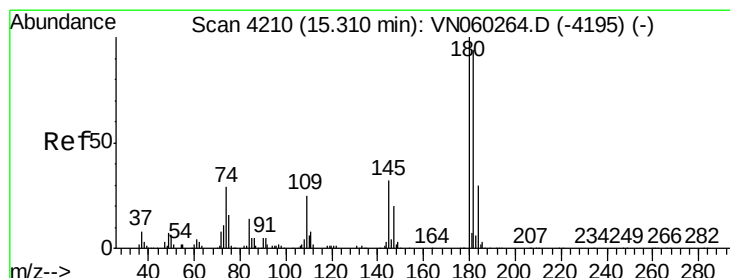
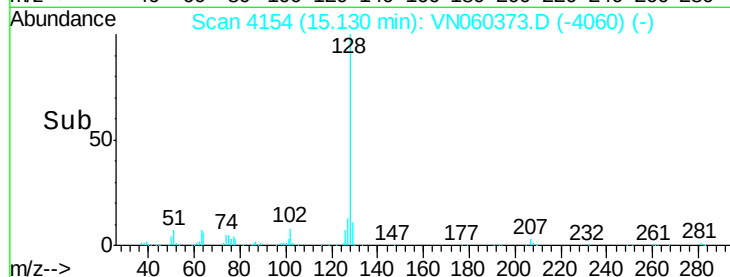
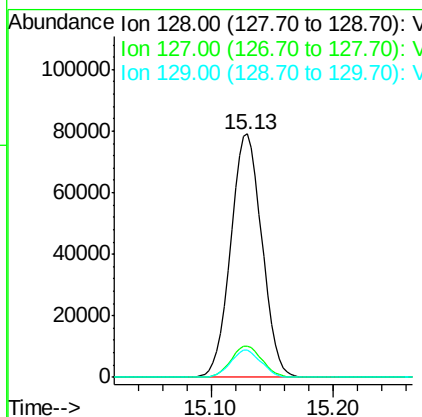
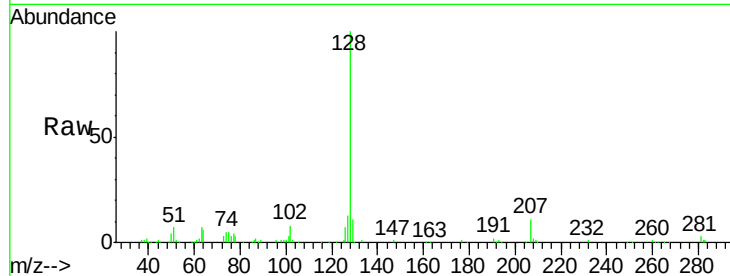
#95
Naphthalene
Concen: 16.484 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/9/2020 11:41:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.251 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	142.0
145	33.5	16.2	48.5

