

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060320.D
 Acq On : 3 Mar 2020 11:40
 Operator : JC/MD
 Sample : VN0303MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:44:06 AM

Quant Time: Mar 04 01:41:15 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	198705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	126329	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.57	113	85910	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
50) Toluene-d8	10.08	98	364550	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.40	95	135111	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31651	17.373	ug/l	98
3) Chloromethane	2.04	50	55806	17.594	ug/l	99
4) Vinyl Chloride	2.16	62	45591	16.760	ug/l	98
5) Bromomethane	2.55	94	16494	13.300	ug/l	97
6) Chloroethane	2.69	64	25001	16.963	ug/l	96
7) Trichlorofluoromethane	3.00	101	59326	17.070	ug/l	98
8) Diethyl Ether	3.38	74	23792	18.131	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35087	17.839	ug/l	98
10) Methyl Iodide	3.93	142	31281	17.426	ug/l	99
11) Tert butyl alcohol	4.73	59	31899	84.265	ug/l	98
12) 1,1-Dichloroethene	3.72	96	34269	17.902	ug/l	97
13) Acrolein	3.58	56	30961	87.669	ug/l	100
14) Allyl chloride	4.29	41	63475	18.034	ug/l	99
15) Acrylonitrile	4.95	53	91747	91.949	ug/l	98
16) Acetone	3.78	43	74981	91.076	ug/l	99
17) Carbon Disulfide	4.03	76	88703	17.045	ug/l	99
18) Methyl Acetate	4.29	43	46177	16.807	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	129628	18.703	ug/l	99
20) Methylene Chloride	4.52	84	40028	17.704	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	37364	17.944	ug/l	98
22) Diisopropyl ether	5.91	45	133776	18.763	ug/l	96
23) Vinyl Acetate	5.86	43	531386	93.794	ug/l	99
24) 1,1-Dichloroethane	5.82	63	74225	18.391	ug/l	99
25) 2-Butanone	6.80	43	121497	91.365	ug/l	99
26) 2,2-Dichloropropane	6.80	77	65059	17.707	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	45317	17.285	ug/l	99
28) Bromochloromethane	7.17	49	31076	18.754	ug/l	97
29) Tetrahydrofuran	7.18	42	83113	89.880	ug/l	99
30) Chloroform	7.35	83	75423	18.773	ug/l	100
31) Cyclohexane	7.63	56	65706	18.226	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	64874	18.225	ug/l	100
36) 1,1-Dichloropropene	7.77	75	53601	17.322	ug/l	99
37) Ethyl Acetate	6.90	43	55066	18.793	ug/l	99
38) Carbon Tetrachloride	7.75	117	53394	17.722	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	63955	17.529	ug/l	100
40) Benzene	8.02	78	163317	18.133	ug/l	98
41) Methacrylonitrile	7.14	41	25618	18.935	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61767	19.005	ug/l	100
43) Isopropyl Acetate	8.14	43	95557	18.628	ug/l	99
44) Trichloroethene	8.82	130	44602	17.781	ug/l	97
45) 1,2-Dichloropropane	9.10	63	44497	18.896	ug/l	100
46) Dibromomethane	9.19	93	28123	18.406	ug/l	98
47) Bromodichloromethane	9.39	83	59406	19.116	ug/l	98
48) Methyl methacrylate	9.18	41	41825	17.880	ug/l	98
49) 1,4-Dioxane	9.18	88	10934	332.391	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	267241	91.886	ug/l	99
52) Toluene	10.14	92	100930	17.840	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68430	17.971	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72054	18.261	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	41761	18.355	ug/l	98
56) Ethyl methacrylate	10.42	69	59559	18.221	ug/l	97
57) 1,3-Dichloropropane	10.70	76	71092	19.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	150164	87.839	ug/l	99
59) 2-Hexanone	10.74	43	191600	89.725	ug/l	99
60) Dibromochloromethane	10.89	129	43124	18.638	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40640	18.324	ug/l	98
64) Tetrachloroethene	10.62	164	47779	19.528	ug/l	97
65) Chlorobenzene	11.43	112	107523	17.892	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	41119	18.505	ug/l	99
67) Ethyl Benzene	11.51	91	197661	18.061	ug/l	98
68) m/p-Xylenes	11.62	106	147992	35.841	ug/l	100
69) o-Xylene	11.94	106	71780	18.230	ug/l	99
70) Styrene	11.96	104	113938	17.600	ug/l	99
71) Bromoform	12.12	173	29235	18.255	ug/l #	99
73) Isopropylbenzene	12.25	105	193690	18.120	ug/l	99
74) N-amyl acetate	12.06	43	81347	17.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	53044	18.256	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	47049m	14.870	ug/l	
77) Bromobenzene	12.52	156	47705	18.207	ug/l	96
78) n-propylbenzene	12.59	91	226117	18.047	ug/l	99
79) 2-Chlorotoluene	12.67	91	130657	17.740	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	163420	18.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20049	17.492	ug/l #	86
82) 4-Chlorotoluene	12.77	91	135557	17.469	ug/l	100
83) tert-Butylbenzene	12.99	119	138688	17.799	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	164124	18.068	ug/l	100
85) sec-Butylbenzene	13.17	105	186825	17.905	ug/l	99
86) p-Isopropyltoluene	13.28	119	171111	17.718	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	83314	18.385	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	84110	18.572	ug/l	99
89) n-Butylbenzene	13.61	91	156302	17.631	ug/l	100
90) Hexachloroethane	13.87	117	22121	15.825	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82196	17.903	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11754	17.864	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53046	18.239	ug/l	99
94) Hexachlorobutadiene	15.01	225	26271	19.238	ug/l	99
95) Naphthalene	15.13	128	152319	17.550	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50833	18.387	ug/l	100

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

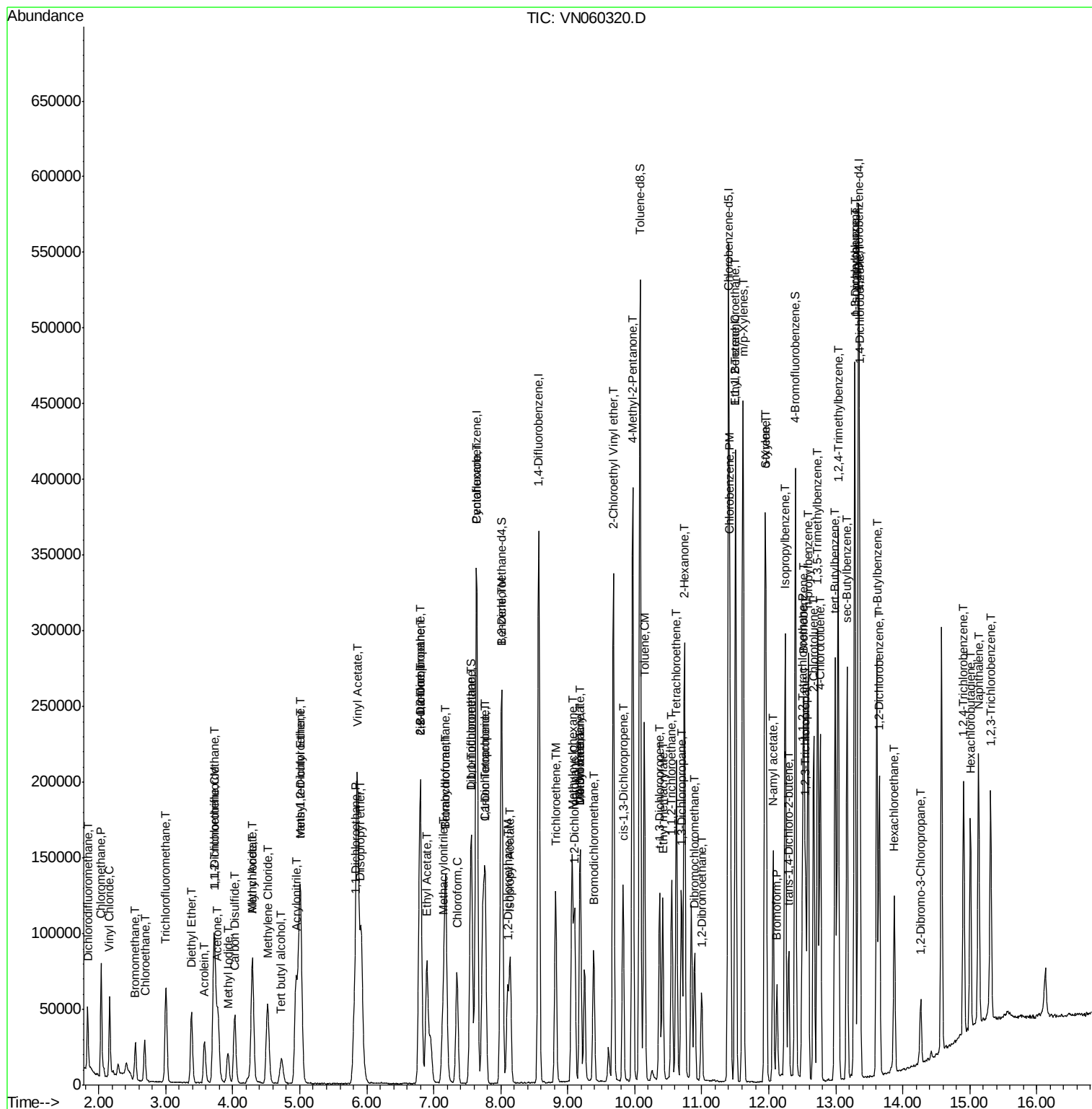
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
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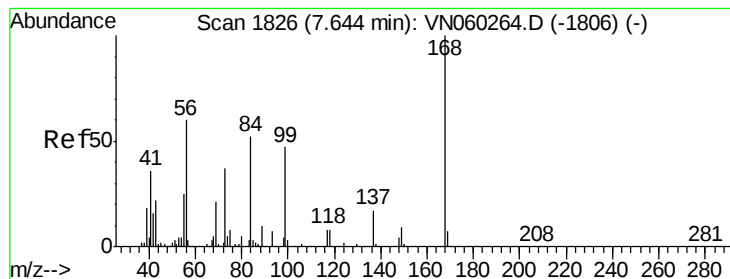
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0303MBS01

Tot Ion:168 Resp: 198705

Ion Ratio Lower Upper

168 100

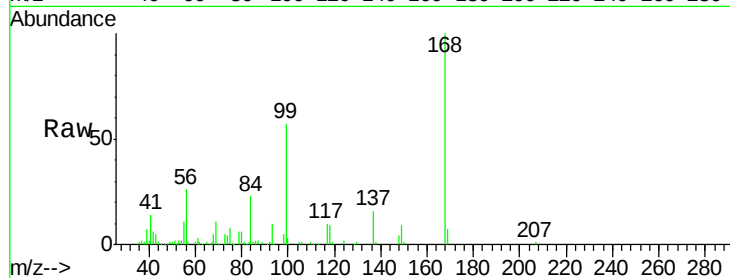
99 57.2 44.7 67.1

Manual Integrations

APPROVED

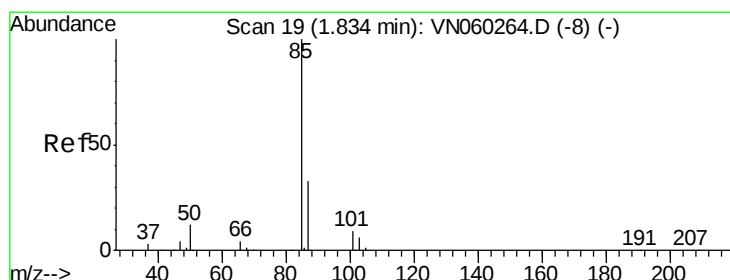
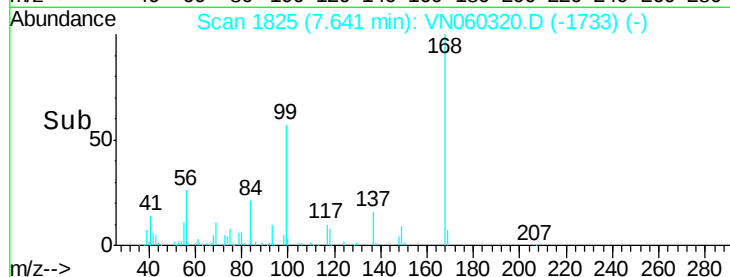
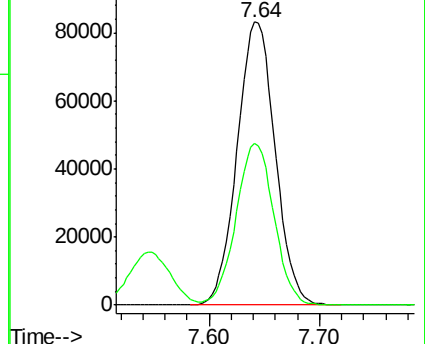
MMDadoda

3/4/2020 10:44:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.373 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060320.D

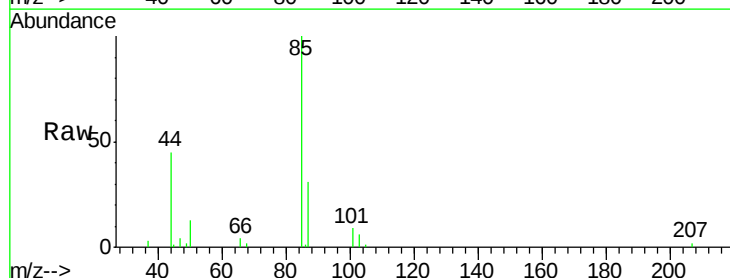
Acq: 3 Mar 2020 11:40

Tgt Ion: 85 Resp: 31651

Ion Ratio Lower Upper

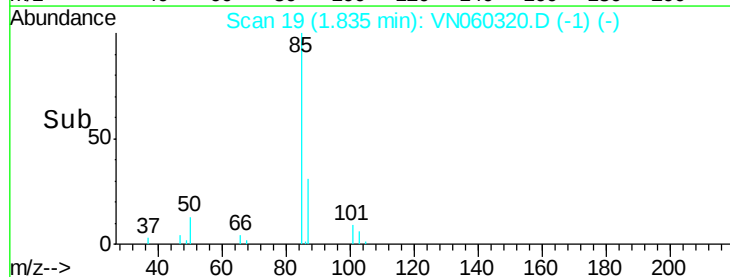
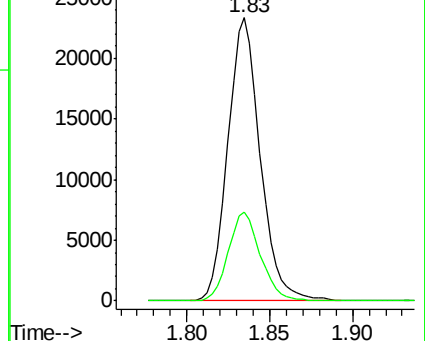
85 100

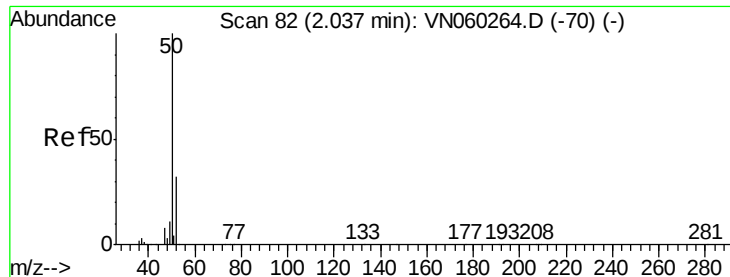
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.594 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0303MBS01

Tot Ion: 50 Resp: 55806

Ion Ratio Lower Upper

50 100

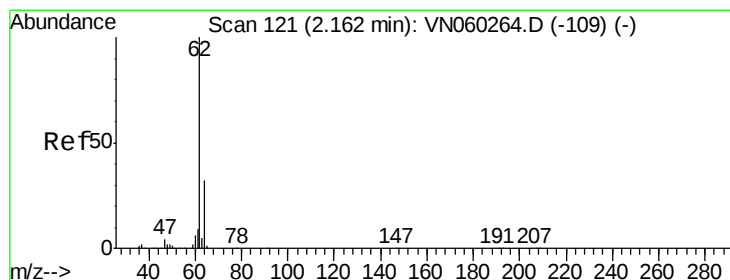
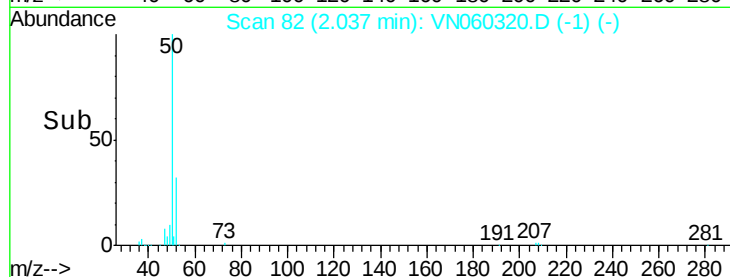
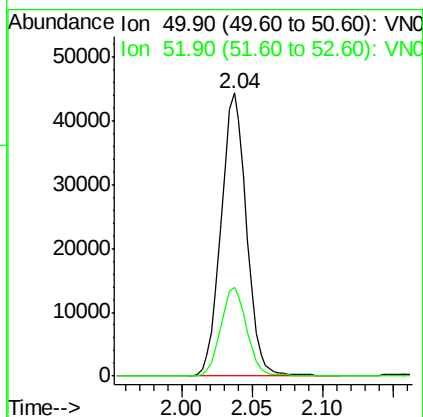
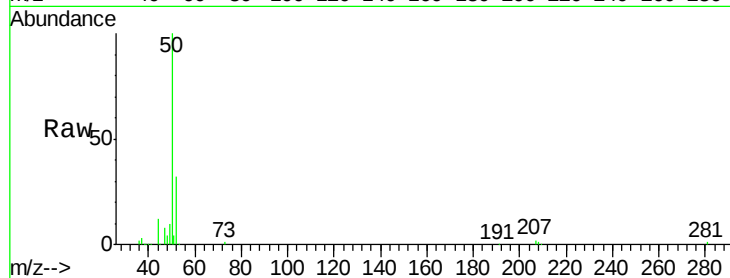
52 31.5 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.760 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060320.D

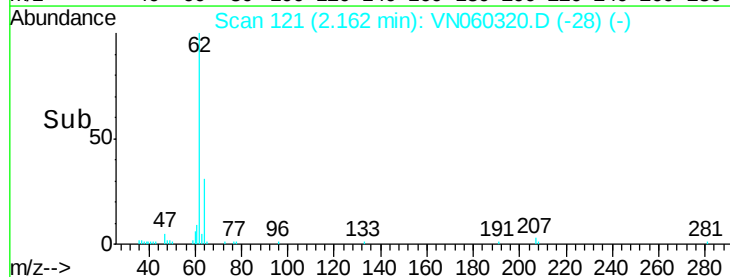
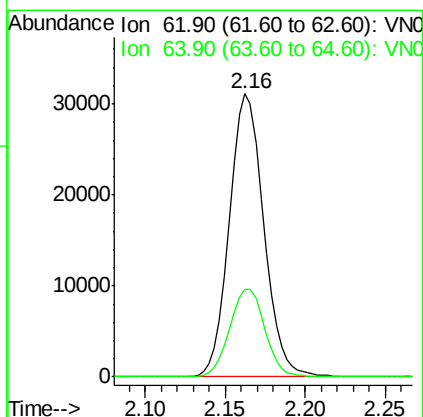
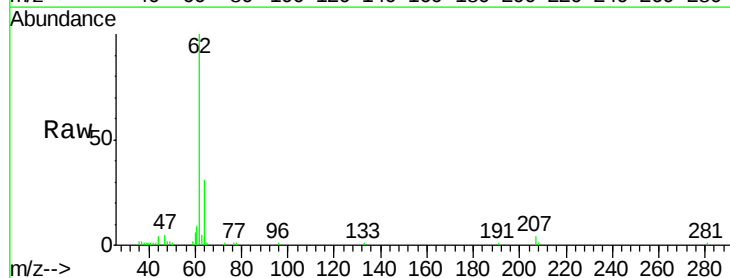
Acq: 3 Mar 2020 11:40

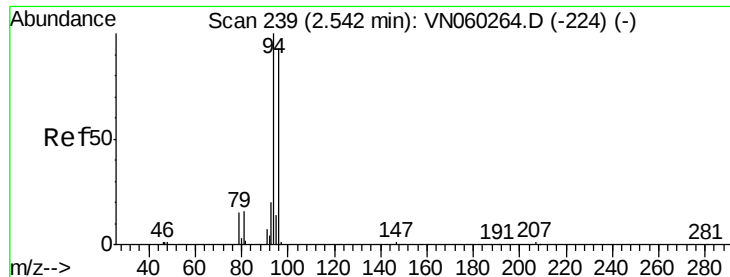
Tgt Ion: 62 Resp: 45591

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 13.300 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0303MBS01

Tot Ion: 94 Resp: 16494

Ion Ratio Lower Upper

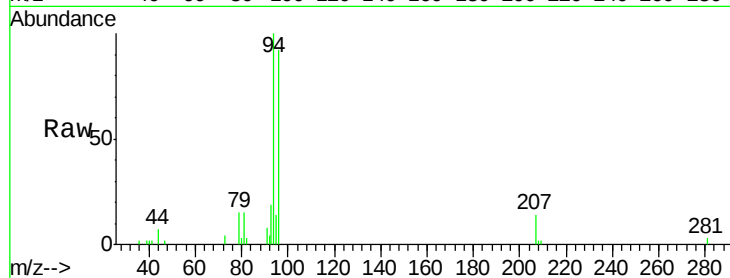
94 100

96 89.8 74.3 111.5

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

10000

8000

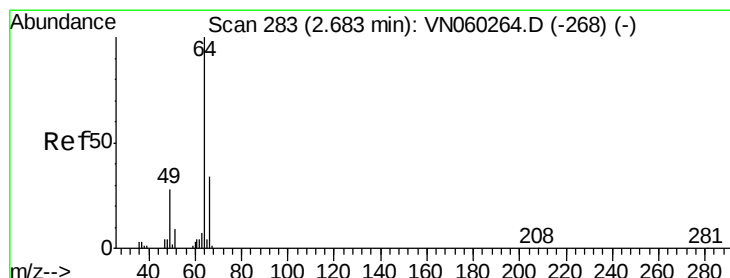
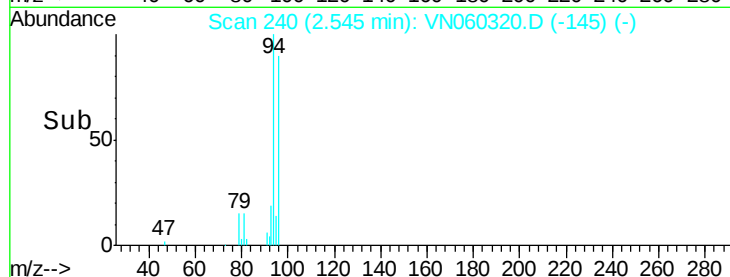
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 16.963 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060320.D

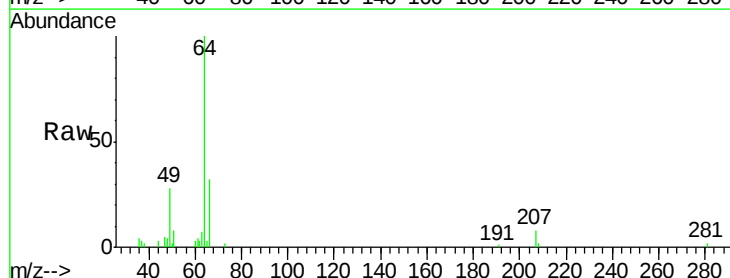
Acq: 3 Mar 2020 11:40

Tgt Ion: 64 Resp: 25001

Ion Ratio Lower Upper

64 100

66 31.8 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

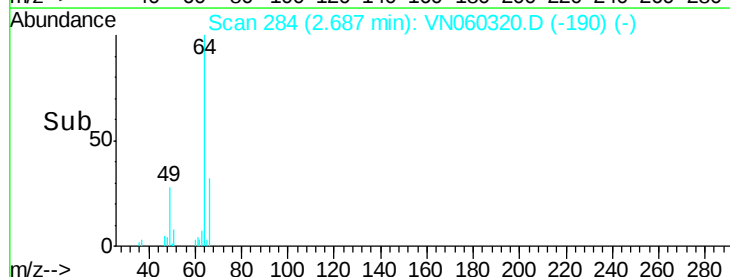
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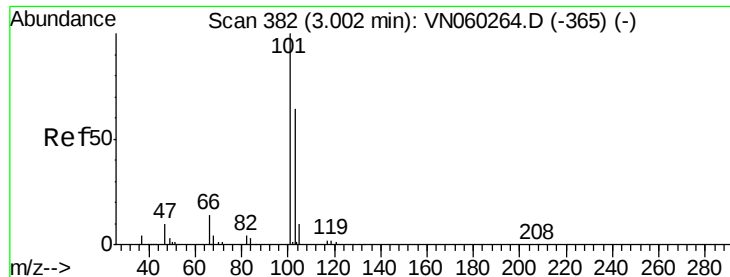
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5000

0

Time-->





#7

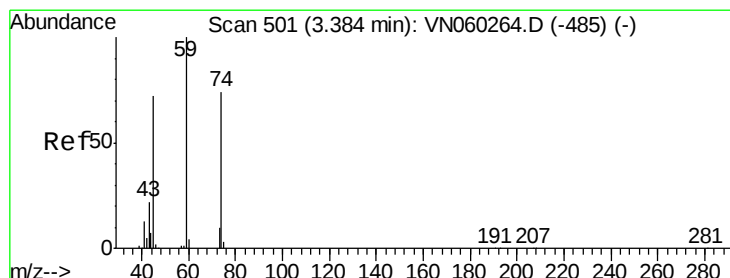
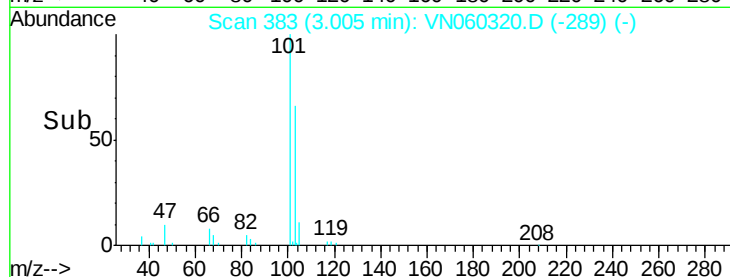
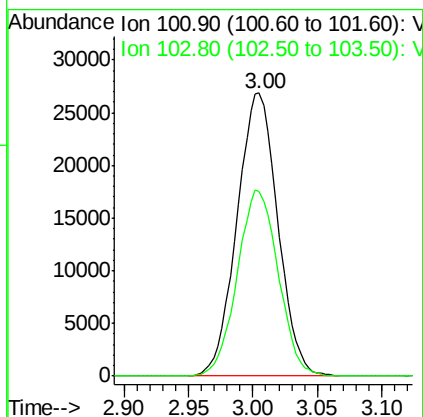
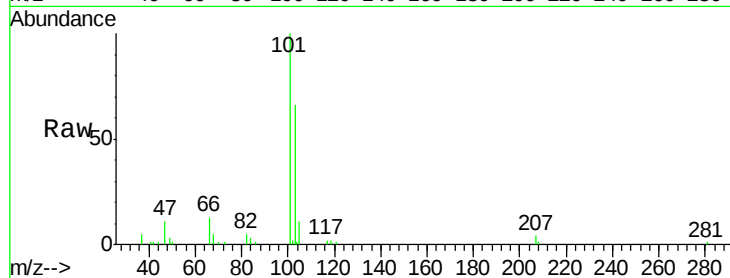
Trichlorofluoromethane
Concen: 17.070 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0303MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		59326		
103	65.5	51.3	76.9		

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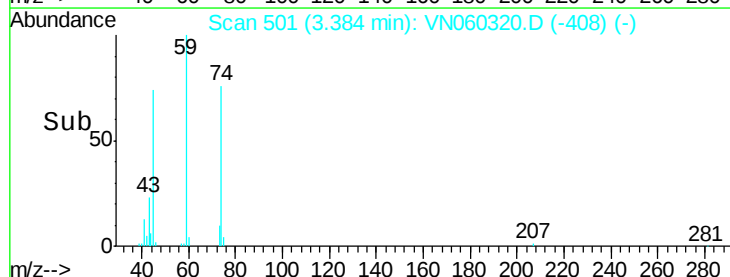
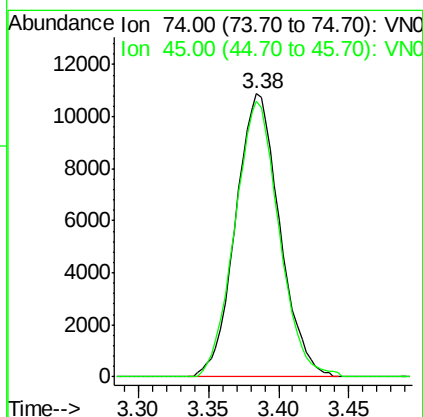
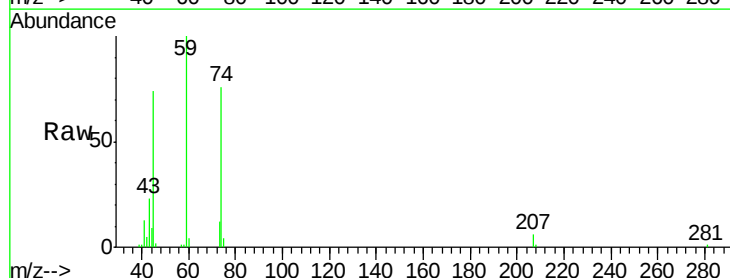
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3/4/2020 10:44:06 AM



#8

Diethyl Ether
Concen: 18.131 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060320.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		23792		
45	97.5	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.839 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

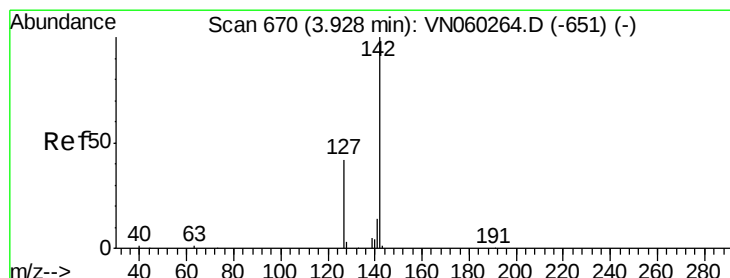
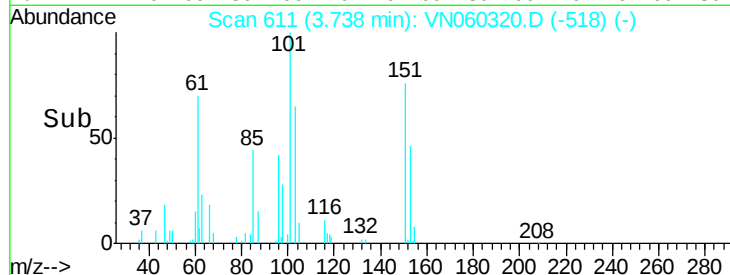
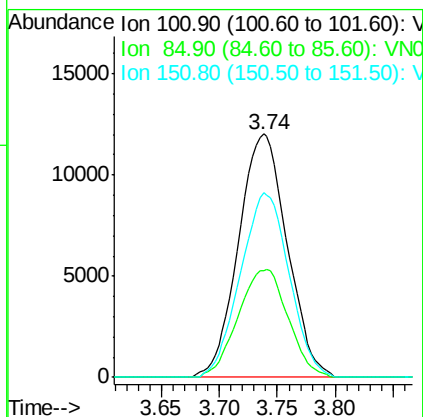
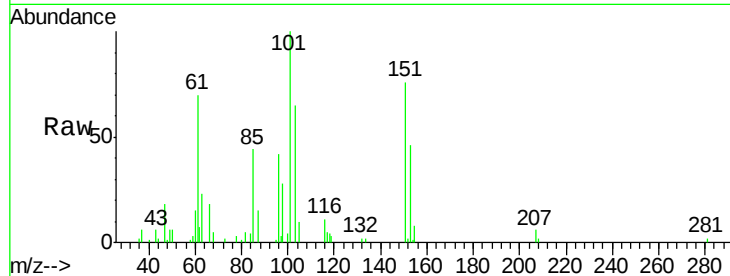
ClientSampled :

VN0303MBS01

Tot Ion:	101	Resp:	35087
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.4	53.2
151	76.1	62.0	93.0

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#10

Methyl Iodide

Concen: 17.426 ug/l

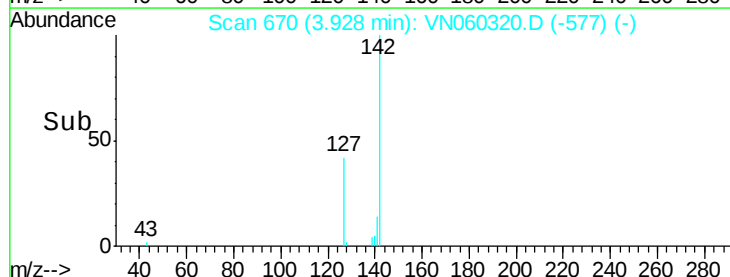
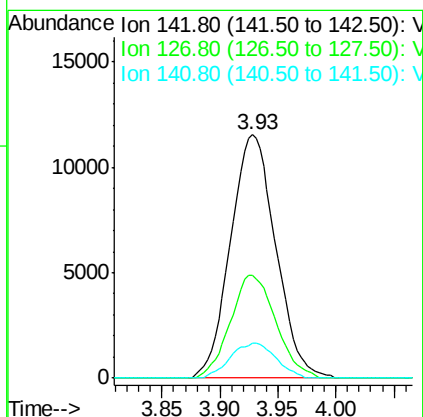
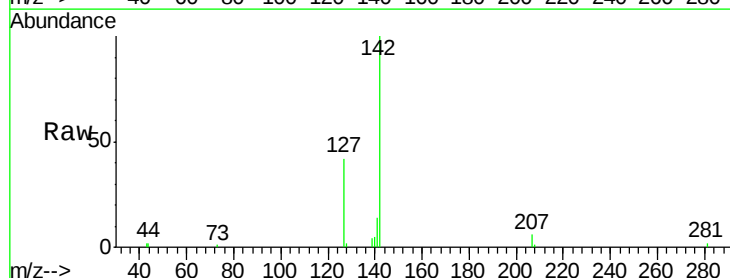
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	142	Resp:	31281
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.6
141	14.4	11.1	16.7





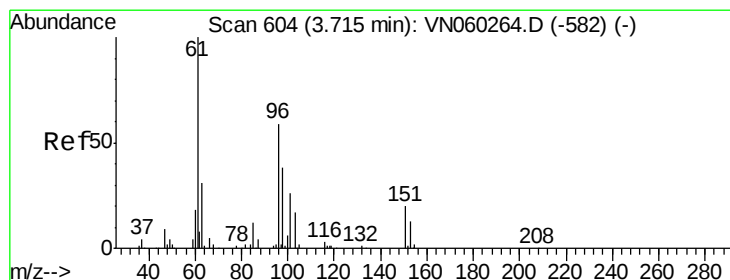
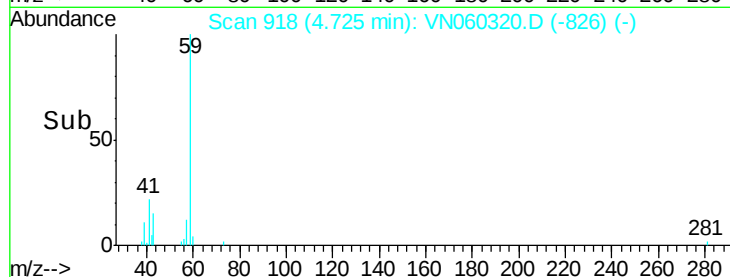
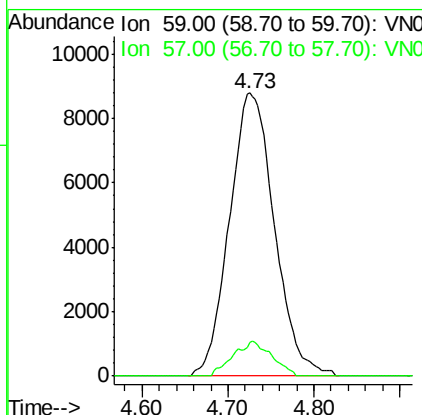
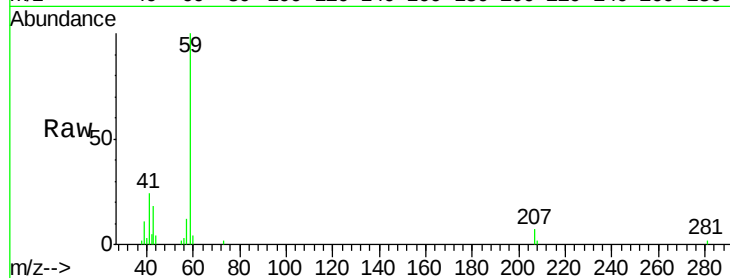
#11
Tert butyl alcohol
Concen: 84.265 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2

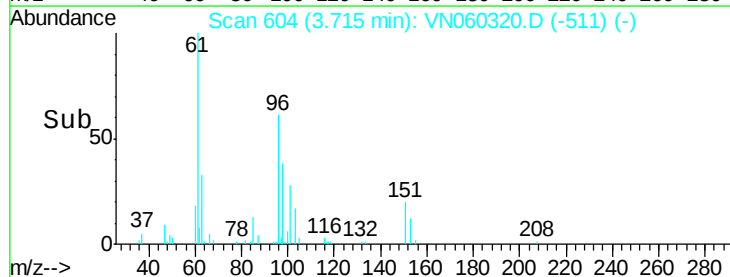
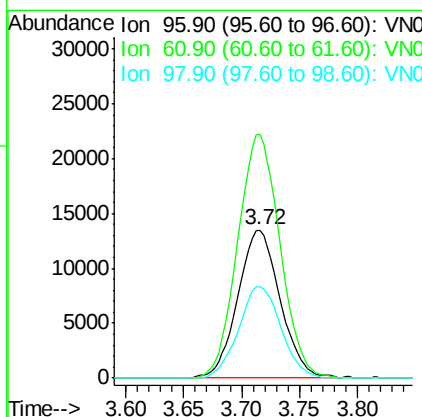
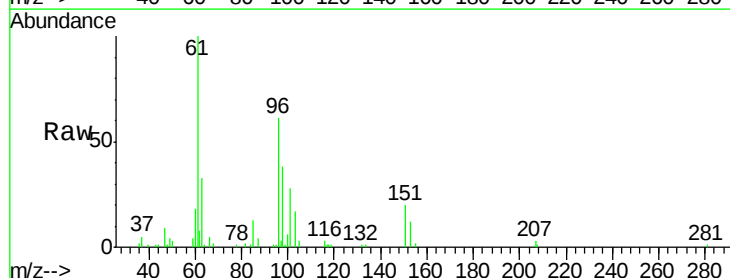
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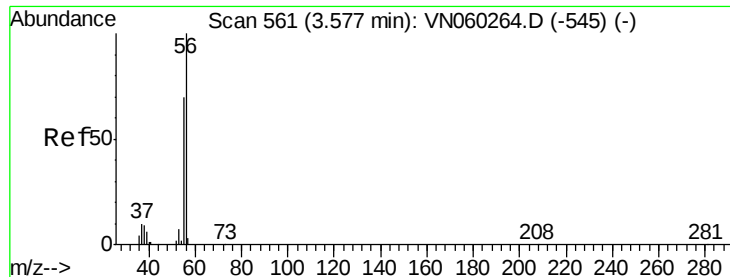
MMDadoda
3/4/2020 10:44:06 AM



#12
1,1-Dichloroethene
Concen: 17.902 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.5	135.4	203.0
98	62.0	51.6	77.4





#13

Acrolein

Concen: 87.669 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0303MBS01

Tot Ion: 56 Resp: 30961

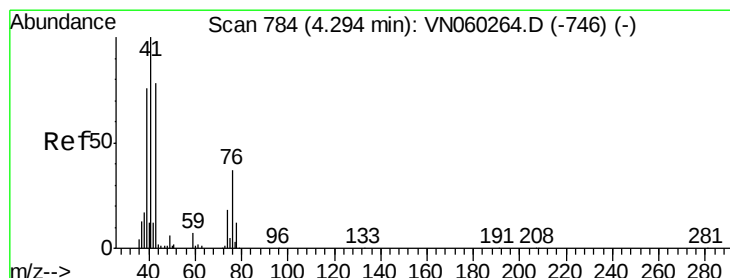
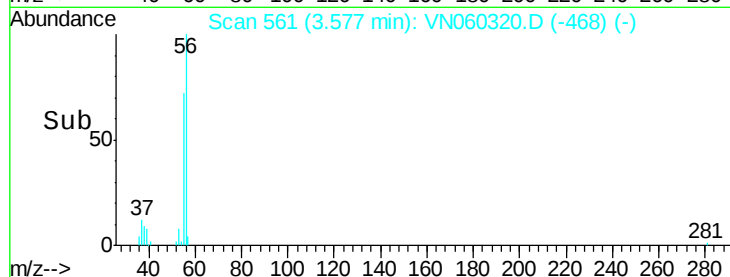
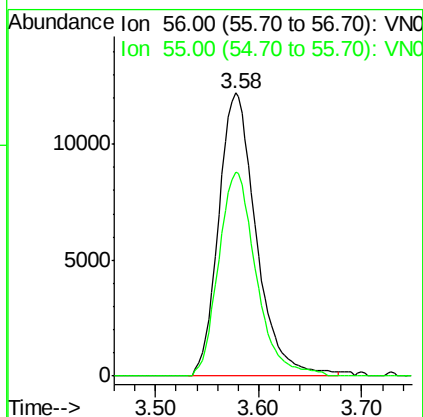
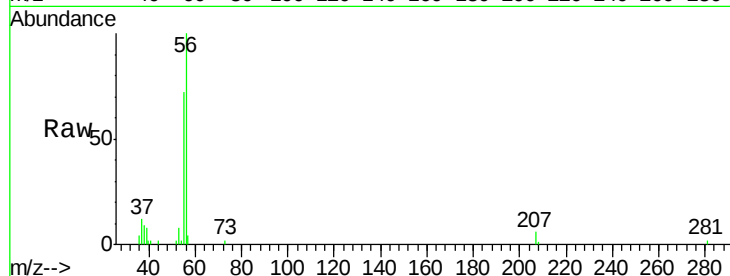
Ion Ratio Lower Upper

56 100

55 72.0 57.4 86.0

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#14

Allyl chloride

Concen: 18.034 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

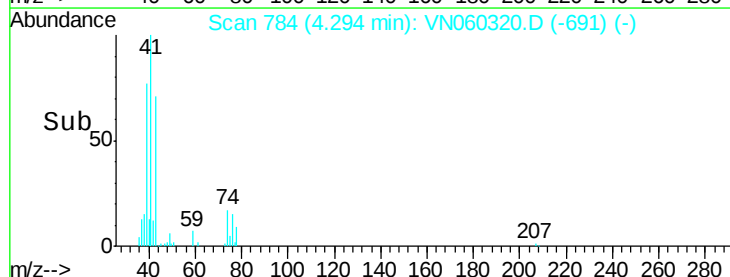
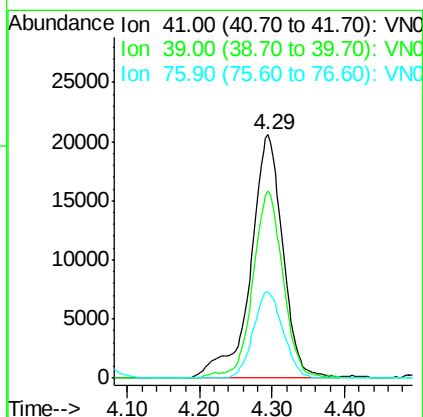
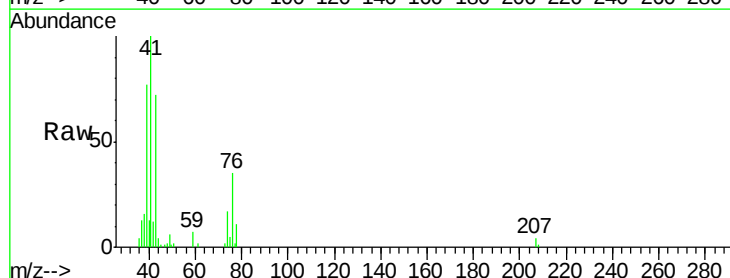
Tgt Ion: 41 Resp: 63475

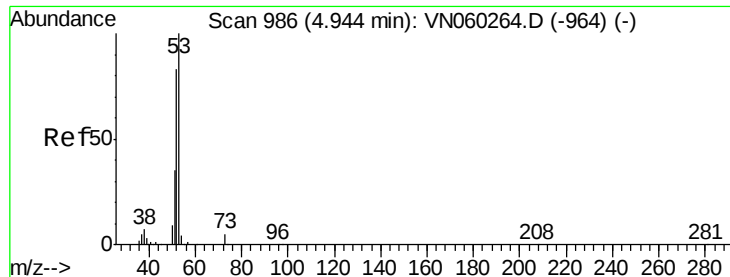
Ion Ratio Lower Upper

41 100

39 69.7 55.4 83.2

76 32.7 27.0 40.6





#15

Acrylonitrile

Concen: 91.949 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

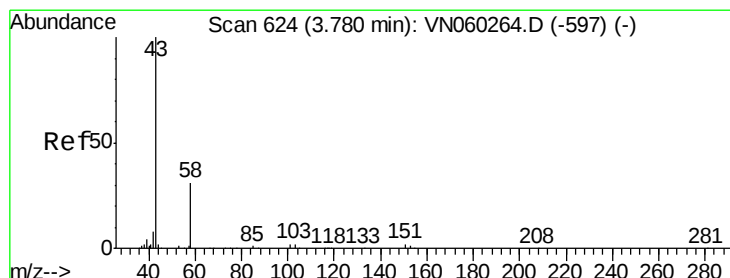
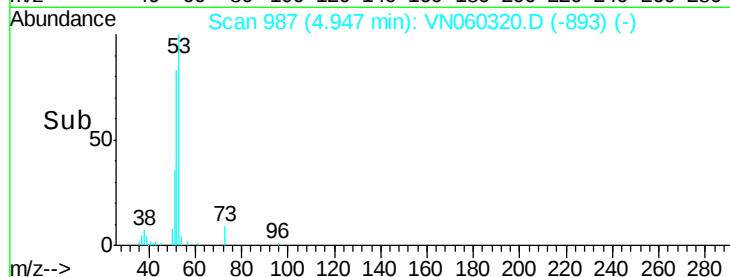
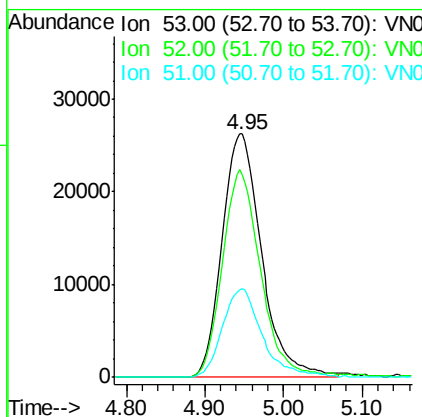
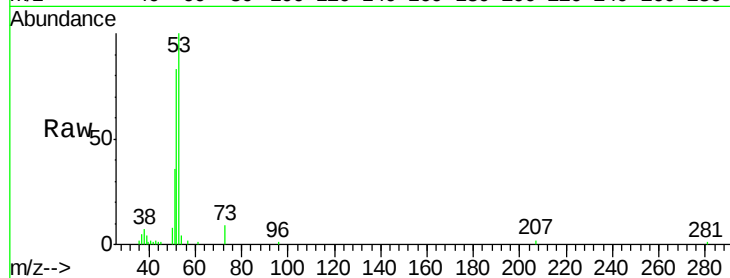
ClientSampleId :

VN0303MBS01

Tot Ion:	53	Resp:	91747
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.8	100.2
51	36.5	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 91.076 ug/l

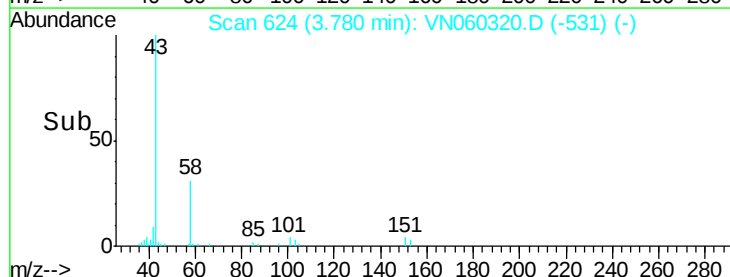
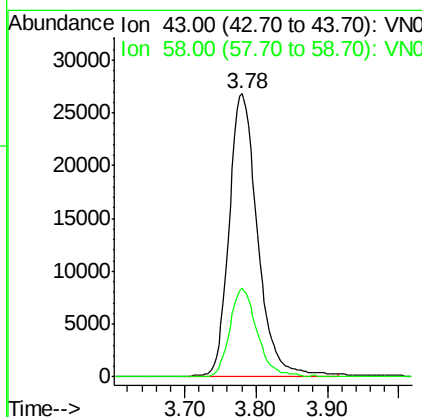
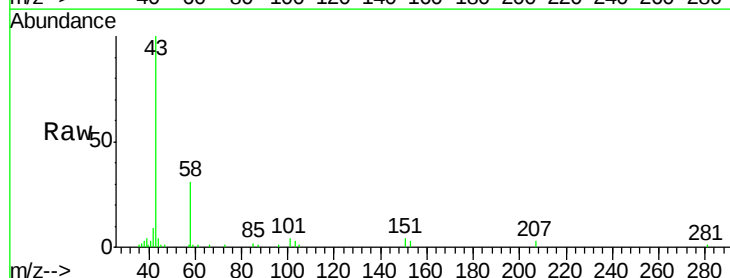
RT: 3.78 min Scan# 624

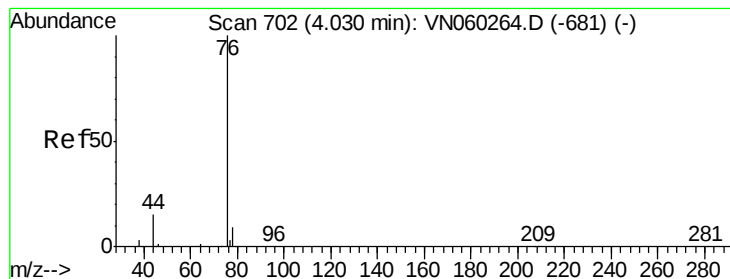
Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	43	Resp:	74981
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.6	36.8





#17

Carbon Disulfide

Concen: 17.045 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0303MBS01

Tot Ion: 76 Resp: 88703

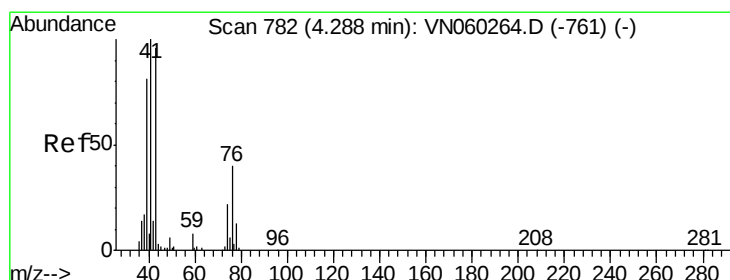
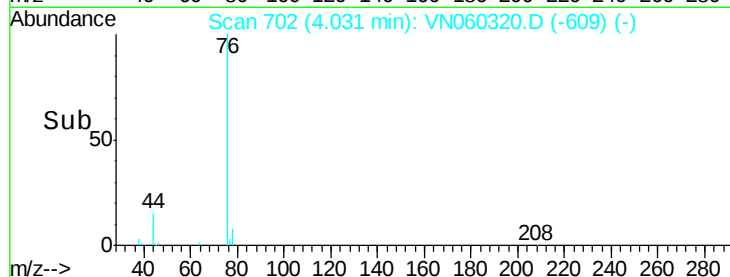
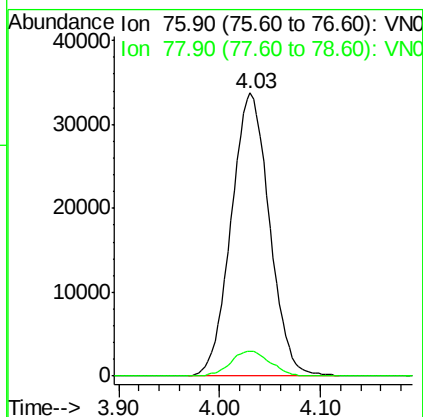
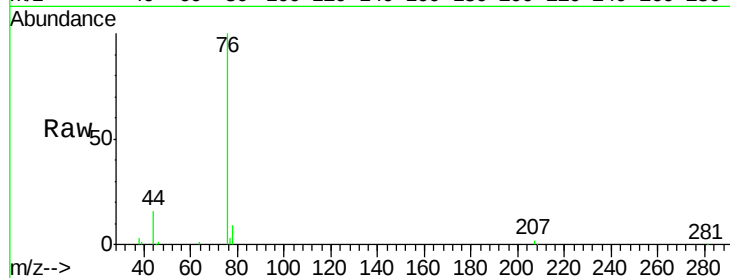
Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

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#18

Methyl Acetate

Concen: 16.807 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060320.D

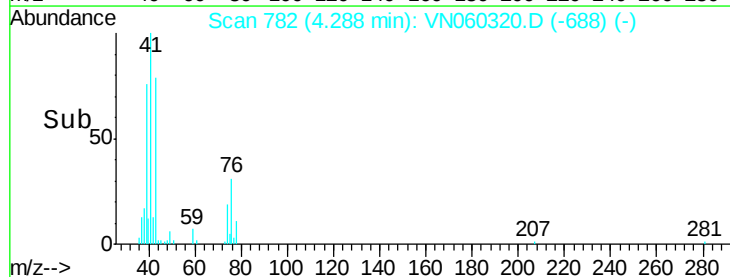
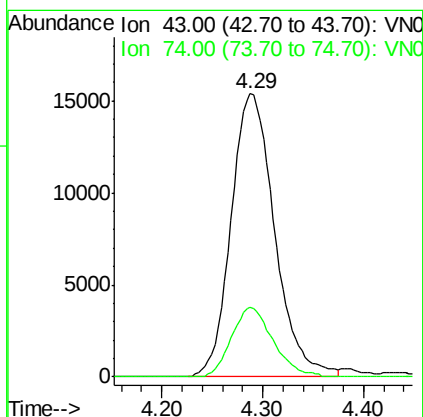
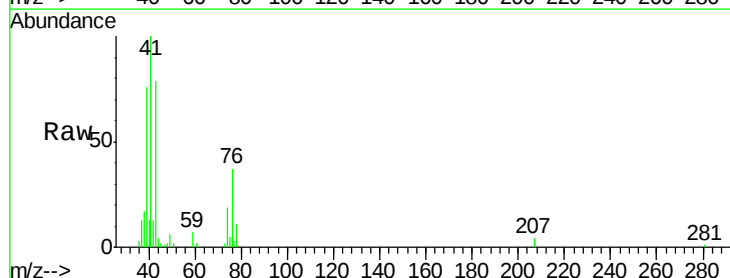
Acq: 3 Mar 2020 11:40

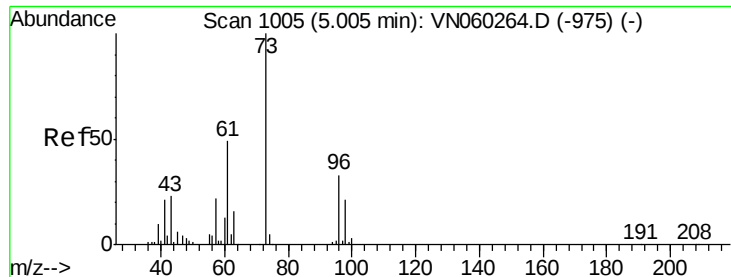
Tgt Ion: 43 Resp: 46177

Ion Ratio Lower Upper

43 100

74 23.4 18.8 28.2





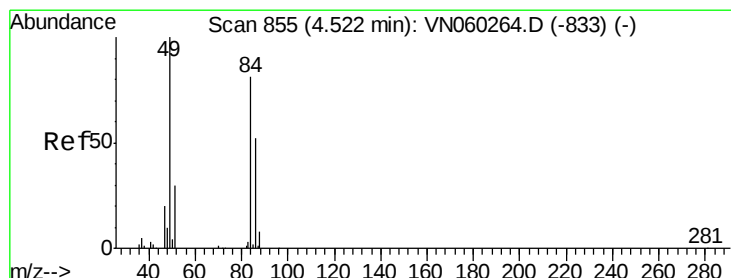
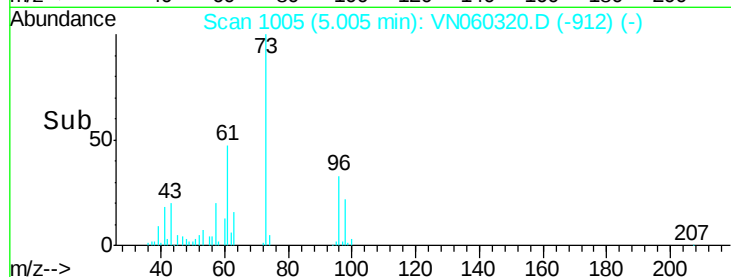
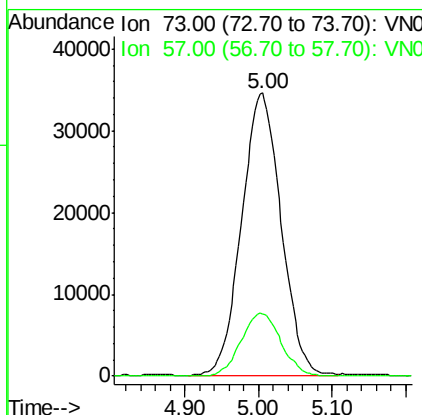
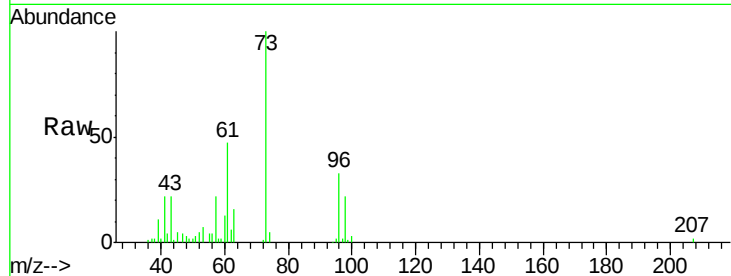
#19
Methyl tert-butyl Ether
Concen: 18.703 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	73	Resp	129628
Ion Ratio	Lower	Upper	
73	100		
57	22.0	17.3	25.9

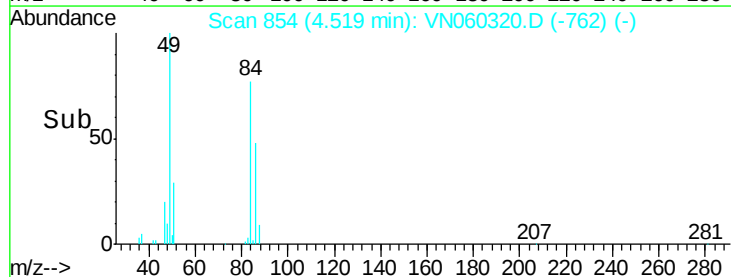
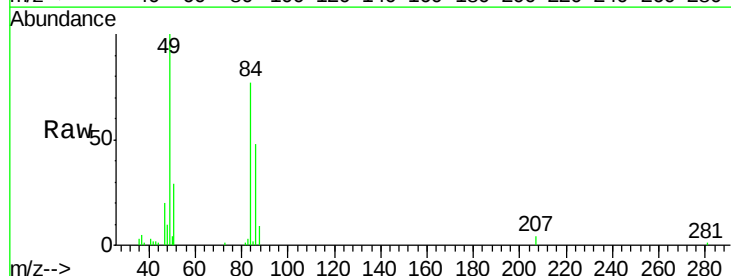
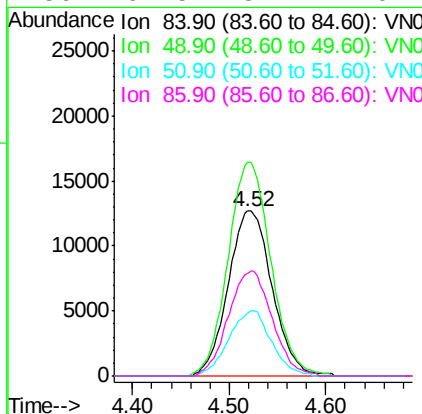
Manual Integrations
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#20
Methylene Chloride
Concen: 17.704 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	84	Resp	40028
Ion Ratio	Lower	Upper	
84	100		
49	129.6	99.3	148.9
51	37.8	30.1	45.1
86	62.5	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 17.944 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

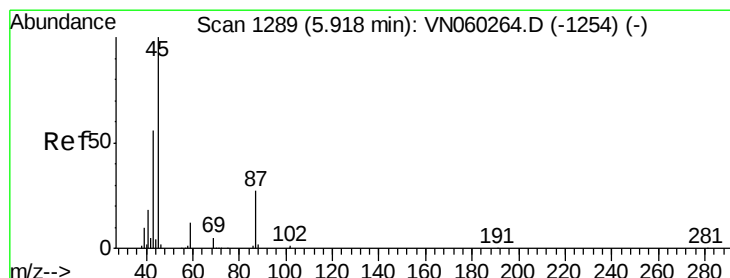
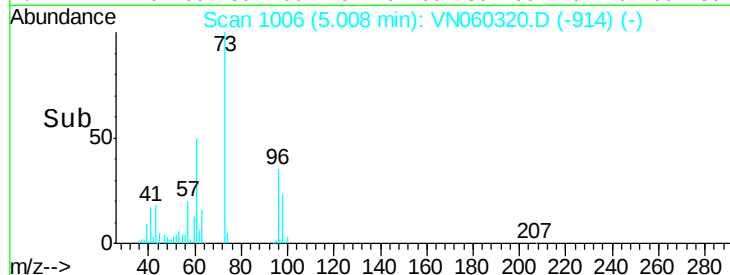
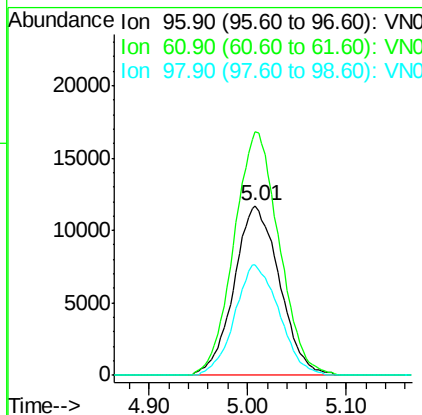
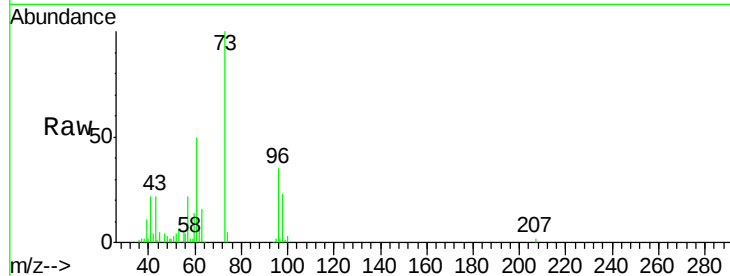
ClientSampled :

VN0303MBS01

Tot Ion:	96	Resp:	37364
Ion	Ratio	Lower	Upper
96	100		
61	143.7	113.8	170.8
98	65.3	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.763 ug/l

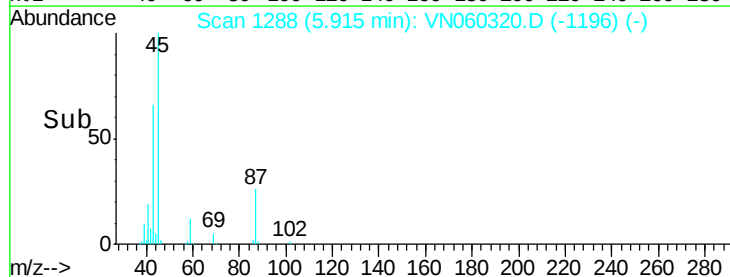
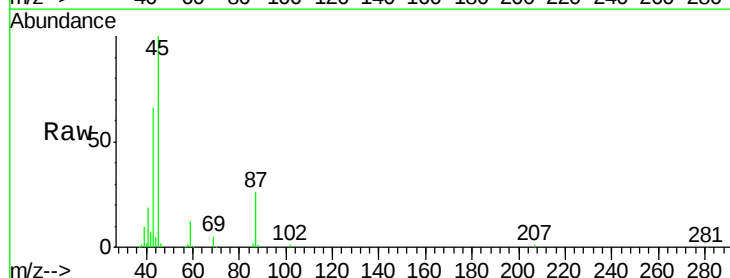
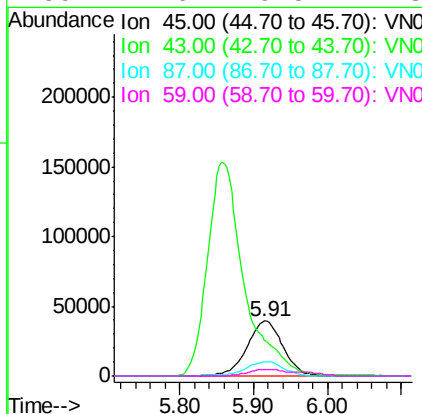
RT: 5.91 min Scan# 1288

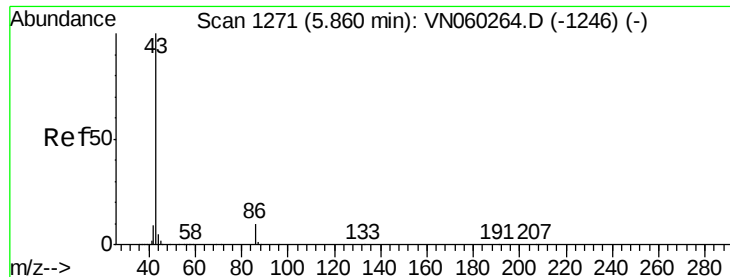
Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	45	Resp:	133776
Ion	Ratio	Lower	Upper
45	100		
43	64.8	48.6	72.8
87	25.9	22.2	33.2
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 93.794 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0303MBS01

Tot Ion: 43 Resp: 531386

Ion Ratio Lower Upper

43 100

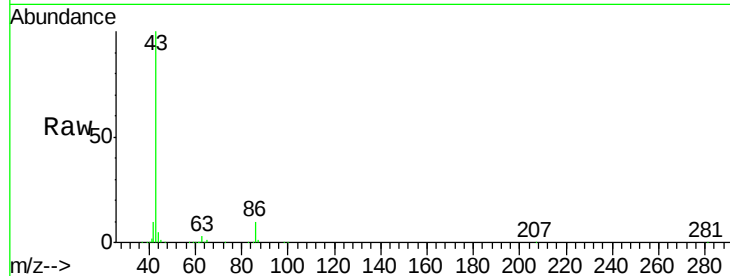
86 9.7 8.0 12.0

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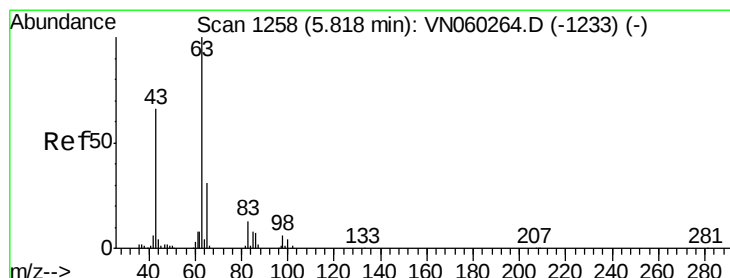
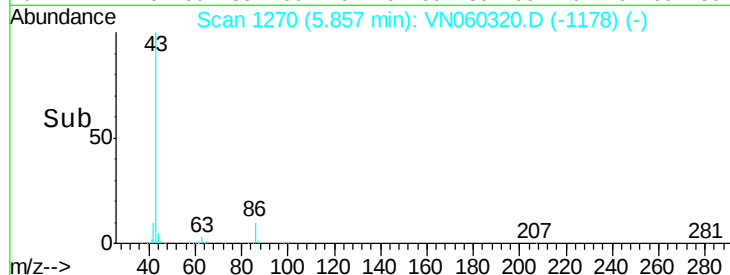
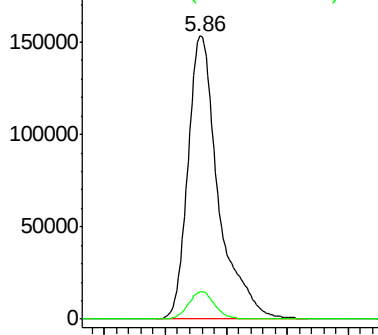
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.391 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

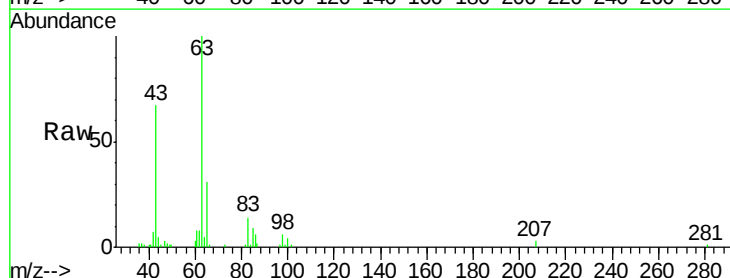
Tgt Ion: 63 Resp: 74225

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

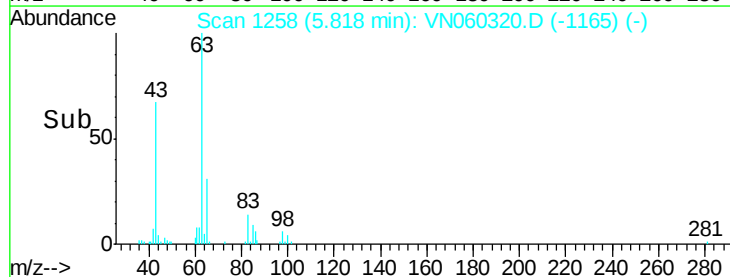
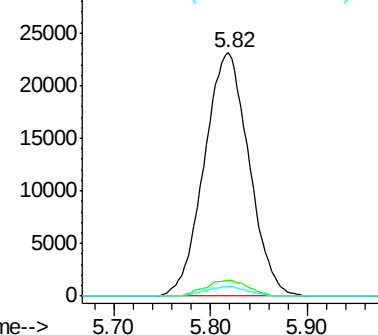
100 3.6 2.0 6.0

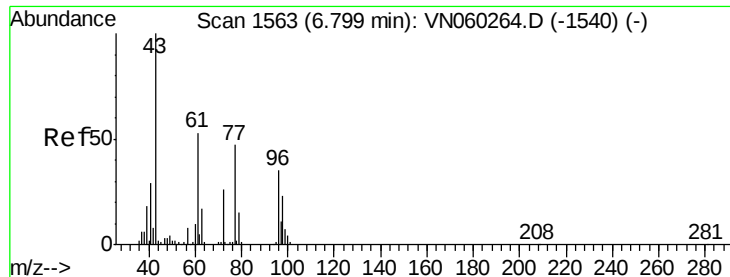


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.365 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0303MBS01

Tot Ion: 43 Resp: 121497

Ion Ratio Lower Upper

43 100

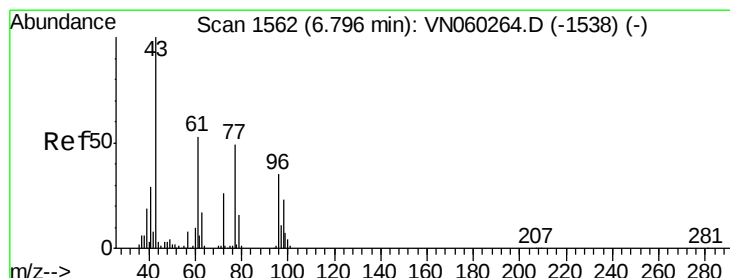
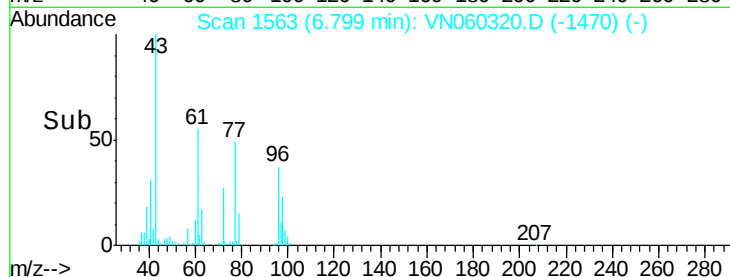
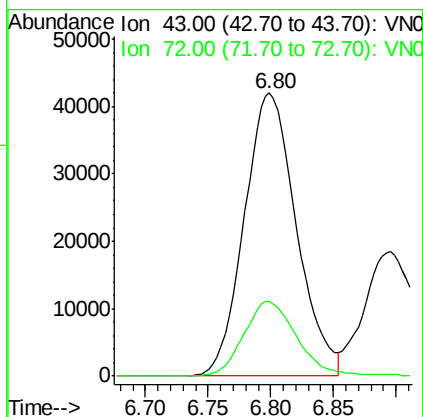
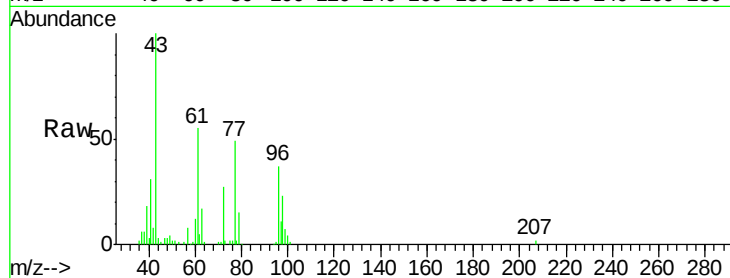
72 26.5 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.707 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060320.D

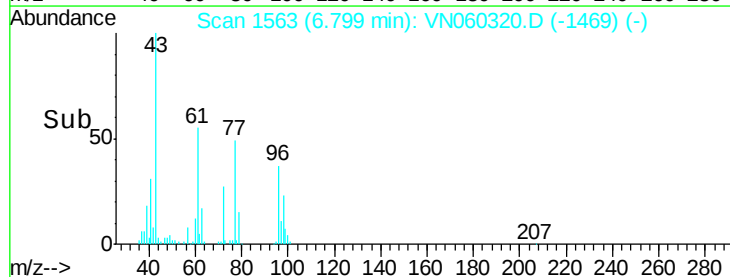
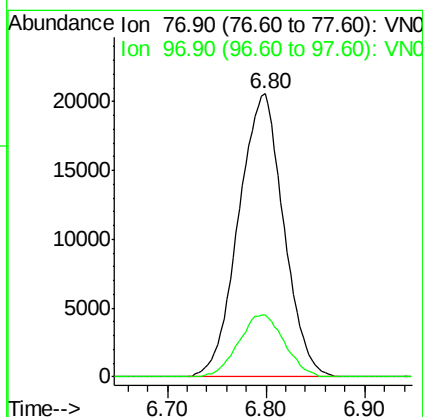
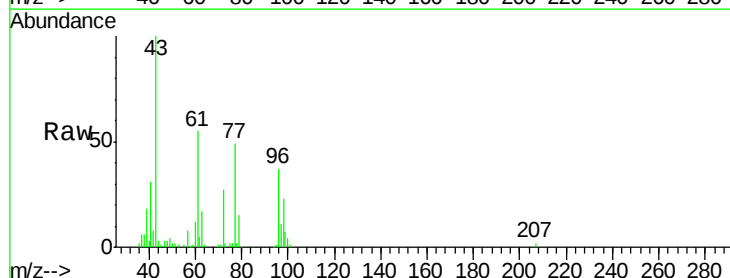
Acq: 3 Mar 2020 11:40

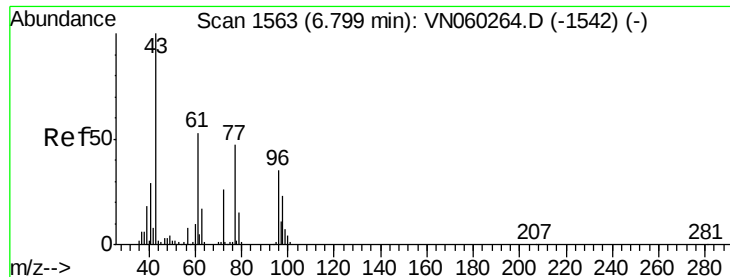
Tgt Ion: 77 Resp: 65059

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.285 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

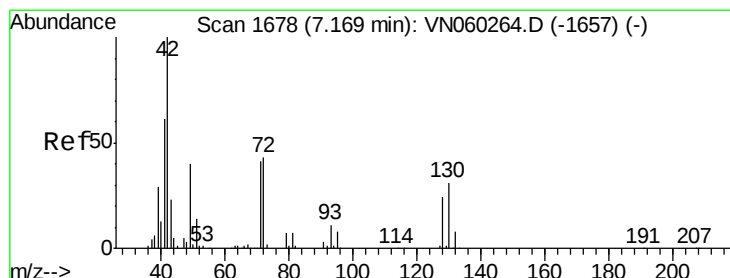
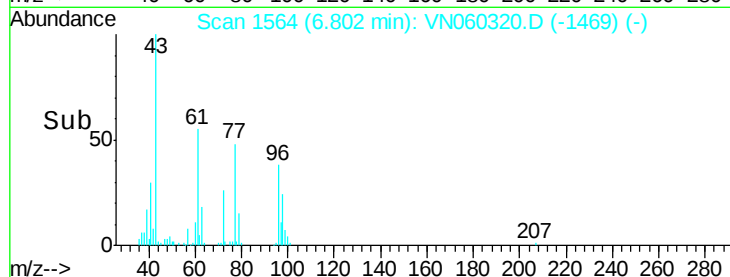
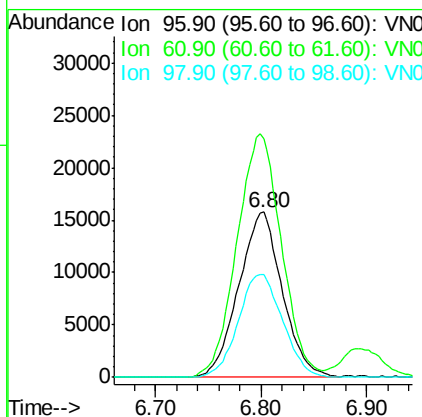
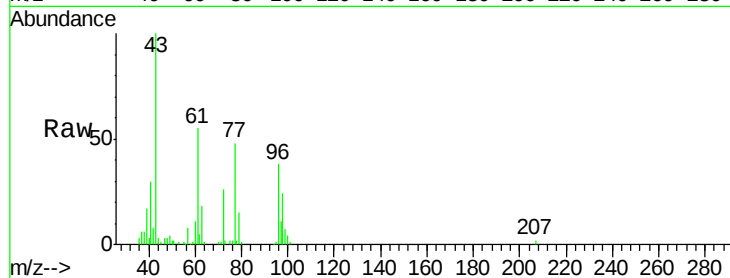
ClientSampled :

VN0303MBS01

Tot Ion:	96	Resp:	45317
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	300.8
98	63.1	0.0	128.2

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#28

Bromochloromethane

Concen: 18.754 ug/l

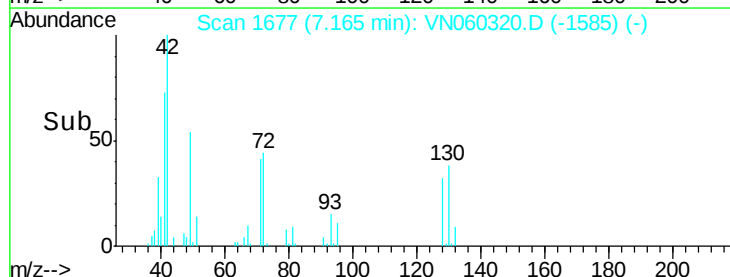
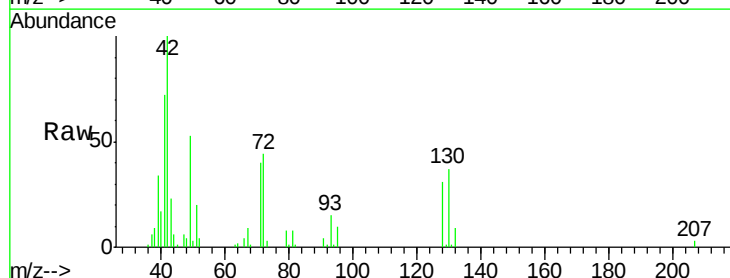
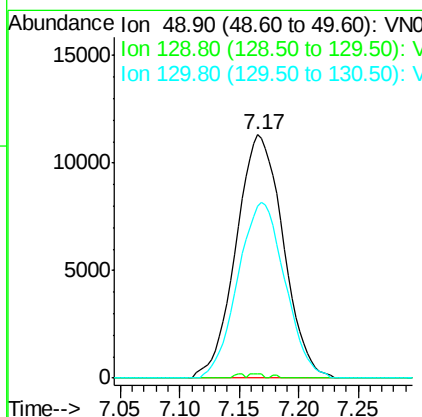
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	49	Resp:	31076
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	72.1	59.8	89.8





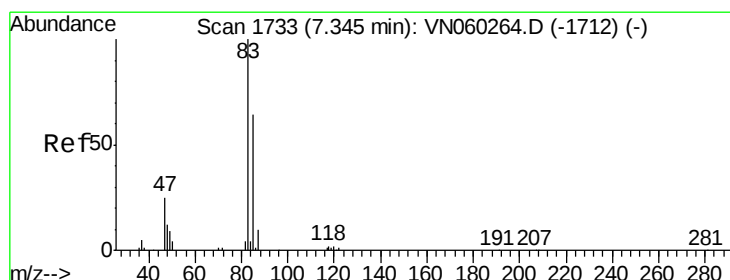
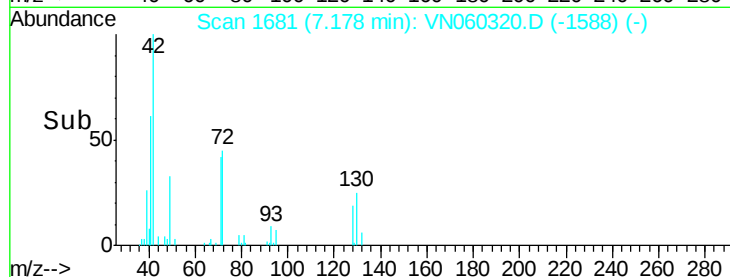
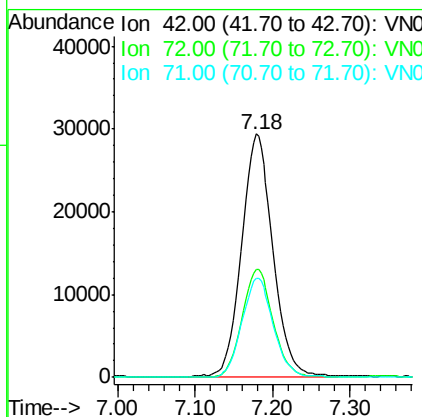
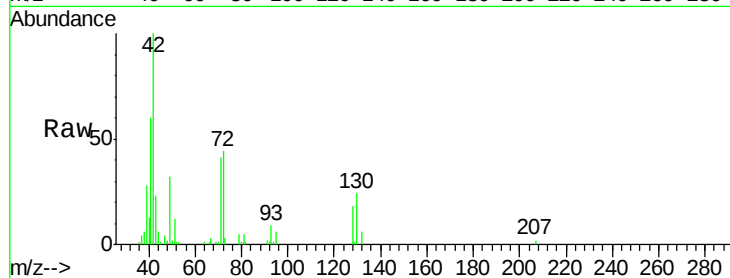
#29
Tetrahydrofuran
Concen: 89.880 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.6	52.0
71	40.6	32.9	49.3

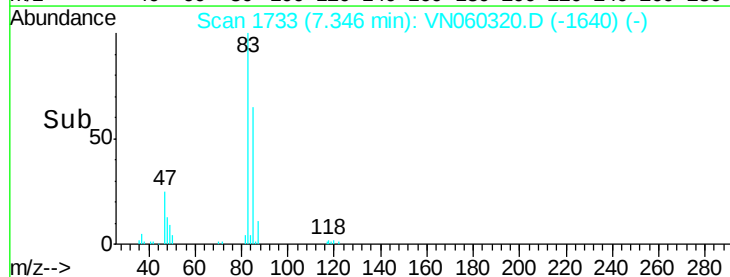
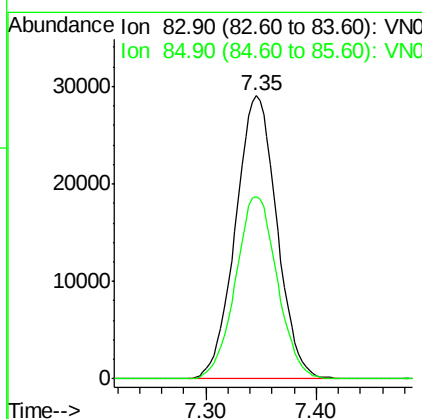
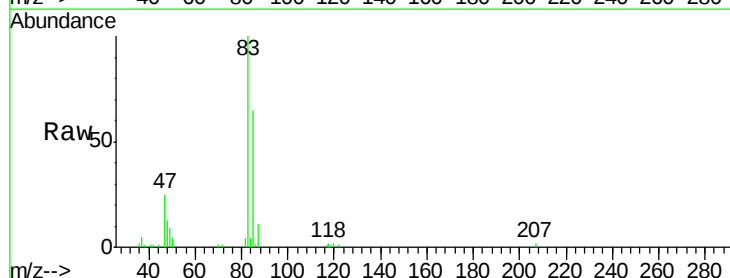
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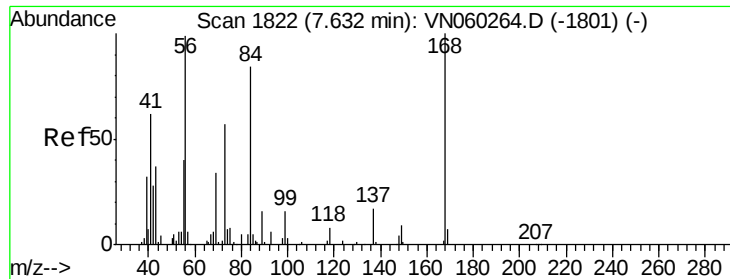
MMDadoda
3/4/2020 10:44:06 AM



#30
Chloroform
Concen: 18.773 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2





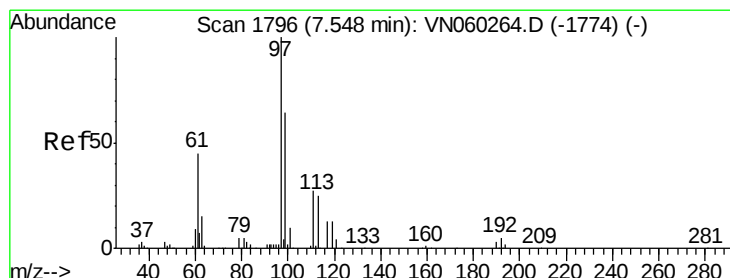
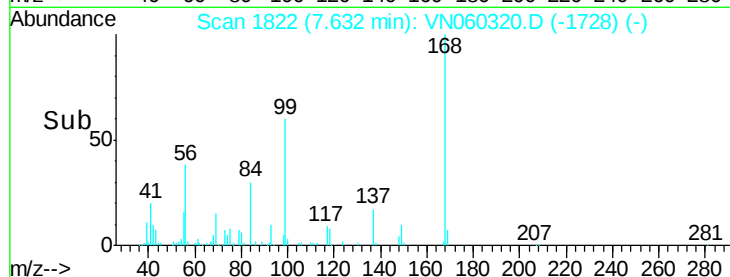
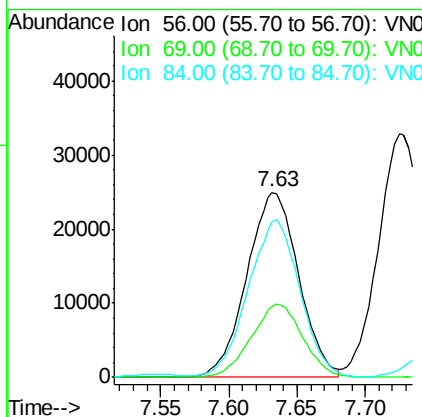
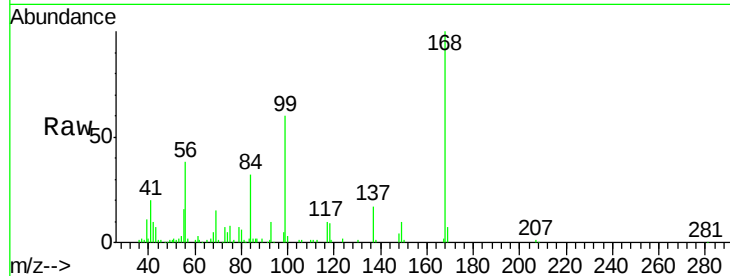
#31
Cyclohexane
Concen: 18.226 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	27.2	40.8
84	82.8	66.7	100.1

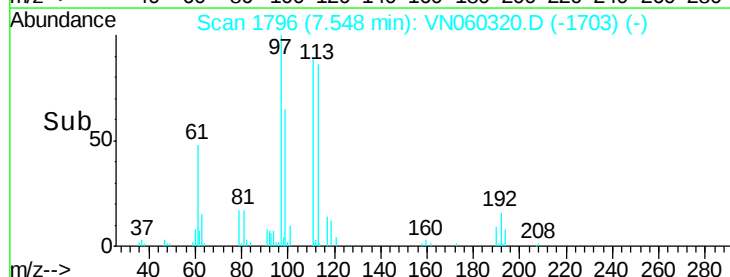
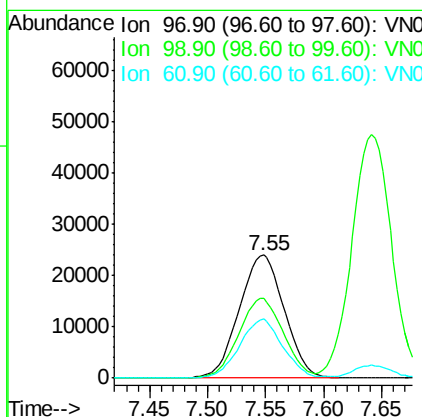
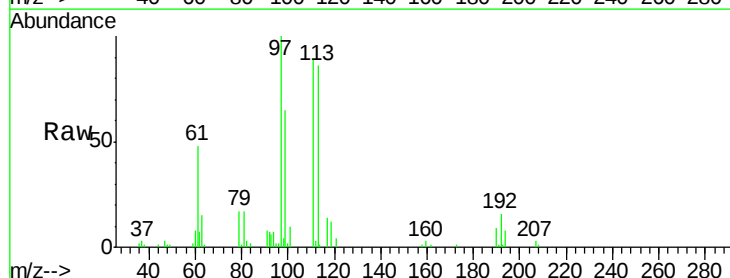
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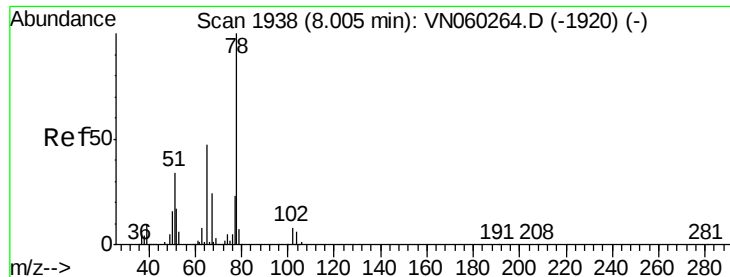
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#32
1,1,1-Trichloroethane
Concen: 18.225 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	46.1	36.6	55.0





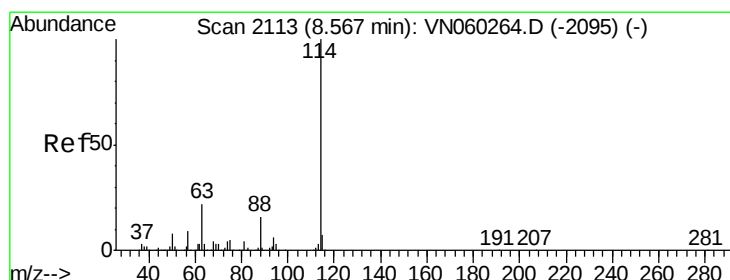
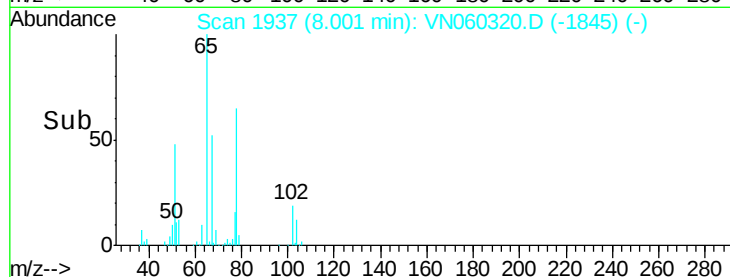
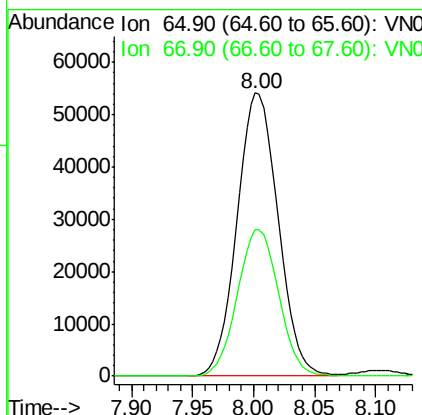
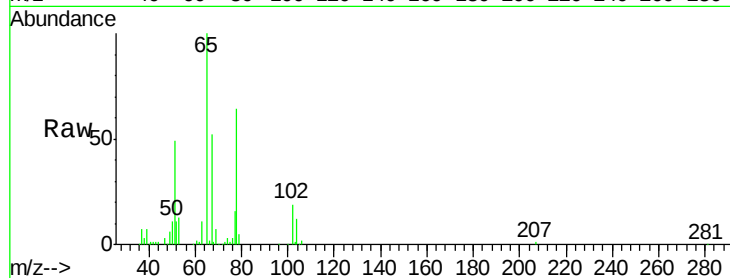
#33
 1,2-Dichloroethane-d4
 Concen: 49.552 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	103.8	

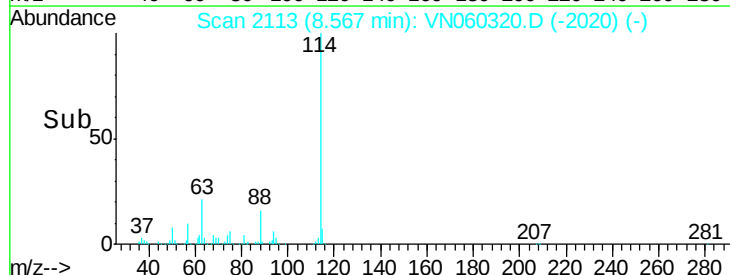
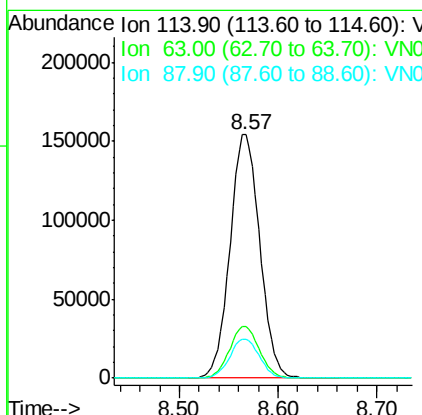
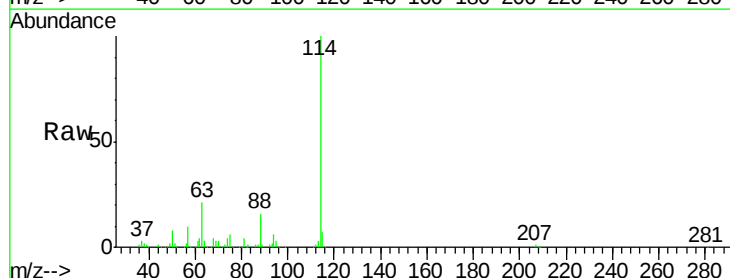
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	43.2	
88	16.1	0.0	31.6	





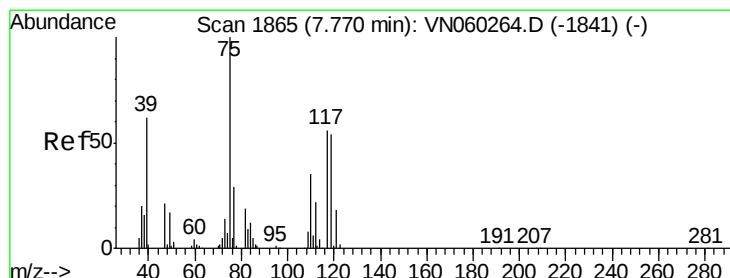
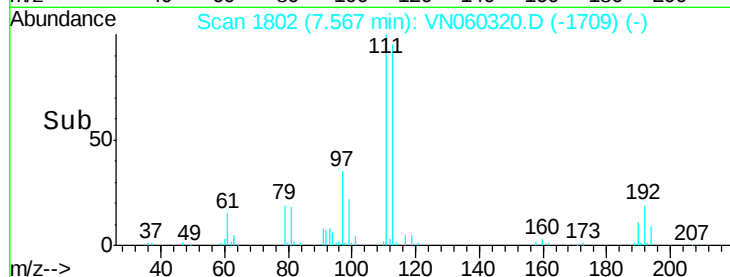
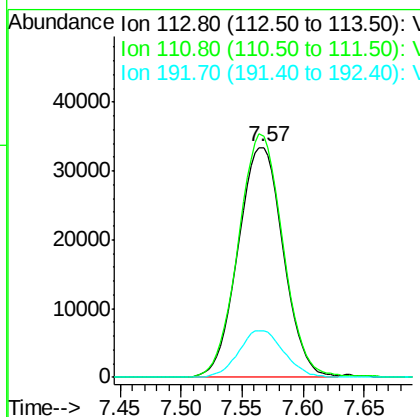
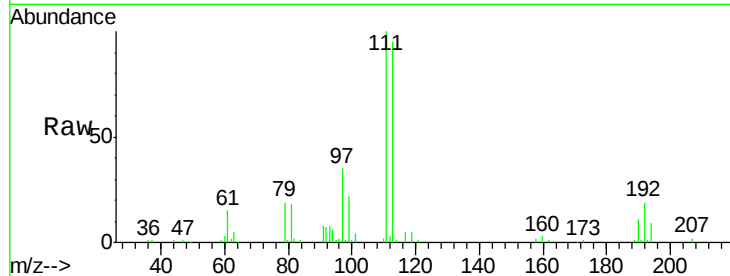
#35
Dibromofluoromethane
Concen: 57.003 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.4	123.6
192	20.2	16.2	24.2

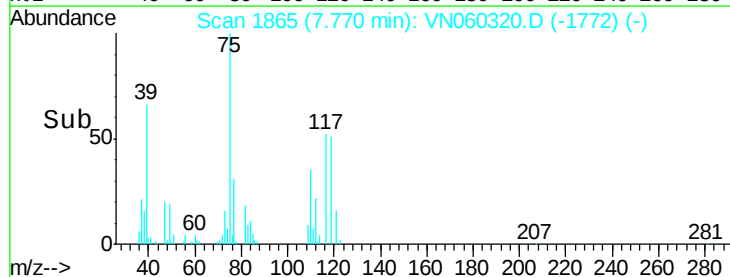
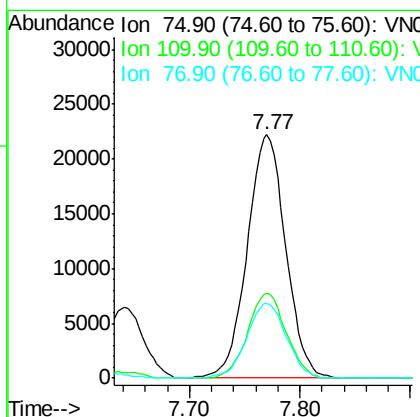
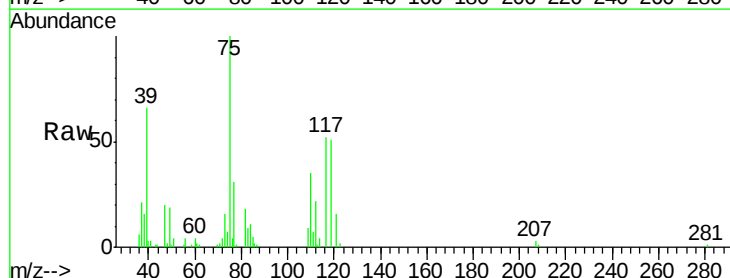
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 17.322 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	31.6	24.2	36.2





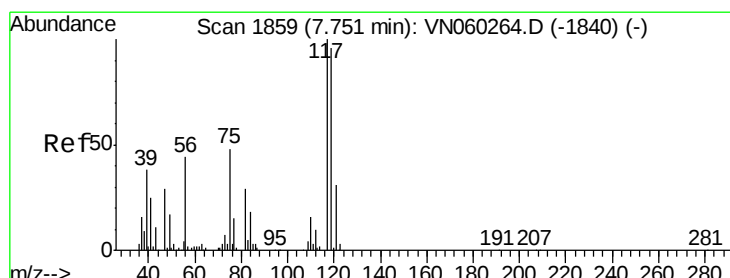
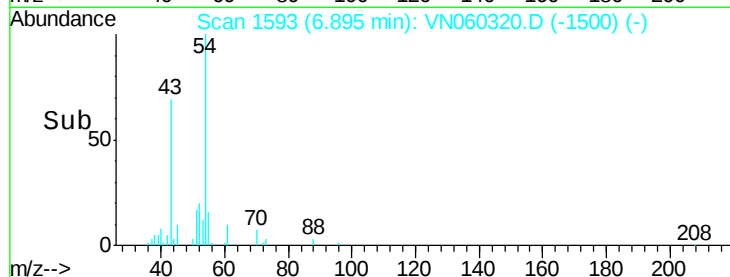
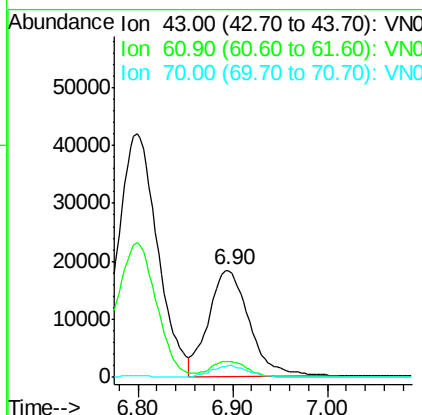
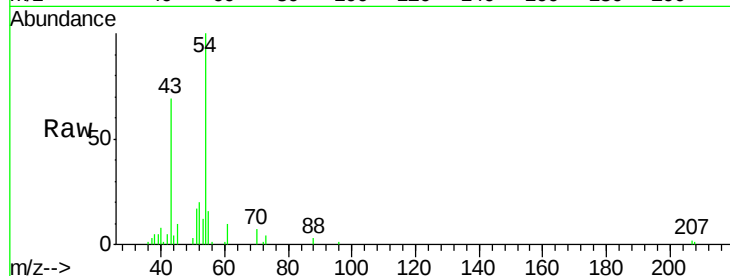
#37
Ethyl Acetate
Concen: 18.793 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	9.8	8.4	12.6

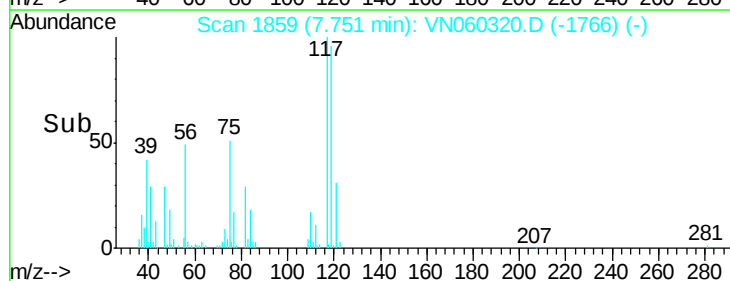
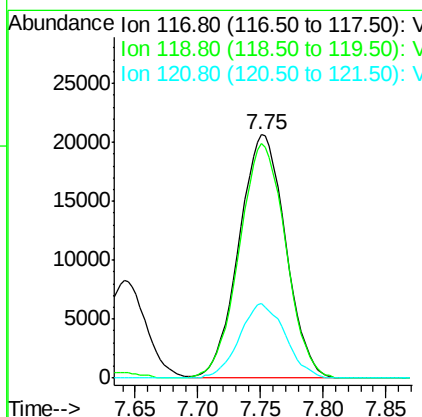
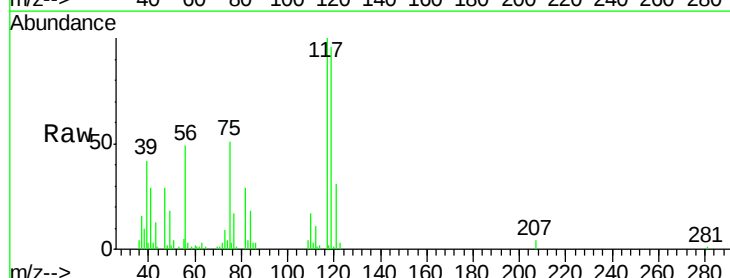
Manual Integrations
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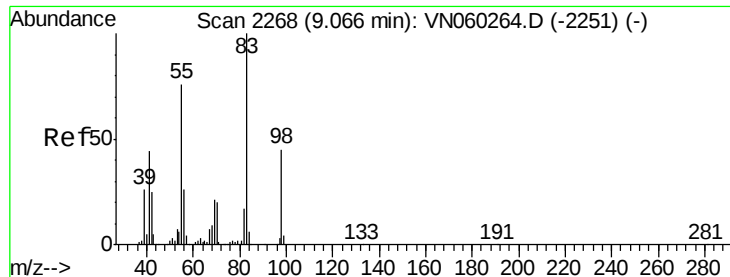
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#38
Carbon Tetrachloride
Concen: 17.722 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.7	115.1
121	30.5	24.5	36.7





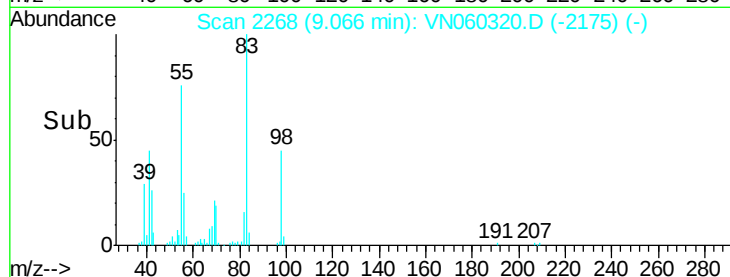
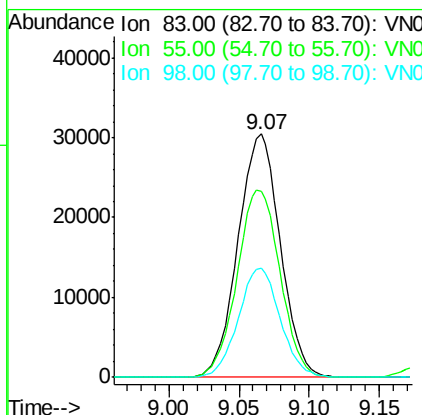
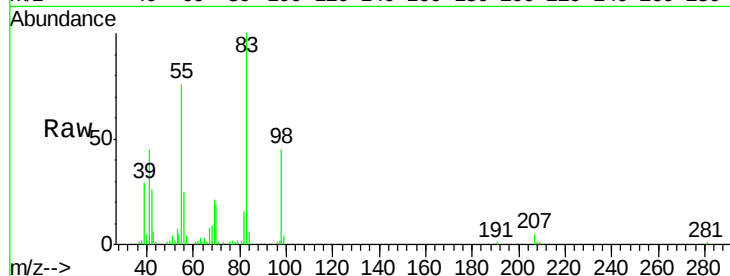
#39
Methvlcvclohexane
Concen: 17.529 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.0	91.4
98	44.7	36.1	54.1

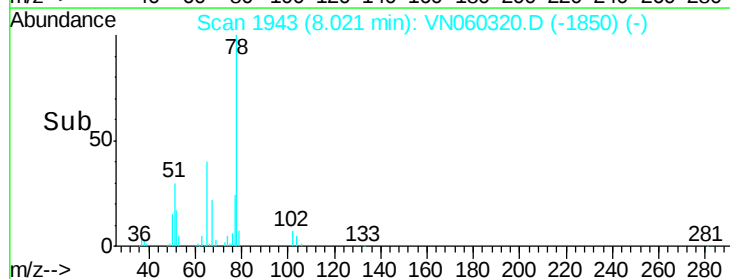
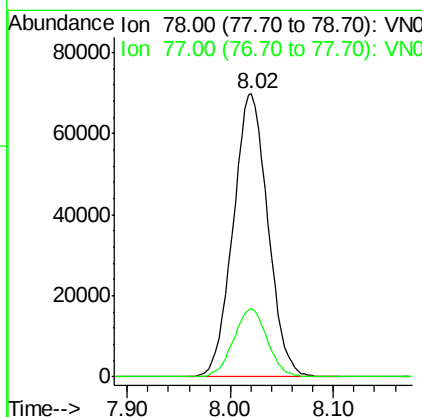
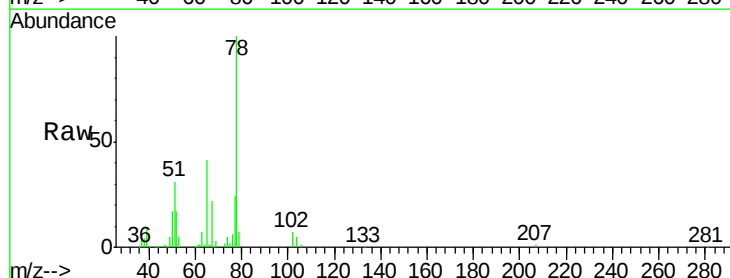
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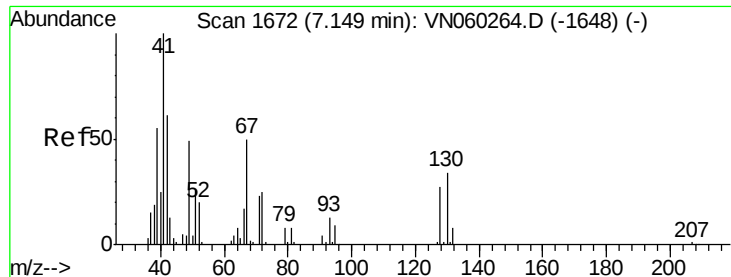
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#40
Benzene
Concen: 18.133 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





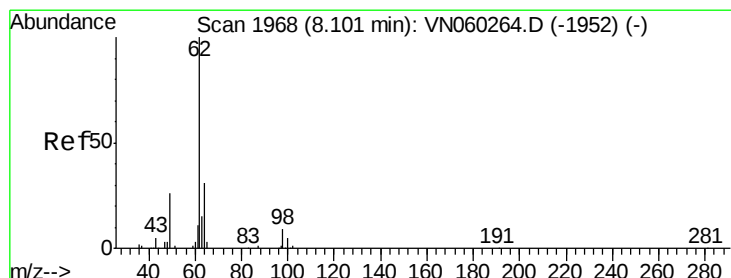
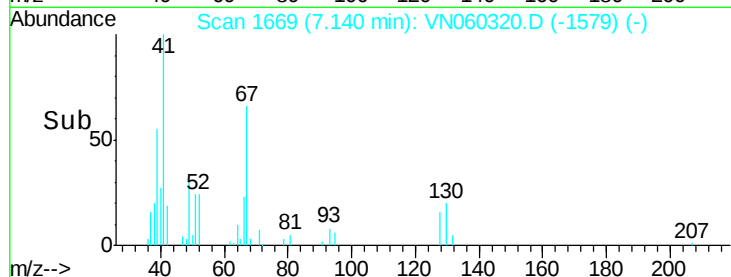
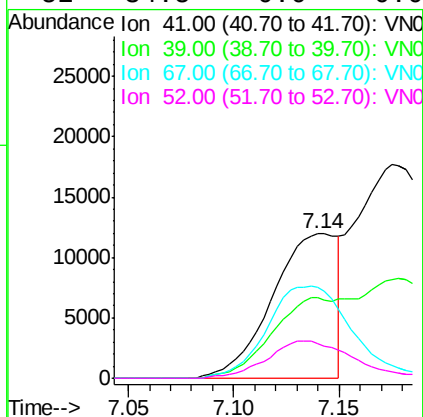
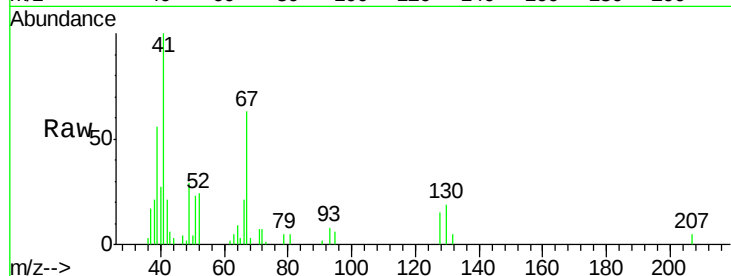
#41
Methacrylonitrile
Concen: 18.935 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.4	0.0	0.0#
67	83.5	0.0	0.0#
52	34.5	0.0	0.0#

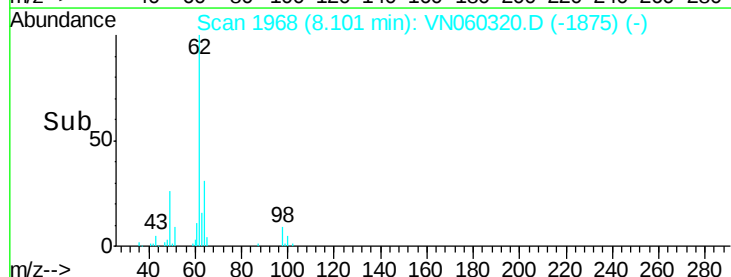
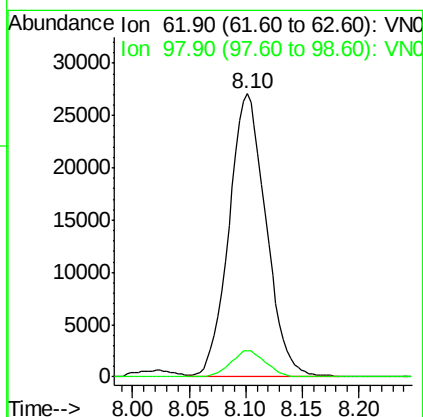
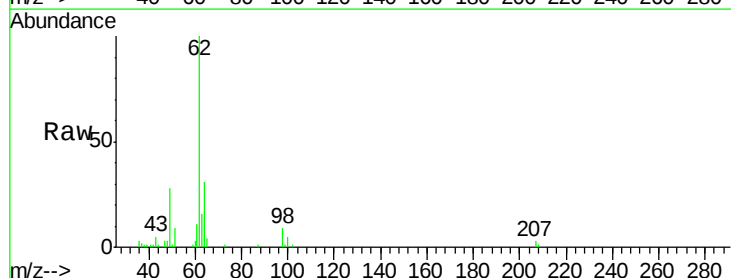
Manual Integrations
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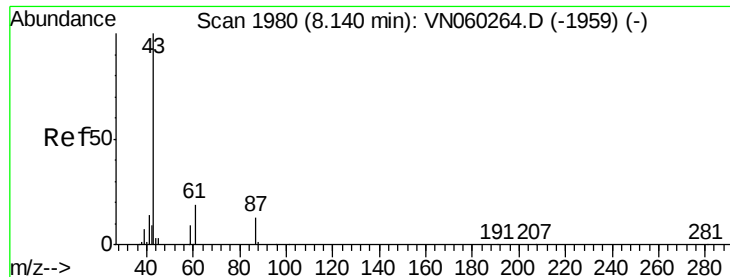
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#42
1,2-Dichloroethane
Concen: 19.005 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.628 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

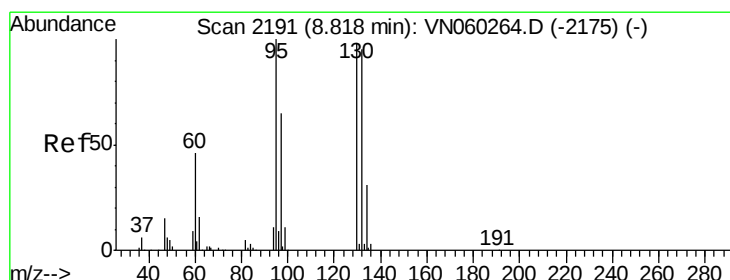
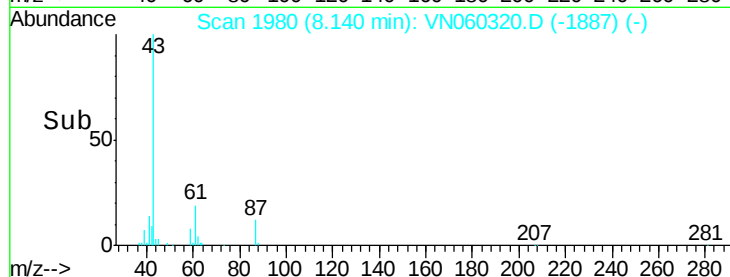
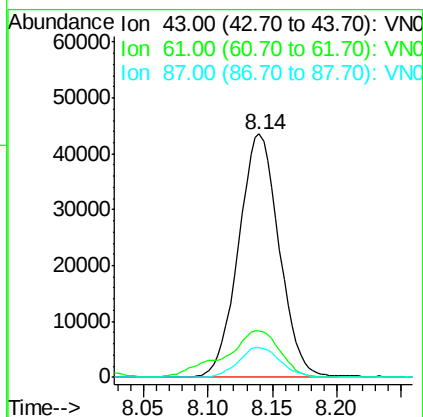
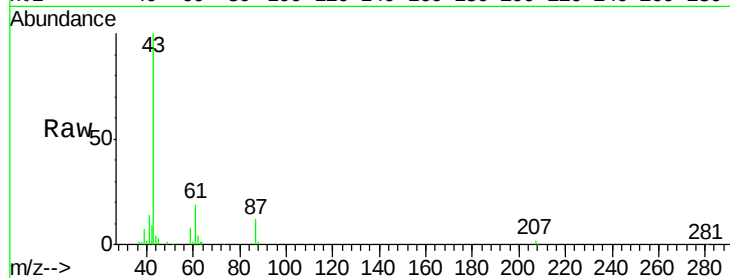
ClientSampleId :

VN0303MBS01

Tot Ion:	43	Resp:	95557
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	12.6	10.6	16.0

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#44

Trichloroethene

Concen: 17.781 ug/l

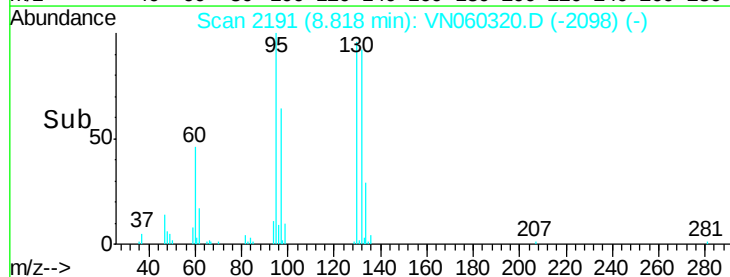
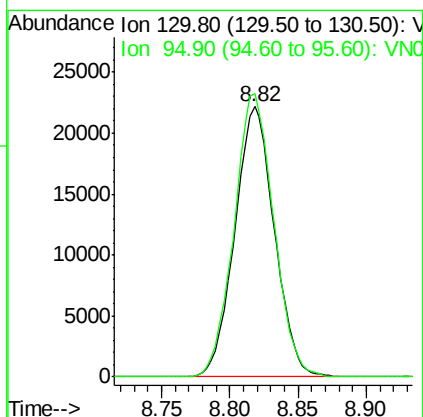
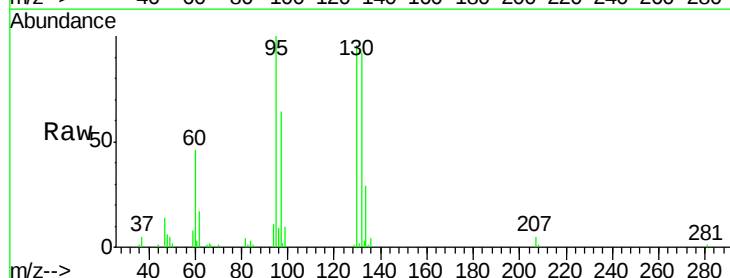
RT: 8.82 min Scan# 2191

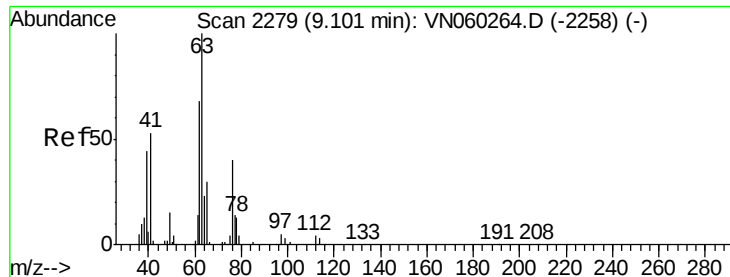
Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	130	Resp:	44602
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	203.4





#45

1,2-Dichloropropane

Concen: 18.896 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0303MBS01

Tot Ion: 63 Resp: 44497

Ion Ratio Lower Upper

63 100

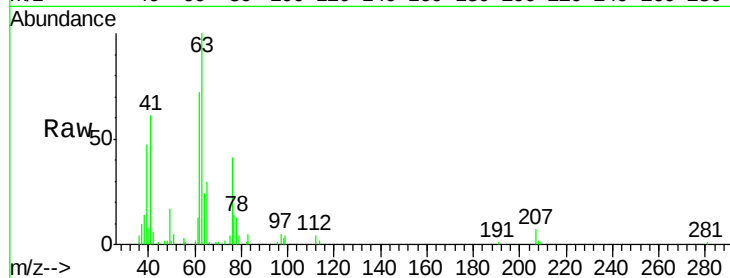
65 30.5 24.4 36.6

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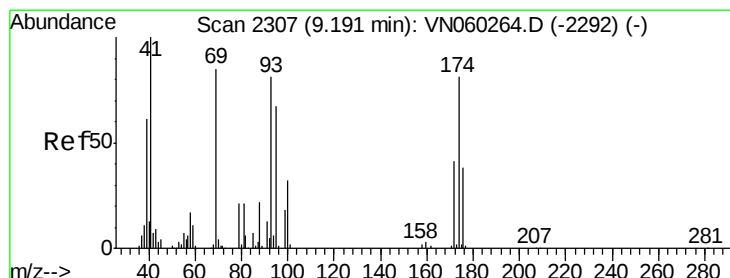
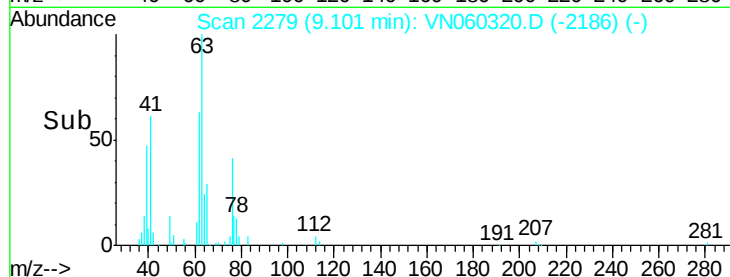
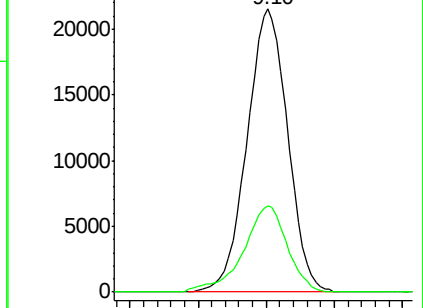
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Abundance Ion 62.90 (62.60 to 63.60): VN060320.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060320.D (-2186) (-)



#46

Dibromomethane

Concen: 18.406 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

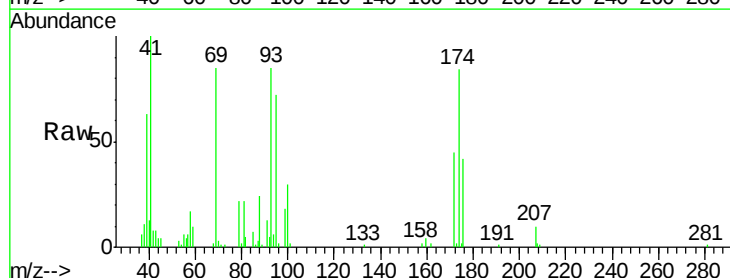
Tgt Ion: 93 Resp: 28123

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

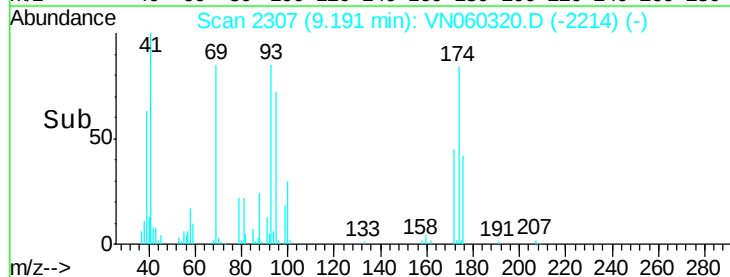
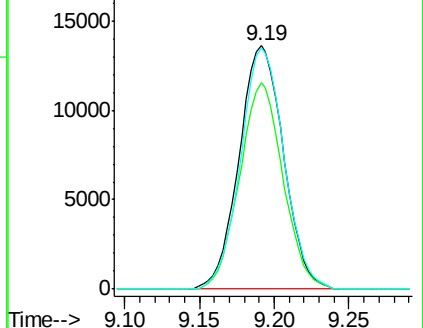
174 97.1 79.6 119.4

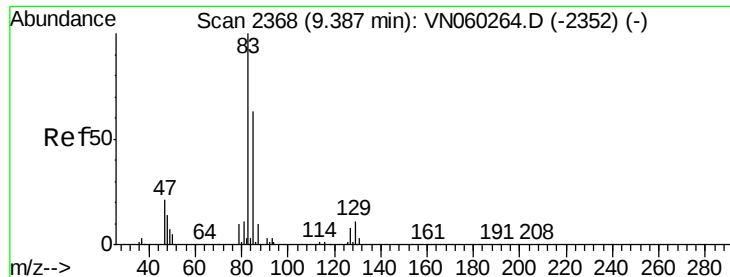


Abundance Ion 92.80 (92.50 to 93.50): VN060320.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060320.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060320.D (-2214) (-)





#47

Bromodichloromethane

Concen: 19.116 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

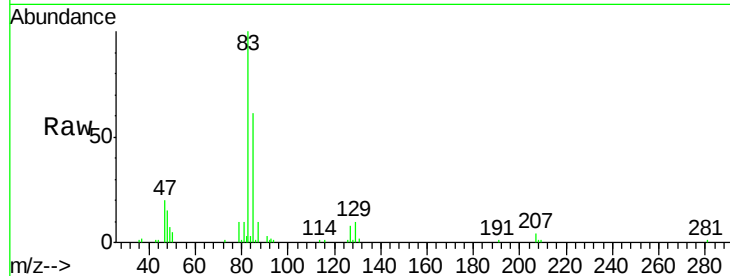
ClientSampleId :

VN0303MBS01

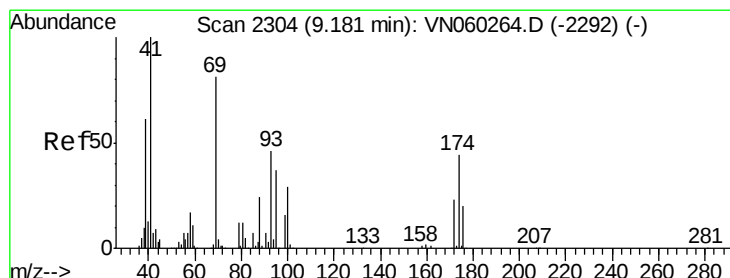
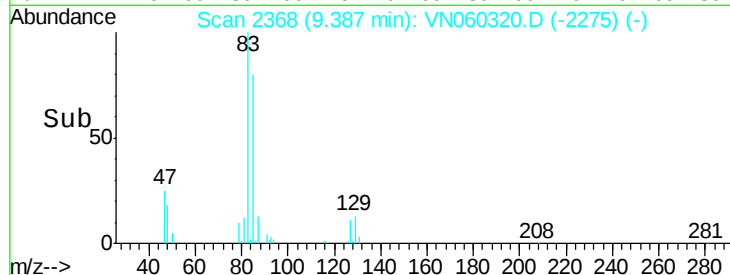
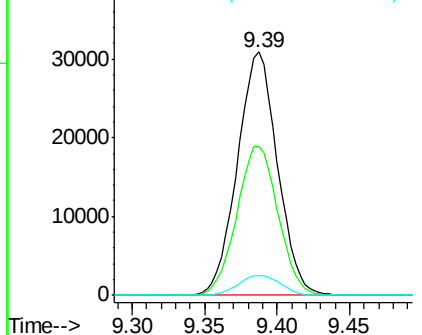
Tot Ion:	83	Resp:	59406
Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.7	76.1
127	8.3	6.8	10.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060320.D (-2275) (-)



#48

Methyl methacrylate

Concen: 17.880 ug/l

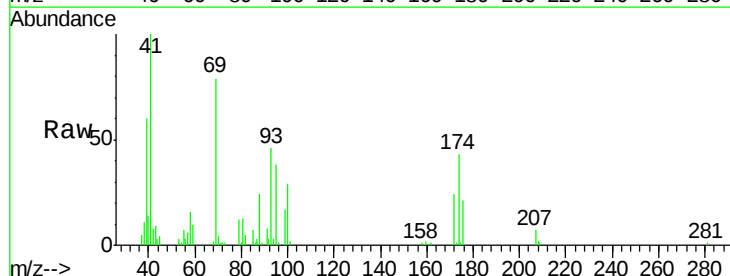
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

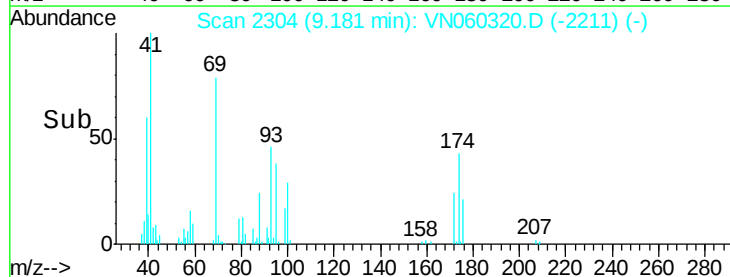
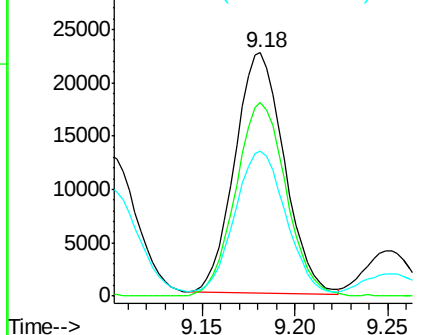
Lab File: VN060320.D

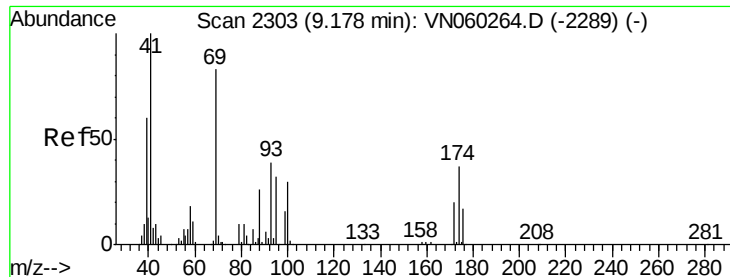
Acq: 3 Mar 2020 11:40

Tgt Ion:	41	Resp:	41825
Ion	Ratio	Lower	Upper
41	100		
69	82.1	66.7	100.1
39	60.3	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060320.D (-2211) (-)





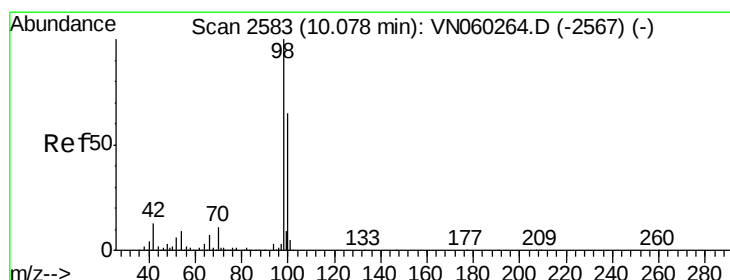
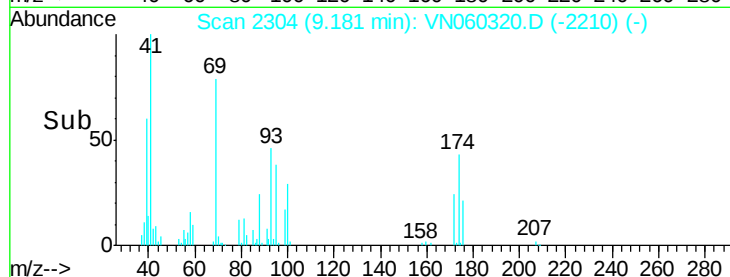
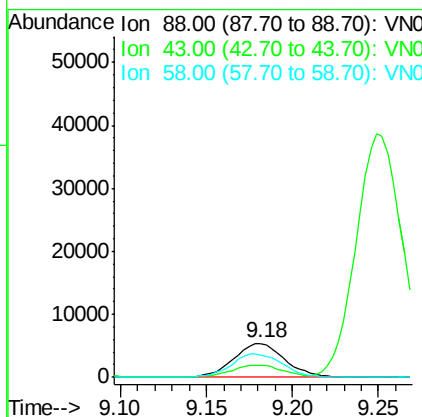
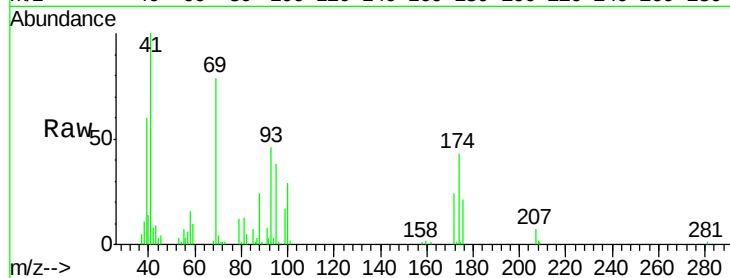
#49
1,4-Dioxane
Concen: 332.391 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	88	Resp	10934
Ion Ratio	Lower	Upper	
88	100		
43	36.8	30.4	45.6
58	69.5	57.0	85.6

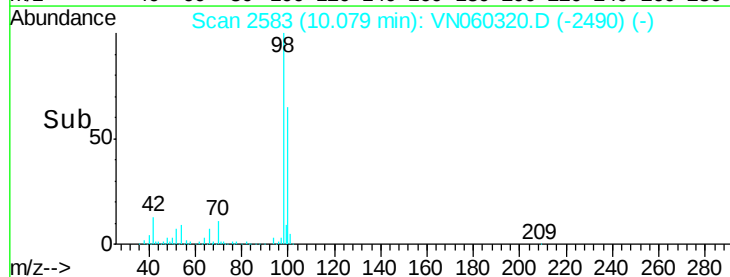
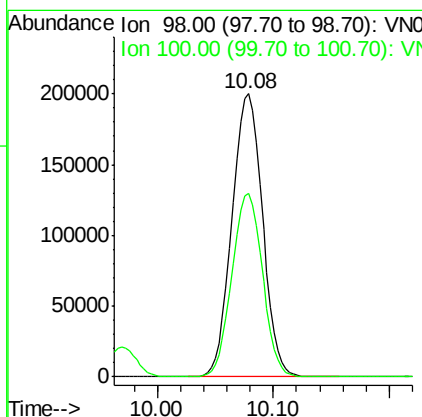
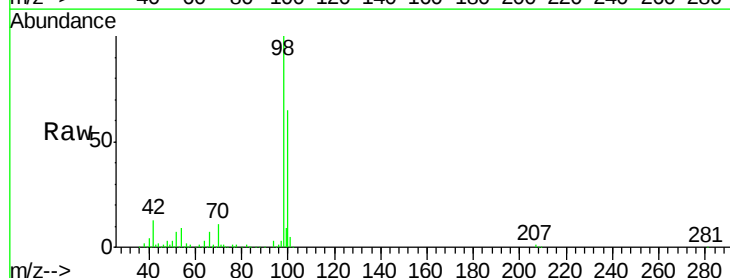
Manual Integrations
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#50
Toluene-d8
Concen: 47.793 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	98	Resp	364550
Ion Ratio	Lower	Upper	
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 91.886 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0303MBS01

Tot Ion: 43 Resp: 267241

Ion Ratio Lower Upper

43 100

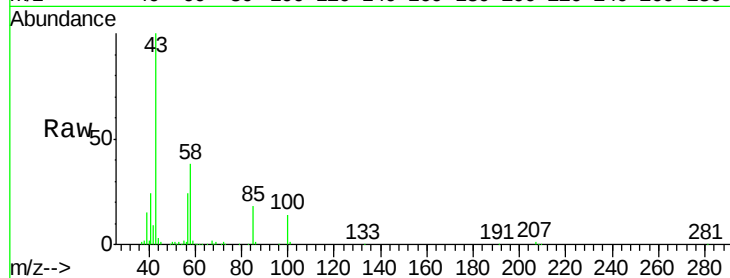
58 37.9 30.9 46.3

Manual Integrations

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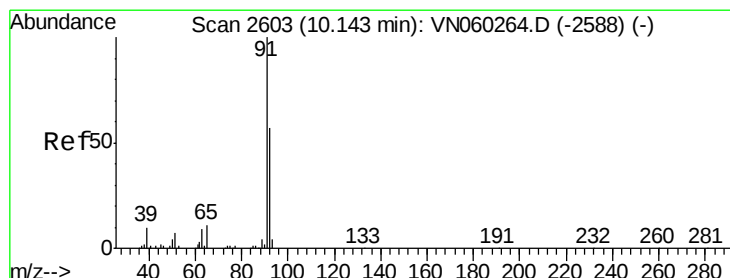
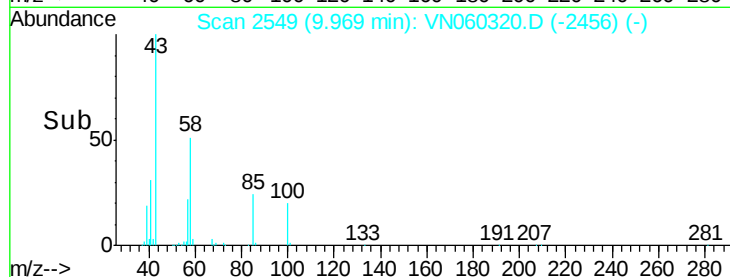
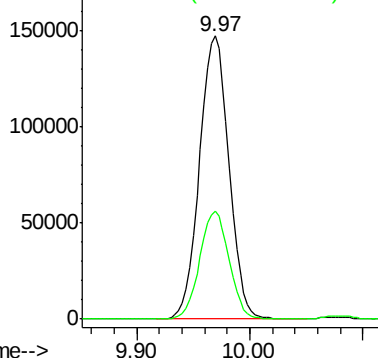
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.840 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060320.D

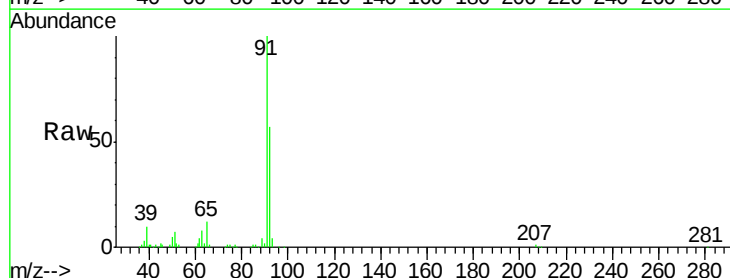
Acq: 3 Mar 2020 11:40

Tgt Ion: 92 Resp: 100930

Ion Ratio Lower Upper

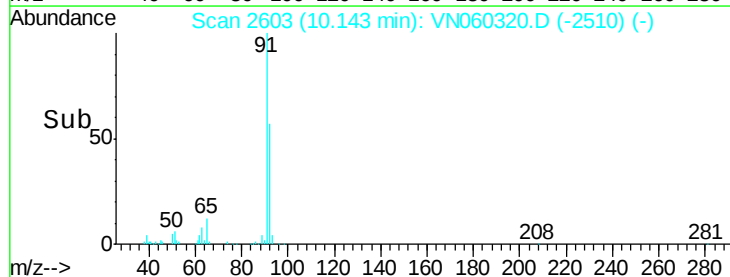
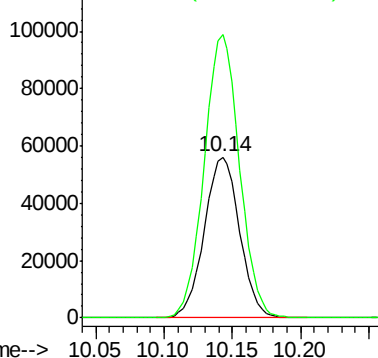
92 100

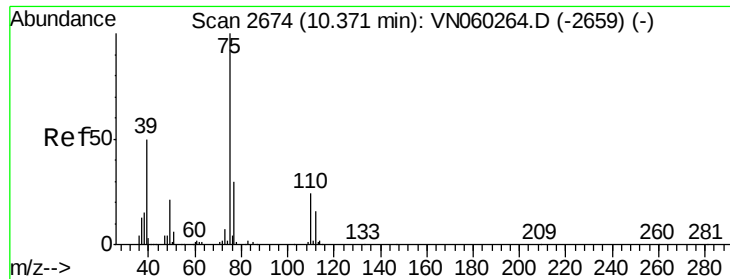
91 175.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





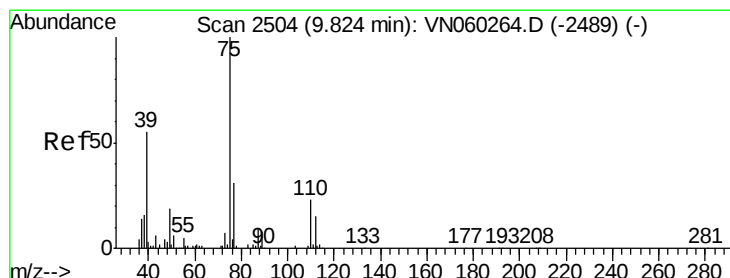
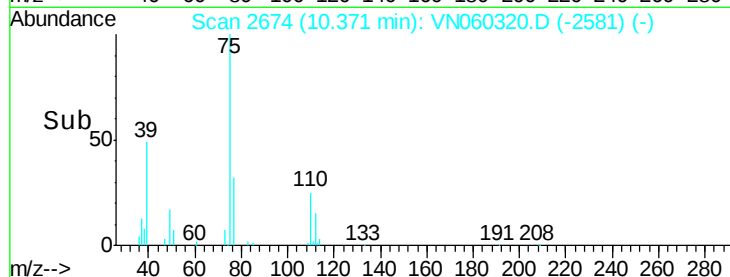
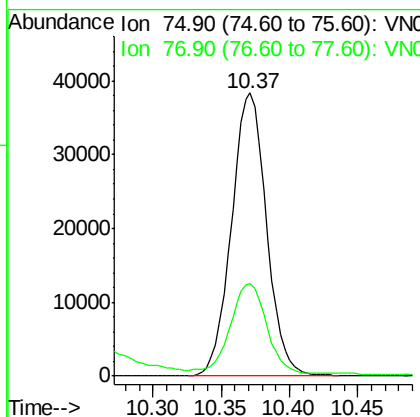
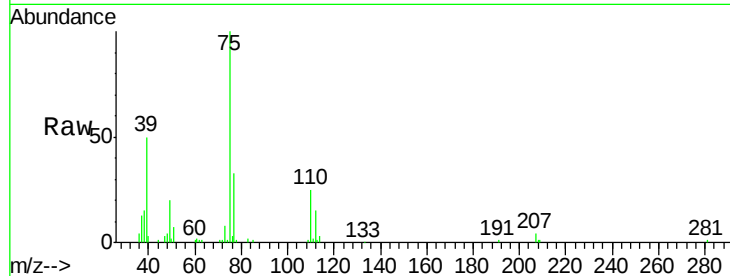
#53
t-1,3-Dichloropropene
Concen: 17.971 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

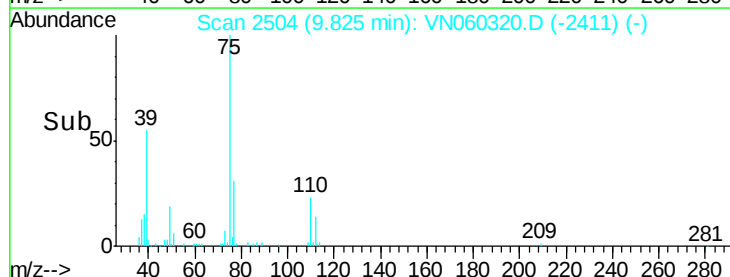
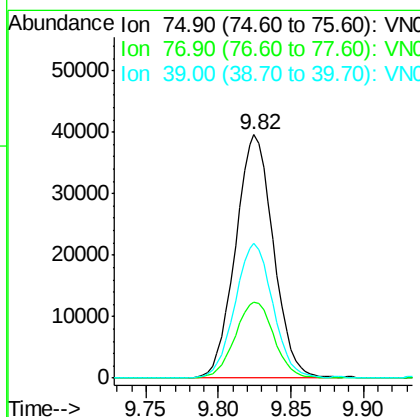
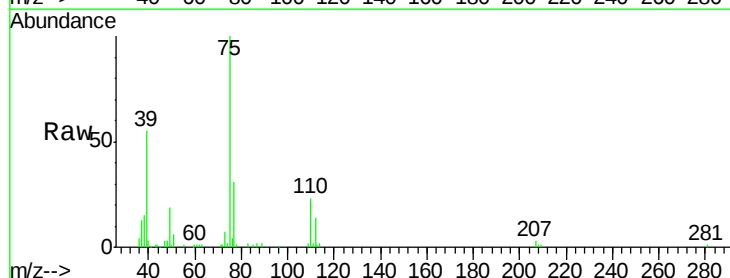
Manual Integrations
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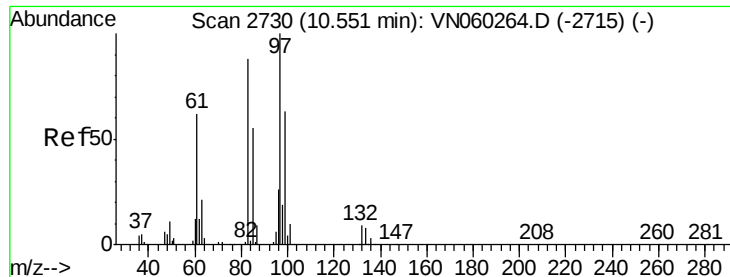
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#54
cis-1,3-Dichloropropene
Concen: 18.261 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2
39	55.1	43.8	65.8





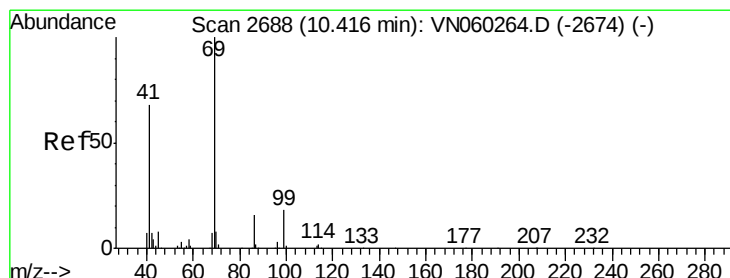
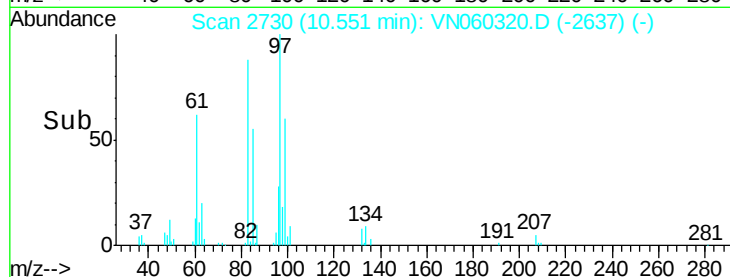
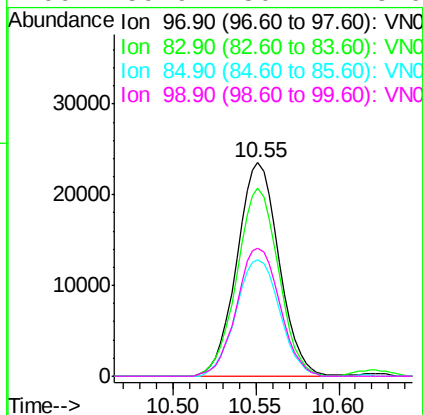
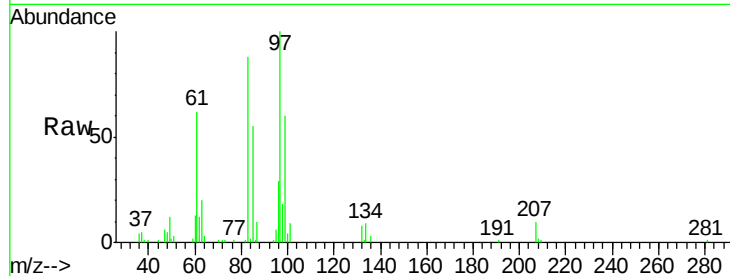
#55
 1,1,2-Trichloroethane
 Concen: 18.355 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303MBS01

Tot Ion:	97	Resp:	41761
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.0	105.0
85	54.7	44.0	66.0
99	59.9	50.4	75.6

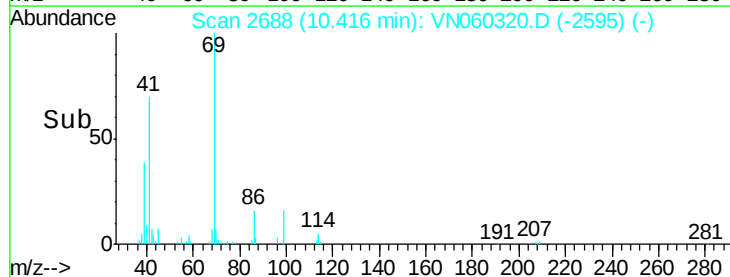
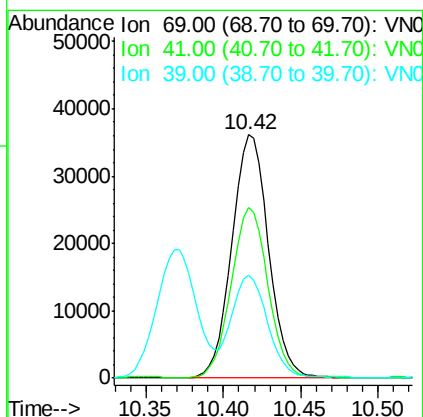
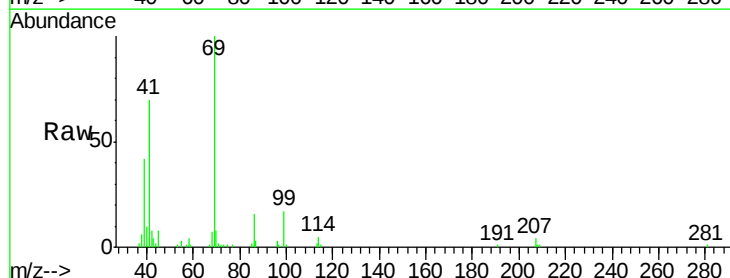
Manual Integrations
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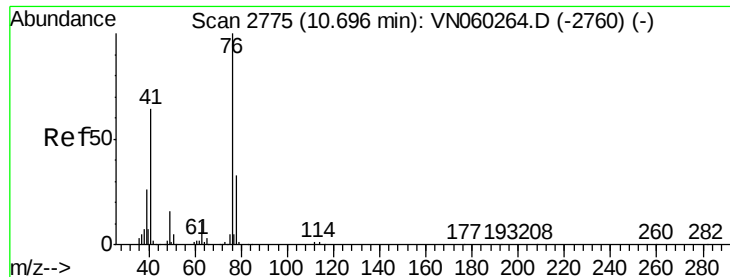
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#56
 Ethyl methacrylate
 Concen: 18.221 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion:	69	Resp:	59559
Ion	Ratio	Lower	Upper
69	100		
41	70.5	54.1	81.1
39	41.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.160 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0303MBS01

Tot Ion: 76 Resp: 71092

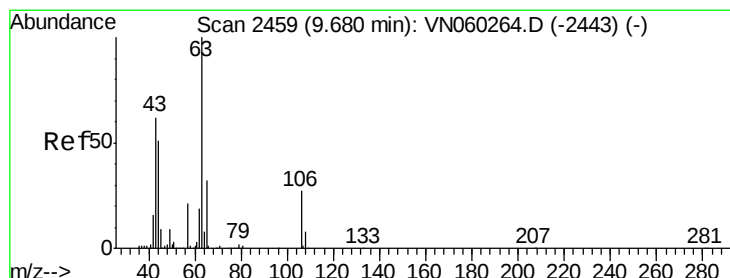
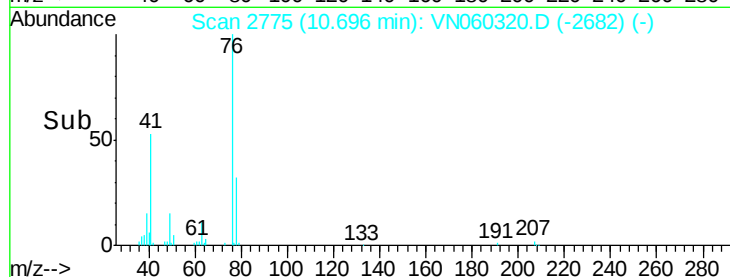
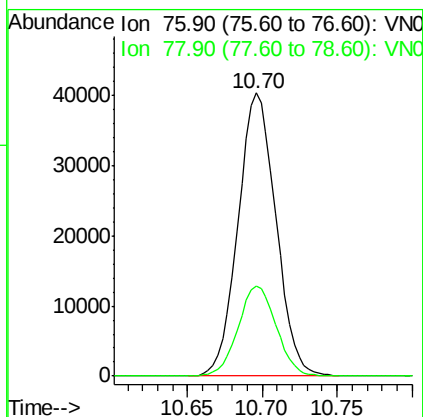
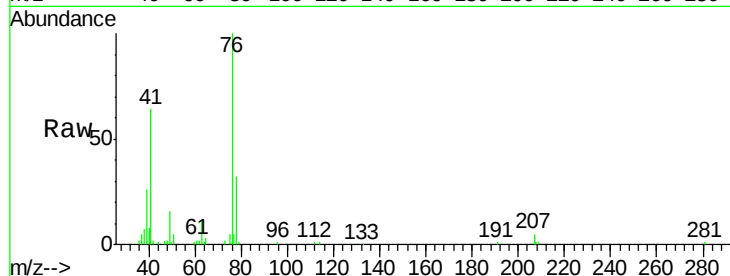
Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 87.839 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060320.D

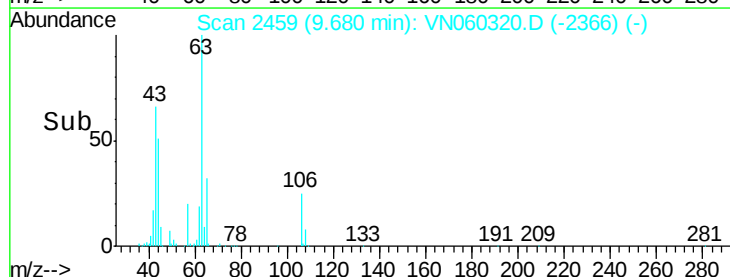
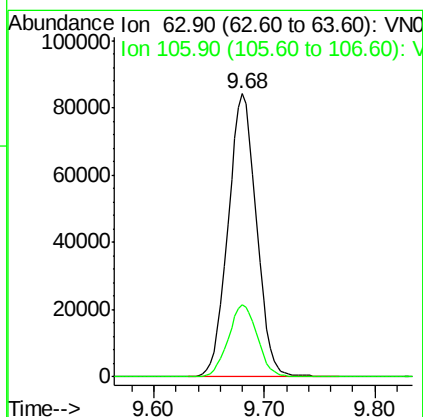
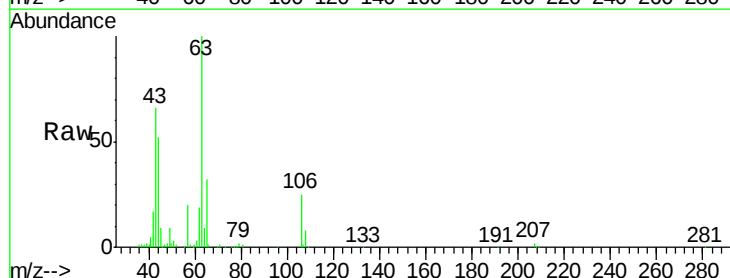
Acq: 3 Mar 2020 11:40

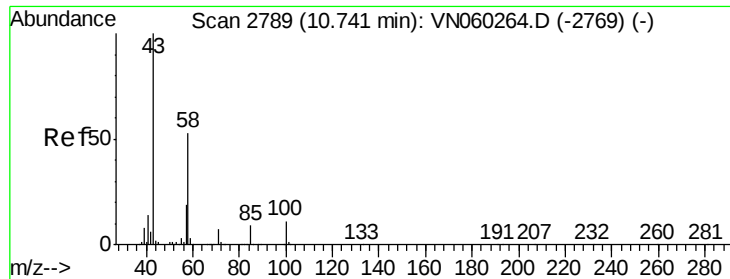
Tgt Ion: 63 Resp: 150164

Ion Ratio Lower Upper

63 100

106 26.0 21.1 31.7





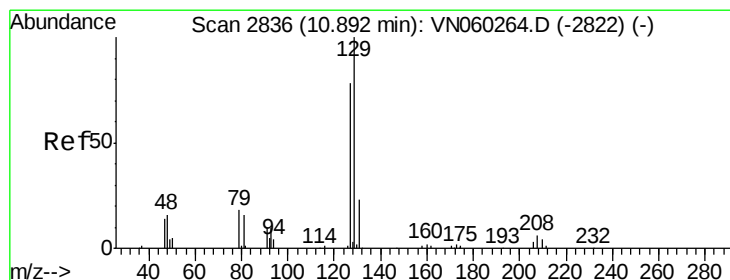
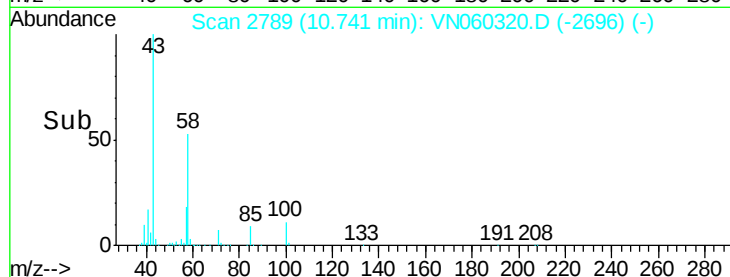
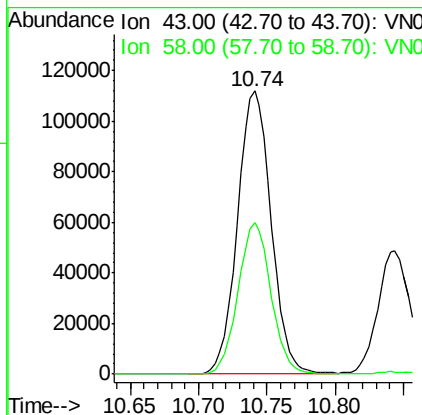
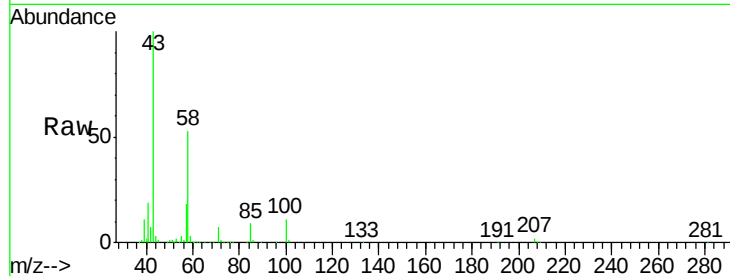
#59
2-Hexanone
Concen: 89.725 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	43	Resp	191600
Ion Ratio	43	100	
Lower	58	52.6	26.5
Upper			79.5

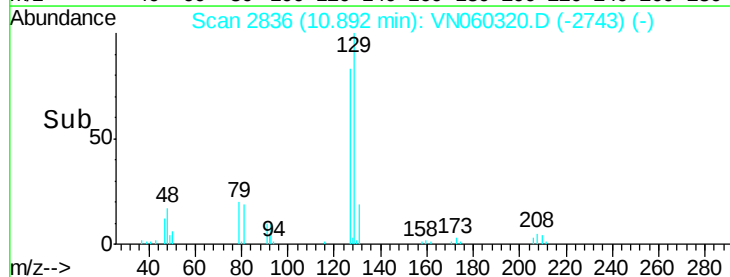
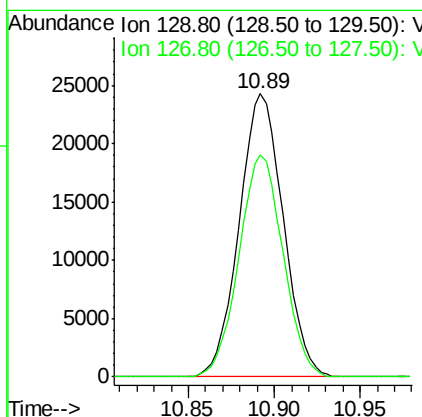
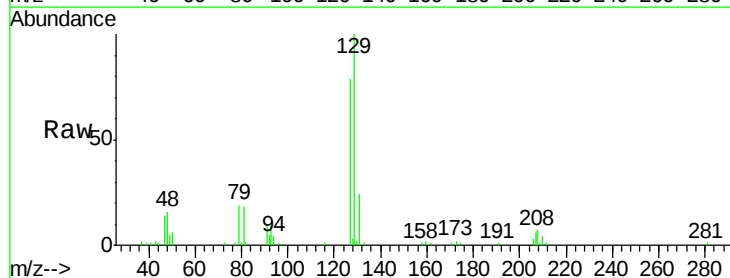
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.638 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	129	Resp	43124
Ion Ratio	129	100	
Lower	127	78.5	38.9
Upper			116.7





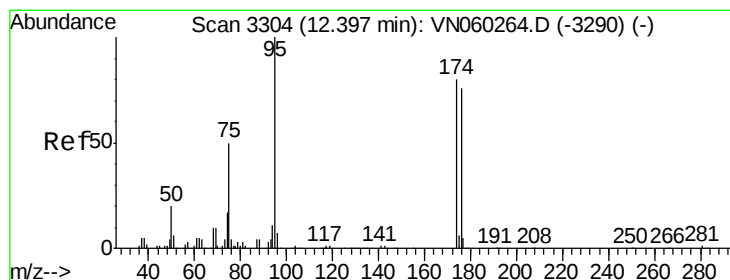
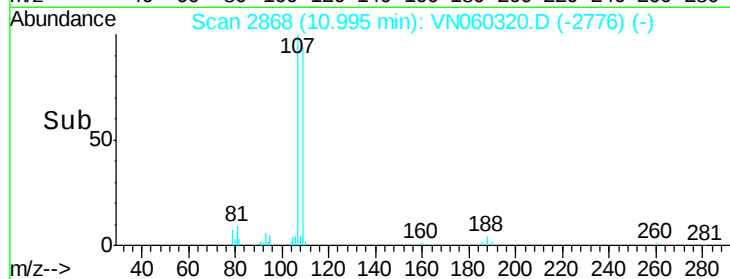
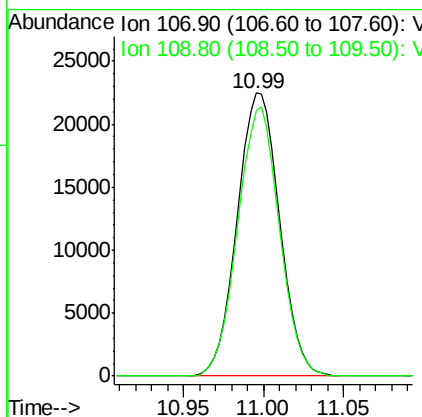
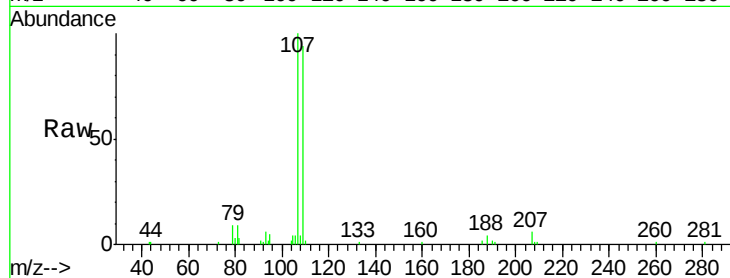
#61
 1,2-Dibromoethane
 Concen: 18.324 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0303MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.8	115.2

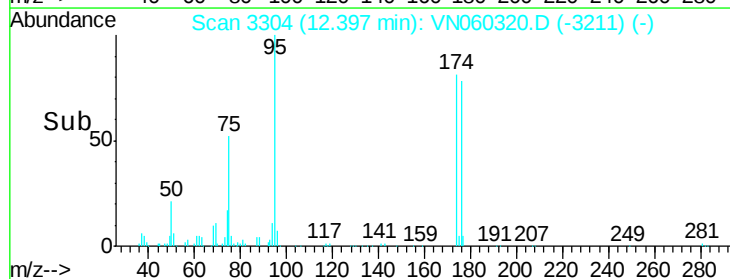
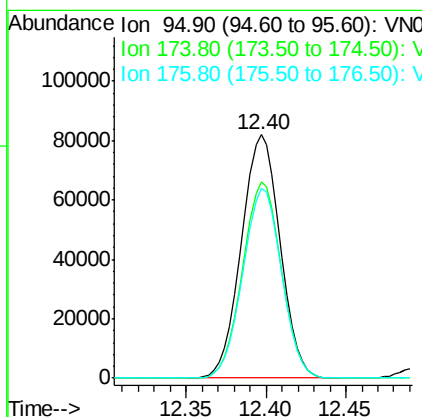
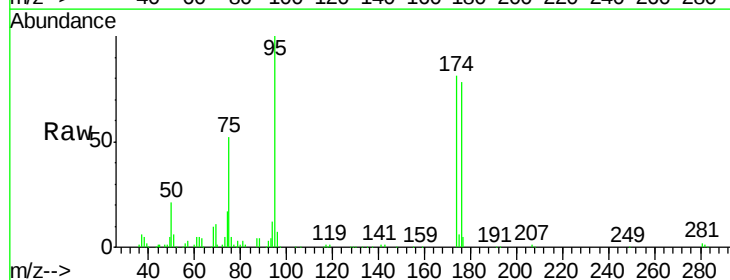
Manual Integrations
 APPROVED

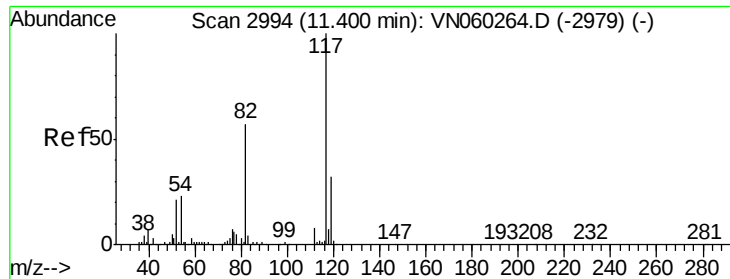
MMDadoda
 3/4/2020 10:44:06 AM



#62
 4-Bromofluorobenzene
 Concen: 46.727 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	159.2
176	78.3	0.0	153.8





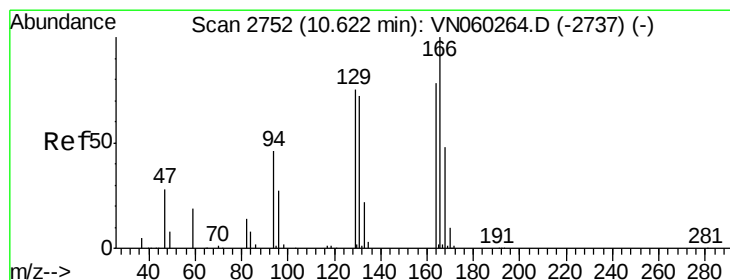
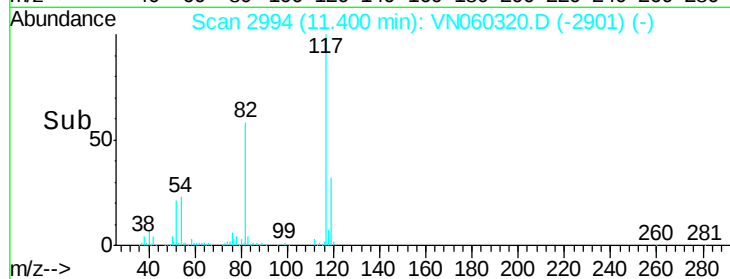
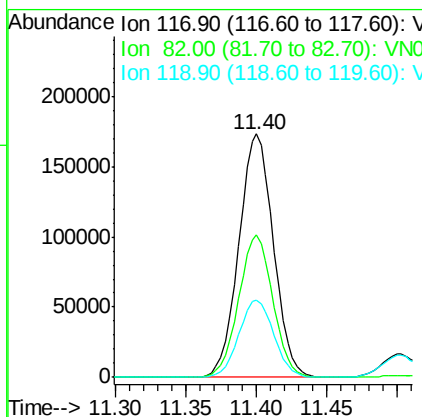
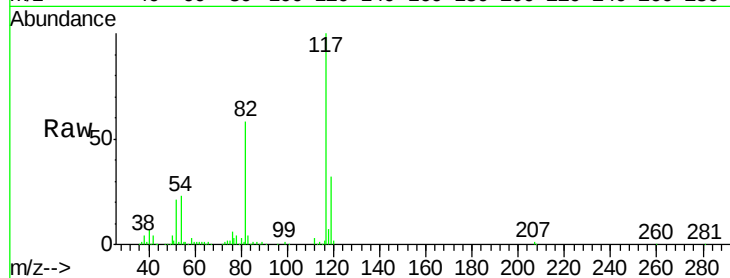
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297618		
82	58.3		45.8	68.6
119	31.9		25.8	38.8

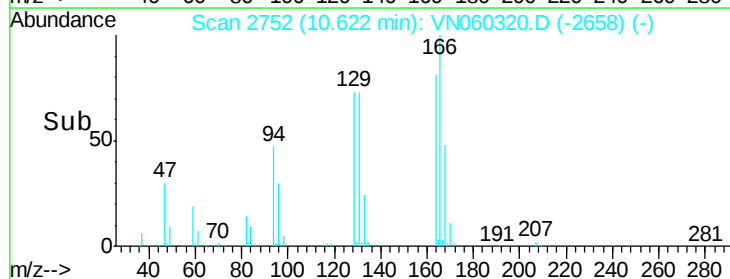
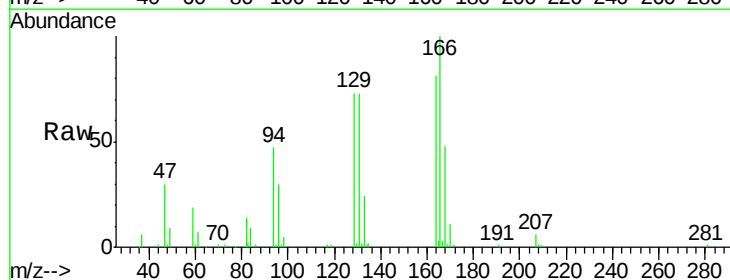
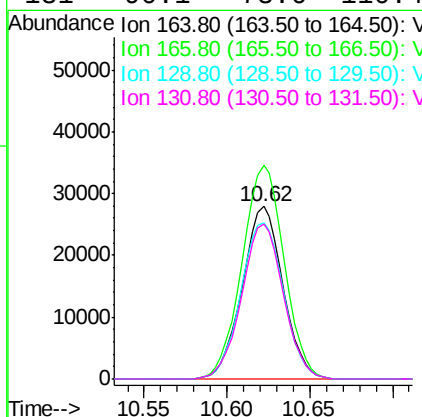
Manual Integrations
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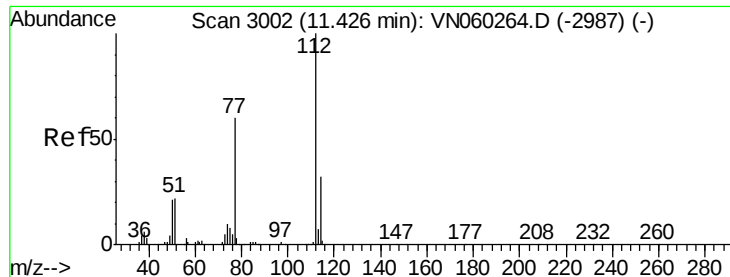
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#64
Tetrachloroethene
Concen: 19.528 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47779		
166	124.0		102.0	153.0
129	90.9		76.4	114.6
131	90.1		73.6	110.4





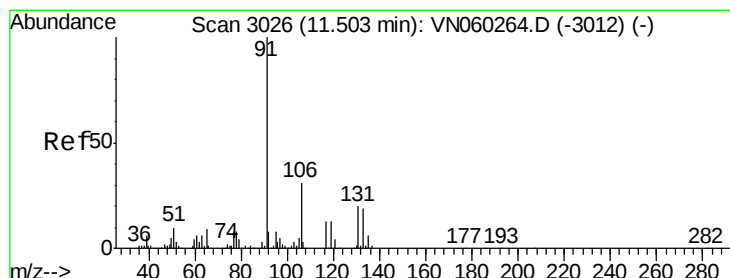
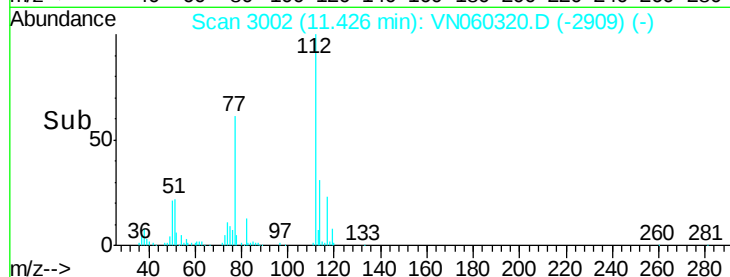
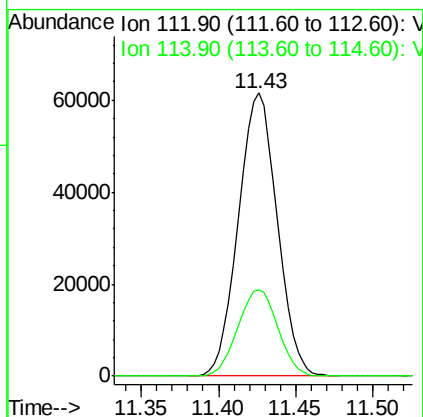
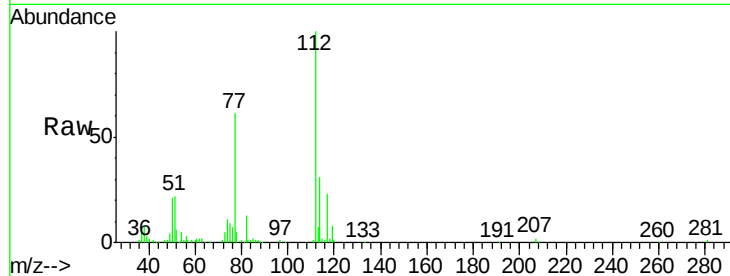
#65
Chlorobenzene
Concen: 17.892 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion:112 Resp: 107523
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.0

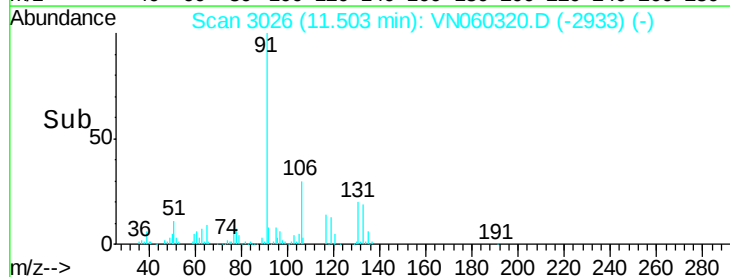
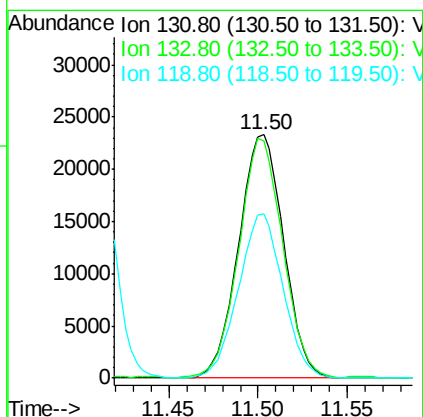
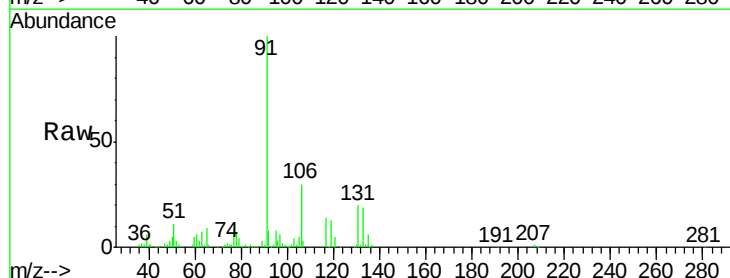
Manual Integrations
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3/4/2020 10:44:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.505 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion:131 Resp: 41119
Ion Ratio Lower Upper
131 100
133 96.8 47.7 143.1
119 66.9 33.2 99.6





#67

Ethyl Benzene

Concen: 18.061 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0303MBS01

Tot Ion: 91 Resp: 197661

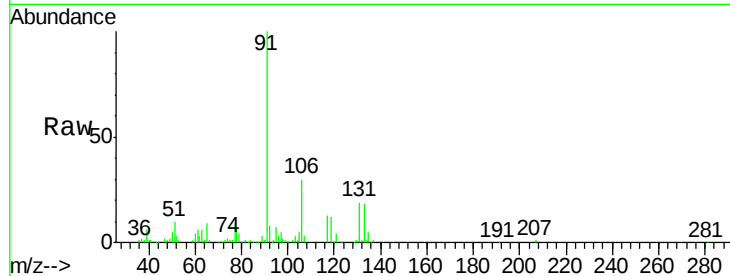
Ion Ratio Lower Upper

91 100

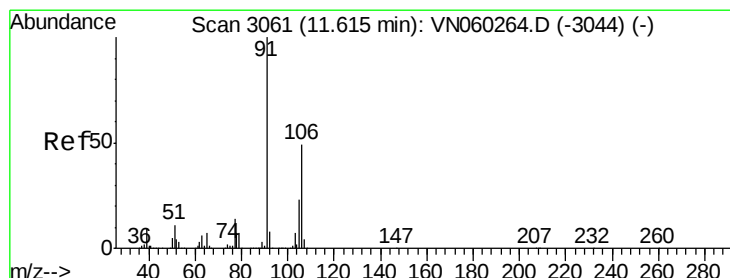
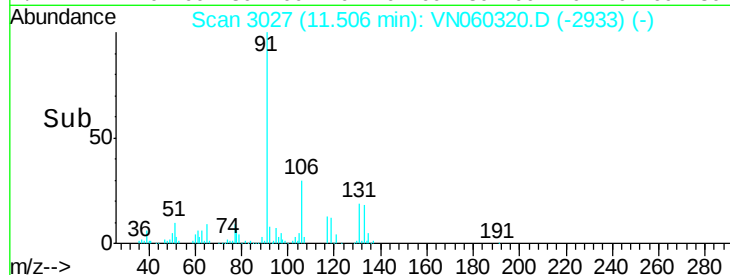
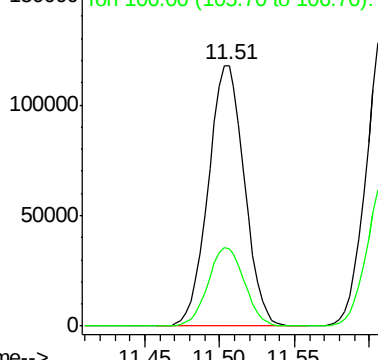
106 29.9 24.7 37.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060320.D (-2933) (-)



#68

m/p-Xylenes

Concen: 35.841 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060320.D

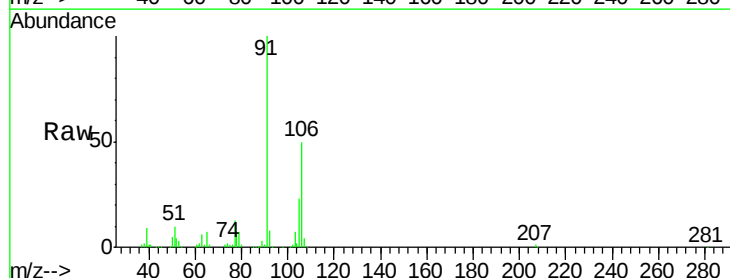
Acq: 3 Mar 2020 11:40

Tgt Ion: 106 Resp: 147992

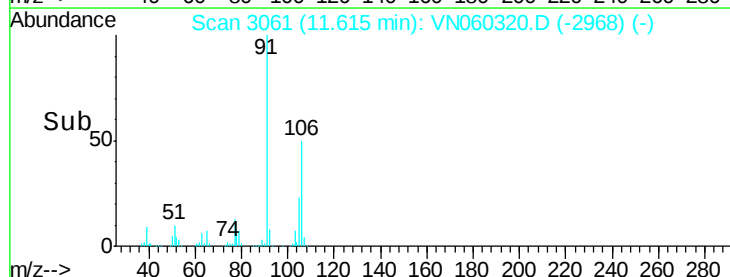
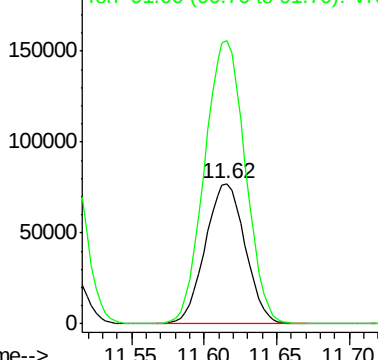
Ion Ratio Lower Upper

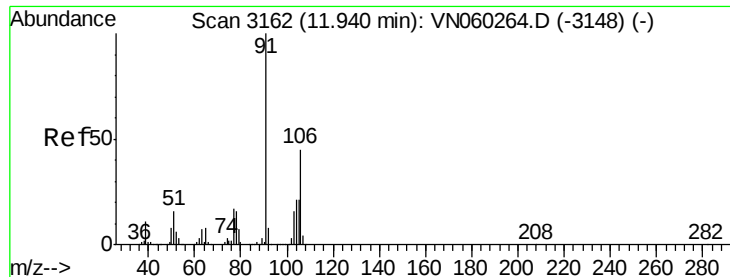
106 100

91 205.8 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060320.D (-2968) (-)





#69

o-Xylene

Concen: 18.230 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0303MBS01

Tot Ion:106 Resp: 71780

Ion Ratio Lower Upper

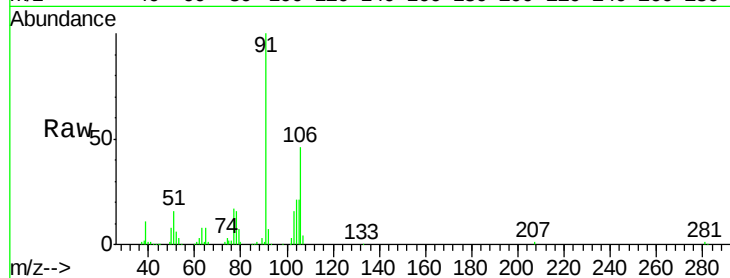
106 100

91 216.8 109.5 328.4

Manual Integrations
APPROVED

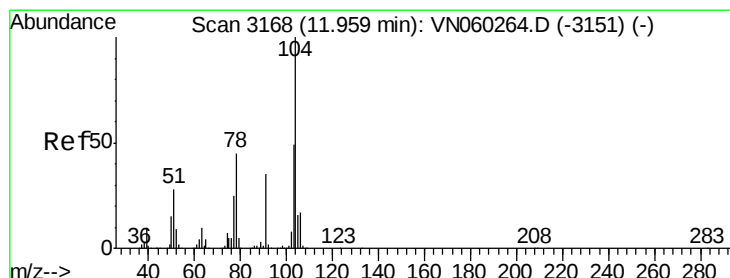
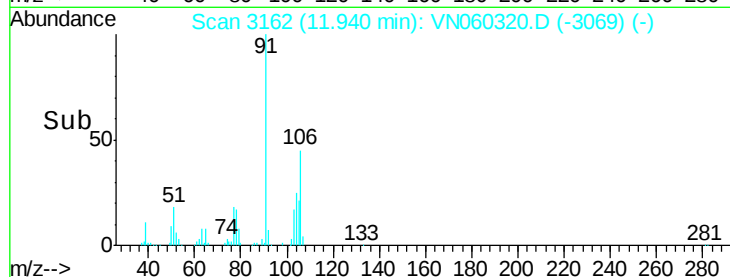
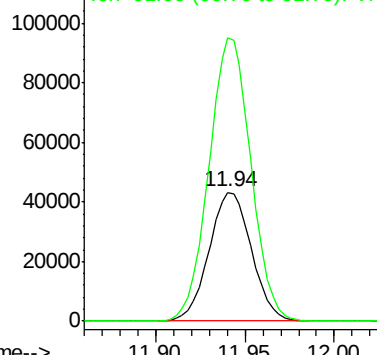
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 17.600 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

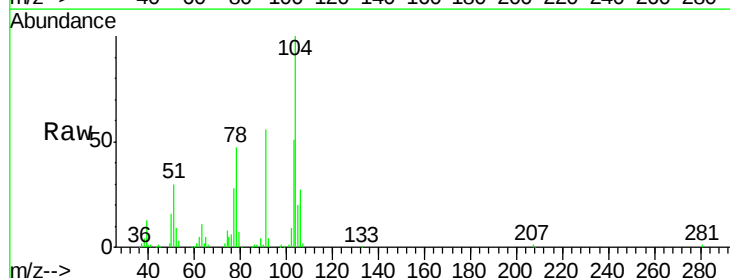
Tgt Ion:104 Resp: 113938

Ion Ratio Lower Upper

104 100

78 51.8 41.2 61.8

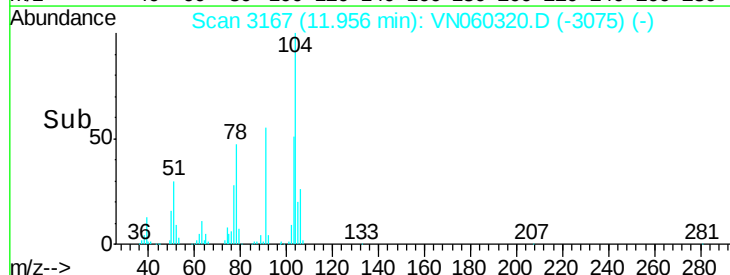
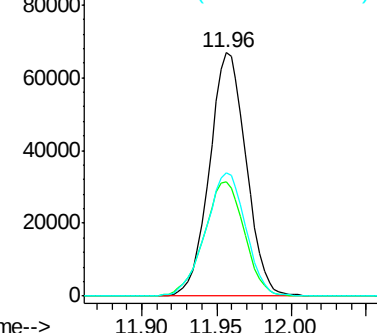
103 55.6 43.9 65.9

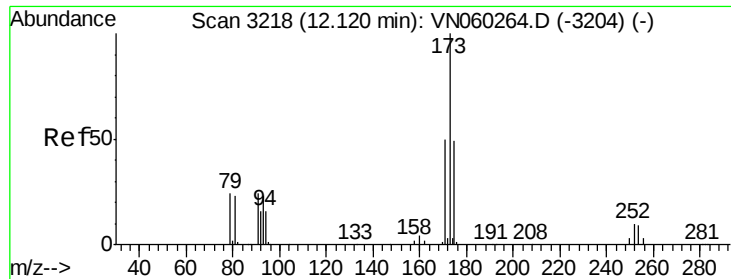


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.255 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

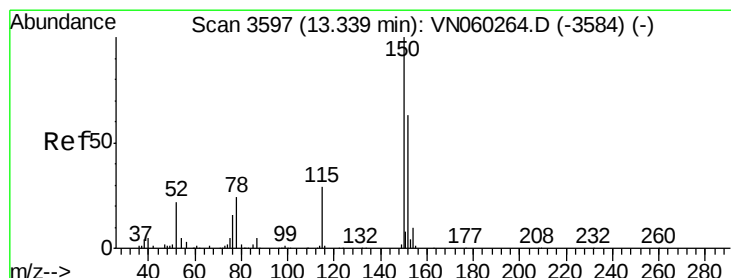
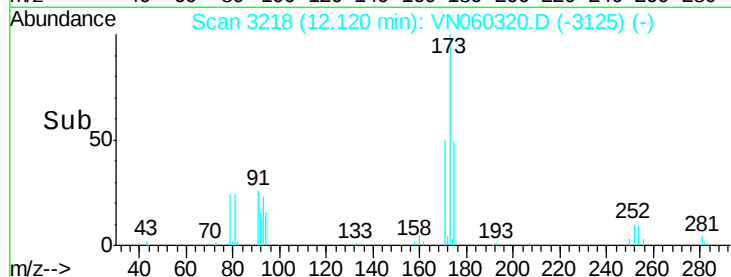
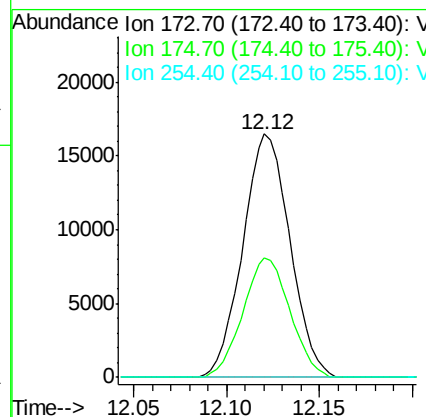
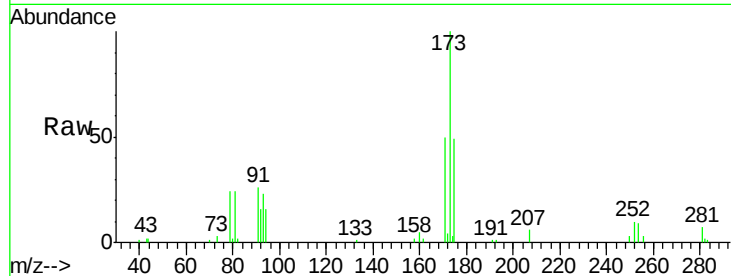
ClientSampleId :

VN0303MBS01

Tot Ion:	173	Resp:	29235
Ion Ratio	Lower	Upper	
173	100		
175	48.7	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

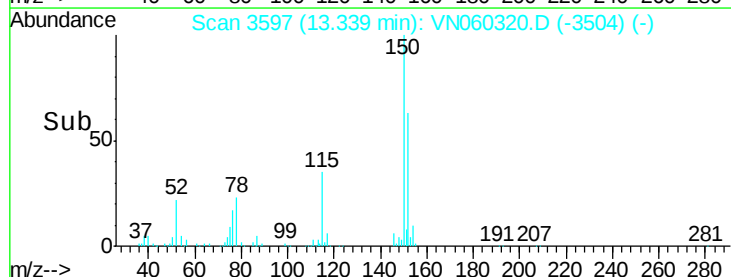
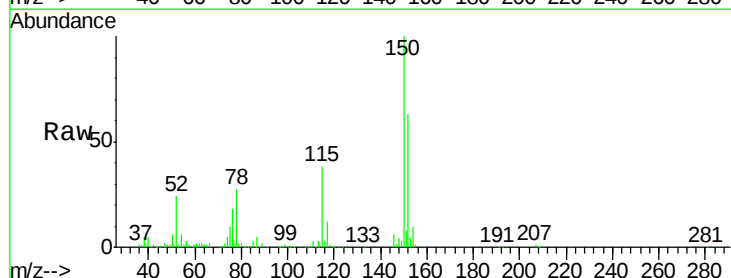
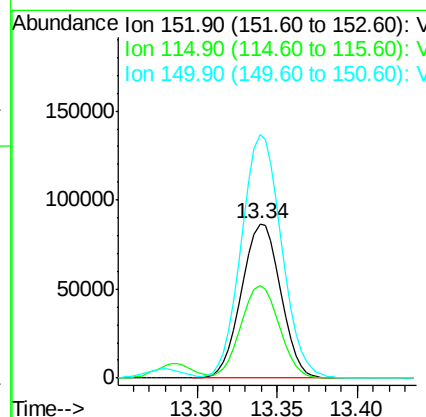
RT: 13.34 min Scan# 3597

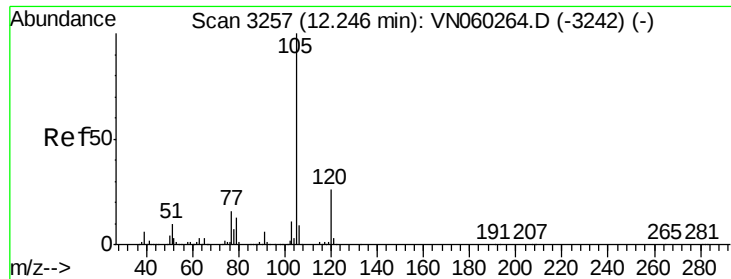
Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	152	Resp:	144215
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.0	90.0
150	162.9	0.0	349.6





#73

Isopropylbenzene

Concen: 18.120 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0303MBS01

Tot Ion: 105 Resp: 193690

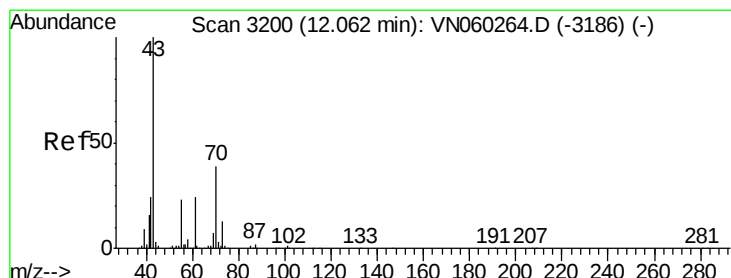
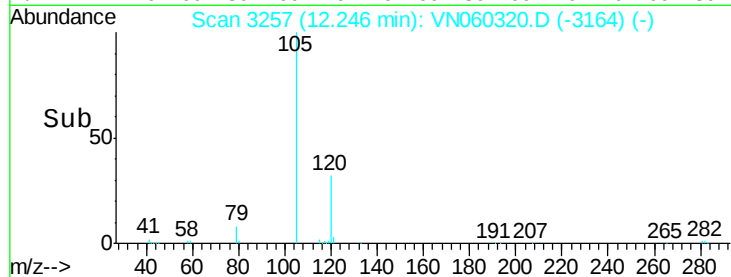
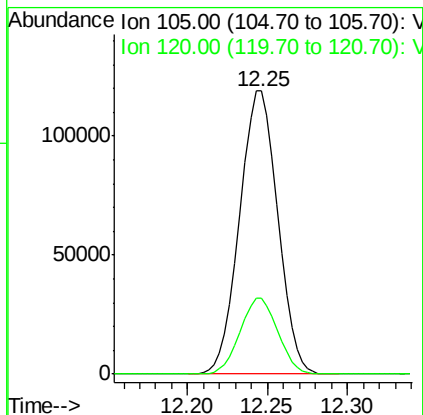
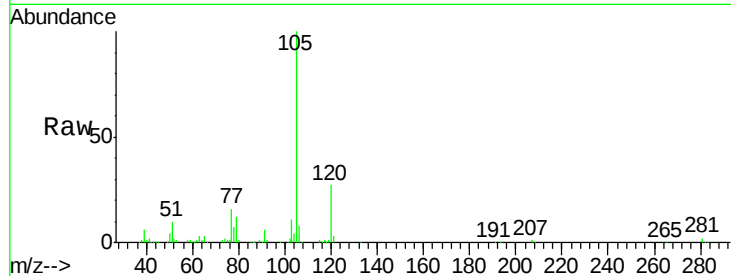
Ion Ratio Lower Upper

105 100

120 26.5 13.0 38.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.416 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion: 43 Resp: 81347

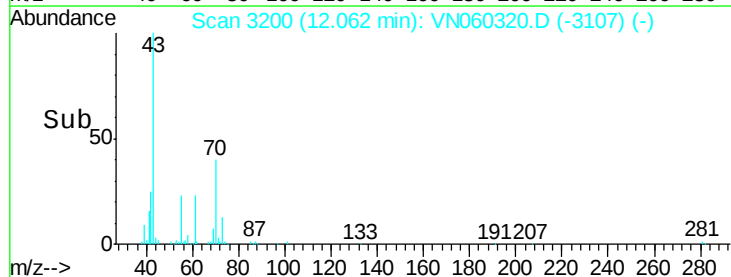
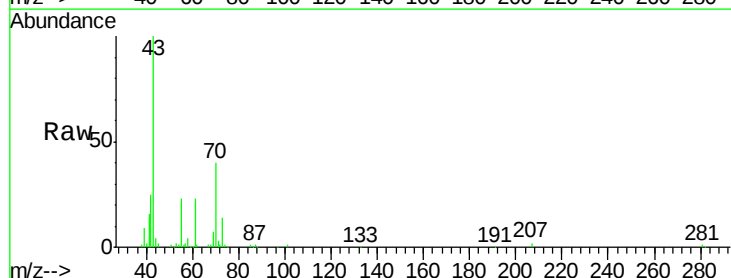
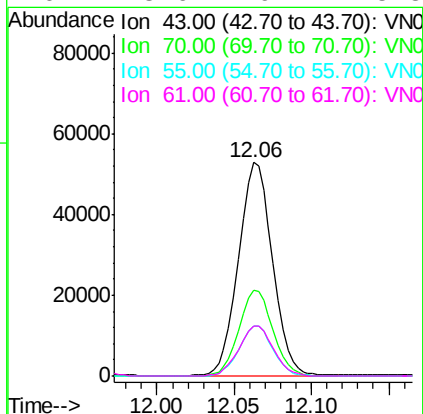
Ion Ratio Lower Upper

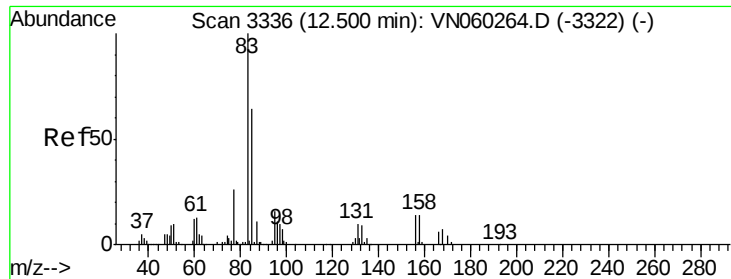
43 100

70 39.8 32.2 48.2

55 23.2 18.2 27.4

61 23.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.256 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

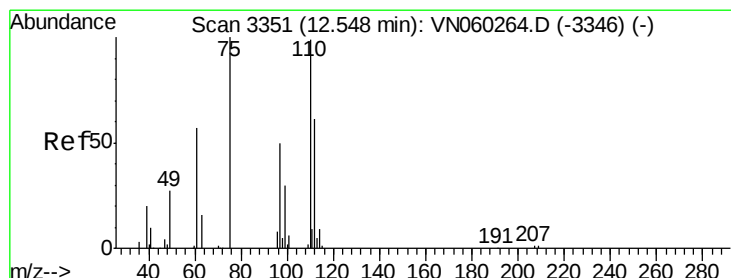
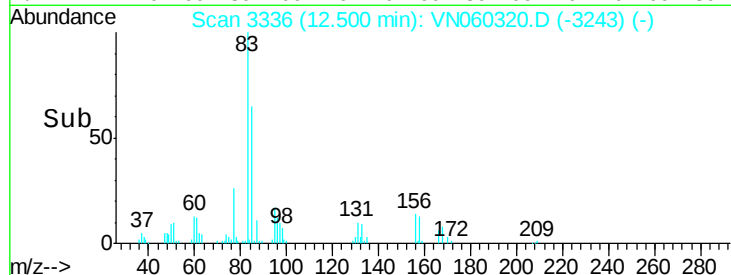
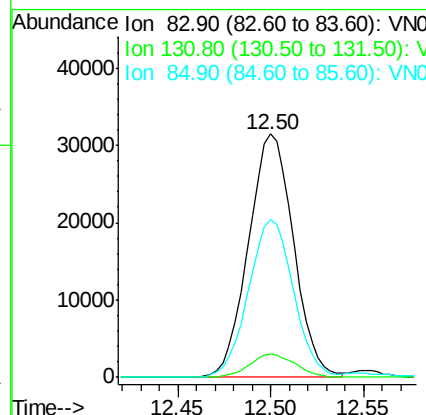
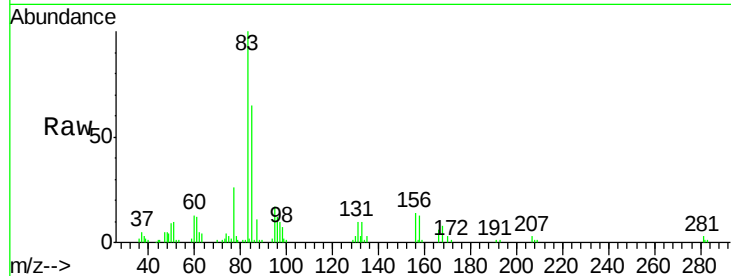
ClientSampleId :

VN0303MBS01

Tot Ion:	83	Resp:	53044
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.3
85	64.8	32.3	96.8

Manual Integrations
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3/4/2020 10:44:06 AM



#76

1,2,3-Trichloropropane

Concen: 14.870 ug/l m

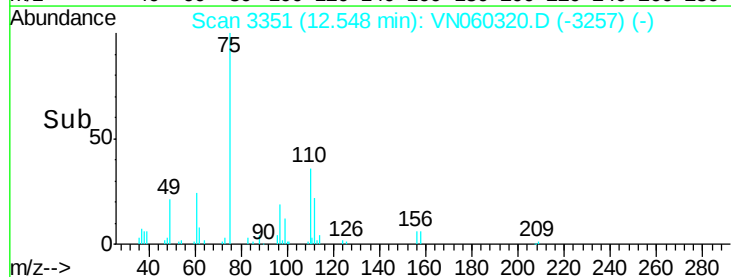
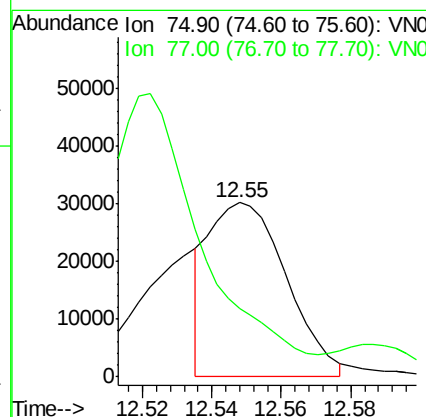
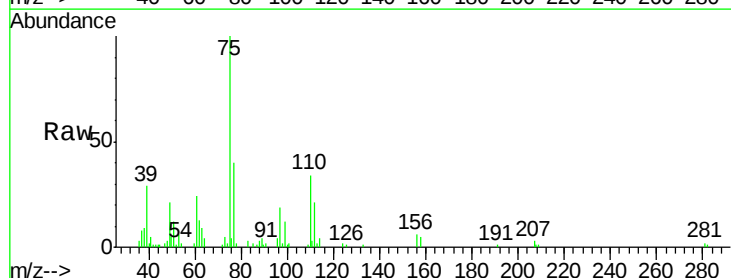
RT: 12.55 min Scan# 3351

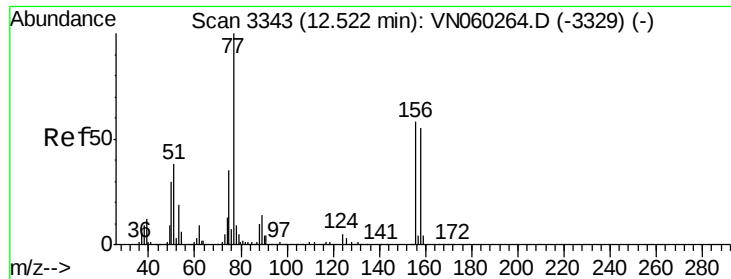
Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	75	Resp:	47049
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.207 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0303MBS01

Tot Ion:156 Resp: 47705

Ion Ratio Lower Upper

156 100

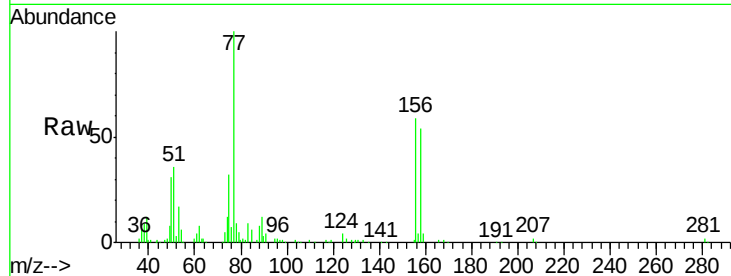
77 205.9 106.1 318.3

158 93.5 48.3 144.8

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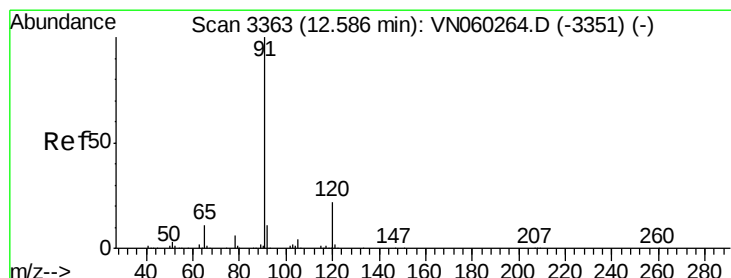
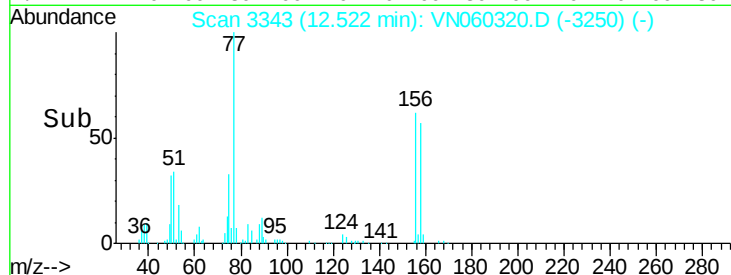
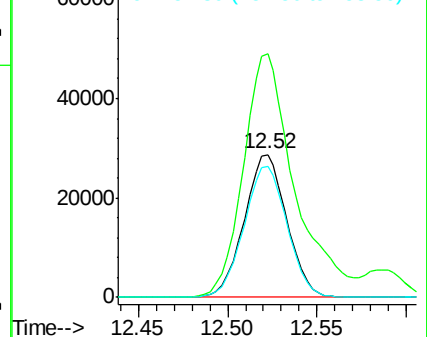
3/4/2020 10:44:06 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.047 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060320.D

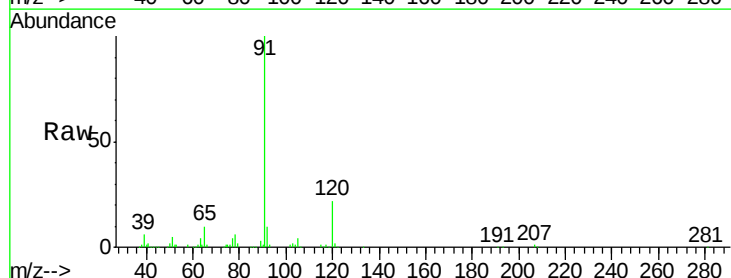
Acq: 3 Mar 2020 11:40

Tgt Ion: 91 Resp: 226117

Ion Ratio Lower Upper

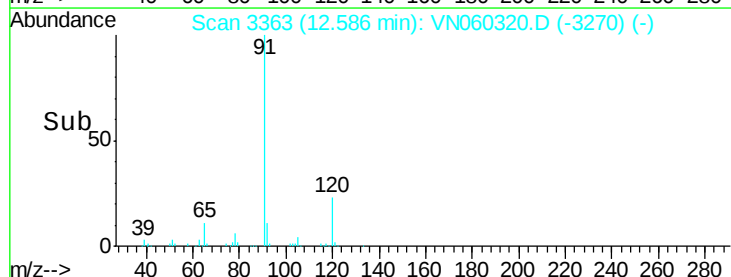
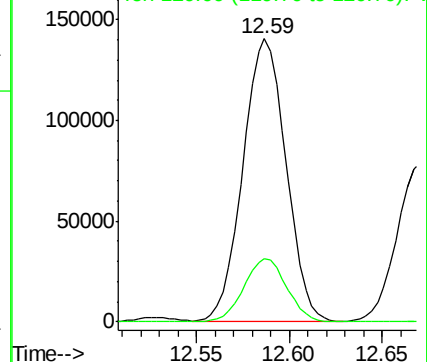
91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





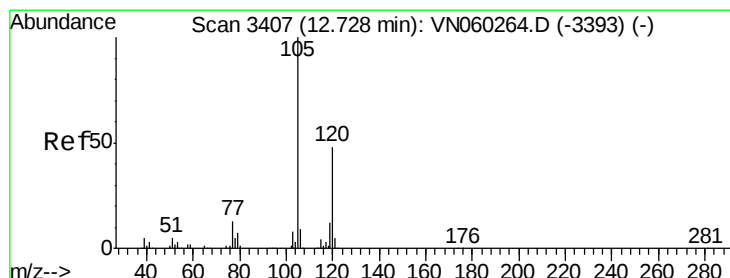
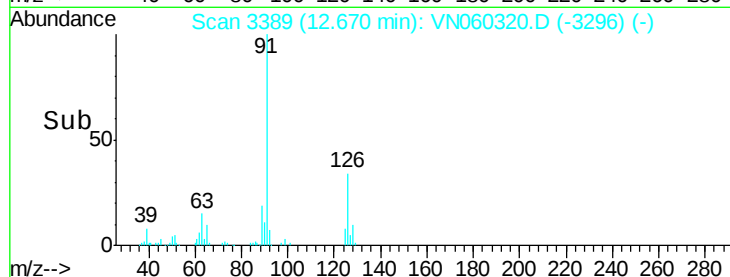
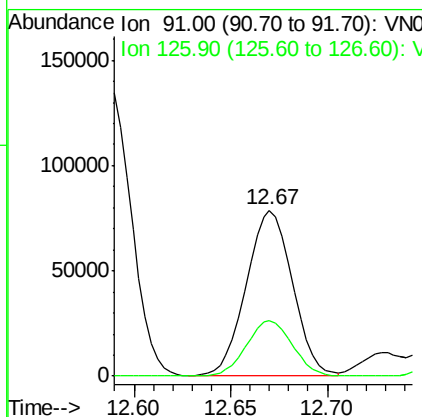
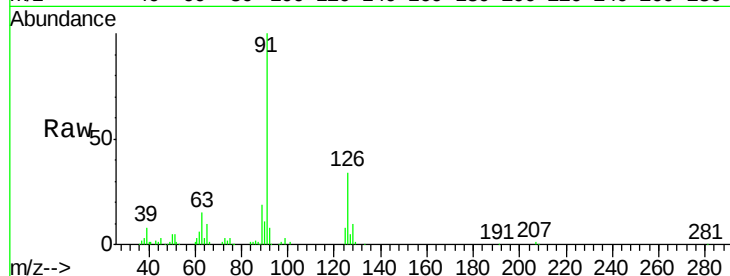
#79
 2-Chlorotoluene
 Concen: 17.740 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0303MBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	33.6	16.6	49.8	

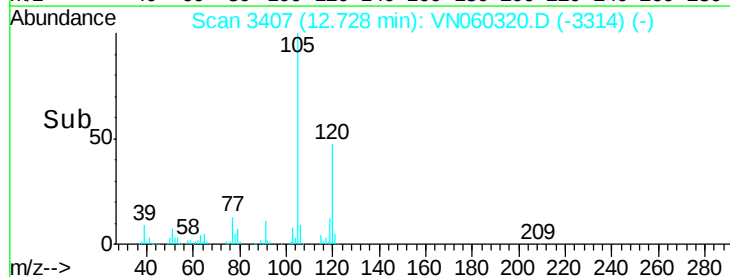
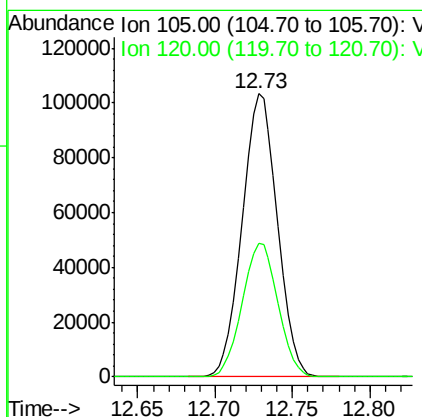
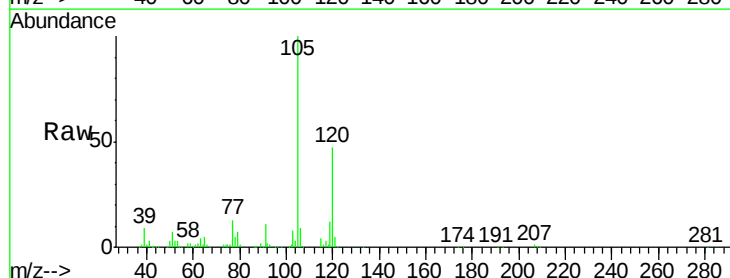
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.158 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	47.9	24.1	72.4	





#81

trans-1,4-Dichloro-2-butene

Concen: 17.492 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

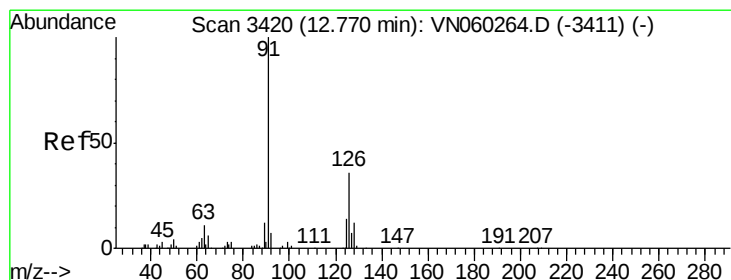
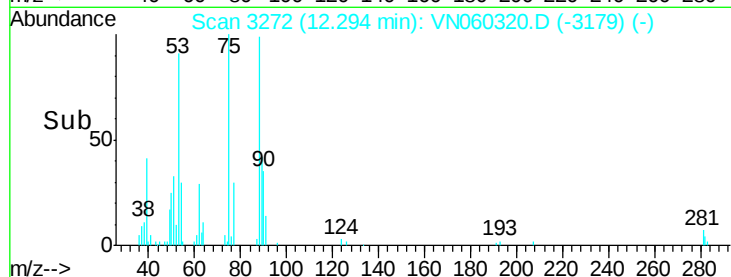
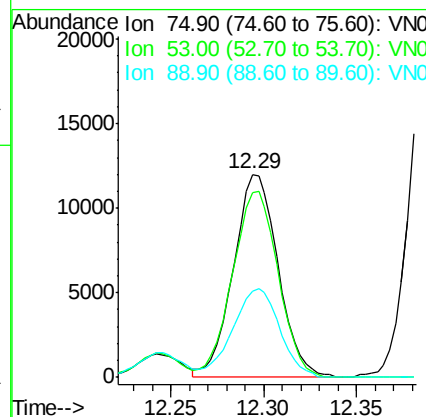
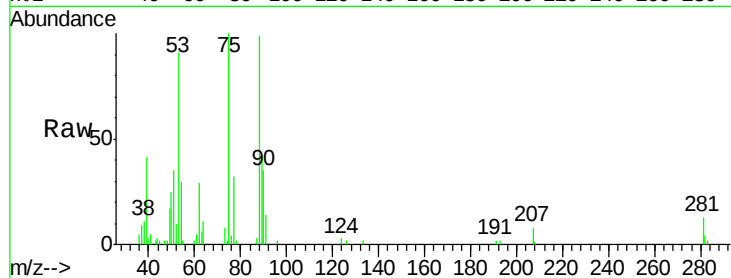
ClientSampleId :

VN0303MBS01

Tot Ion:	75	Resp:	20049
Ion	Ratio	Lower	Upper
75	100		
53	93.8	73.8	110.6
89	45.6	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 17.469 ug/l

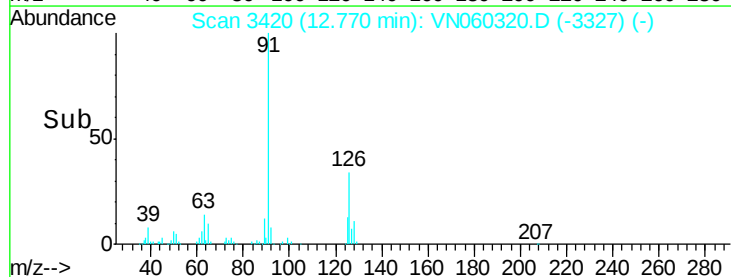
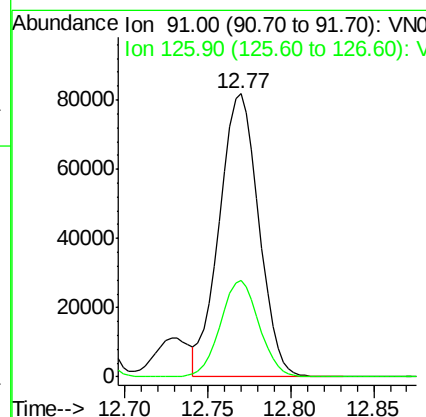
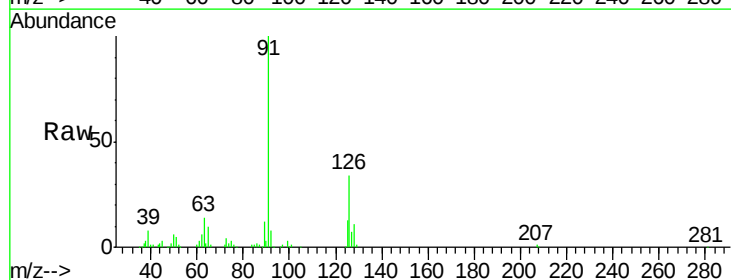
RT: 12.77 min Scan# 3420

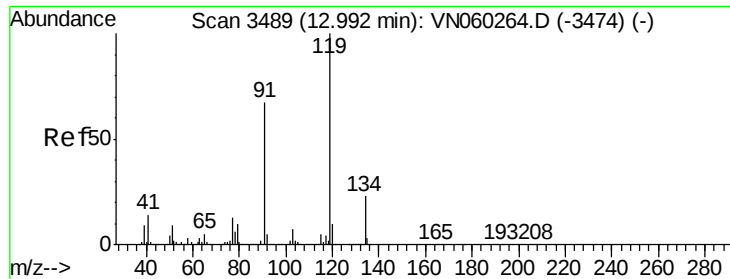
Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	91	Resp:	135557
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.1





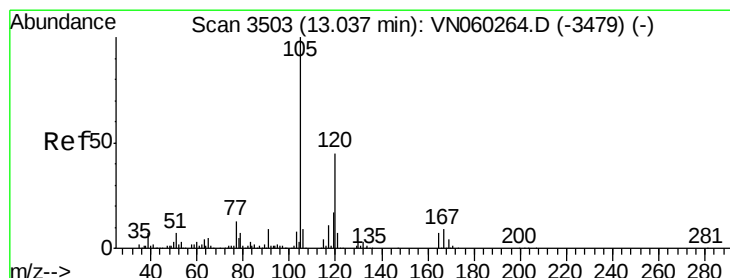
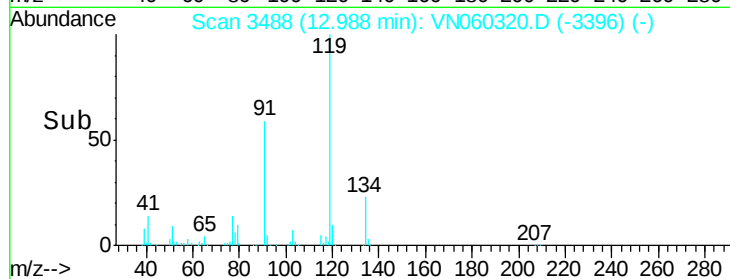
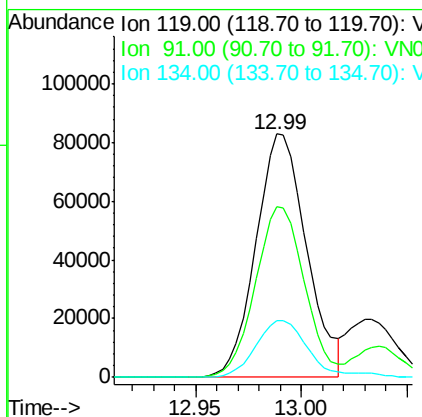
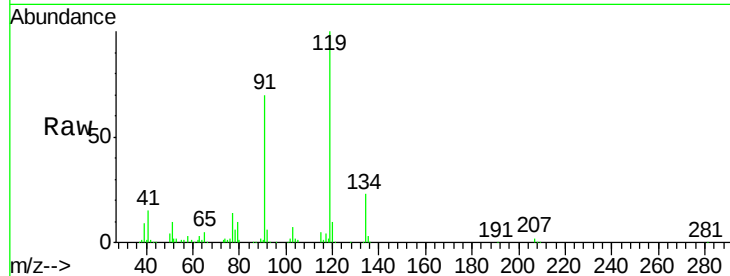
#83
tert-Butylbenzene
Concen: 17.799 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.1	99.2
134	24.6	12.4	37.0

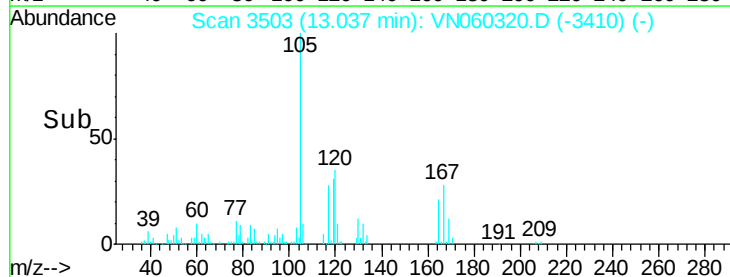
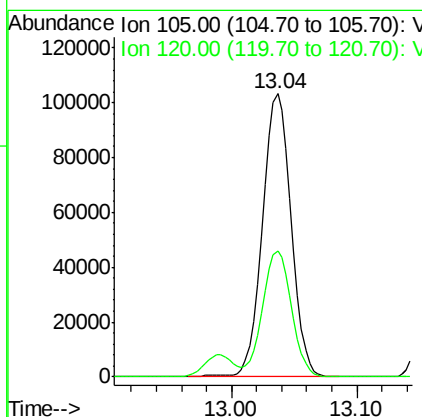
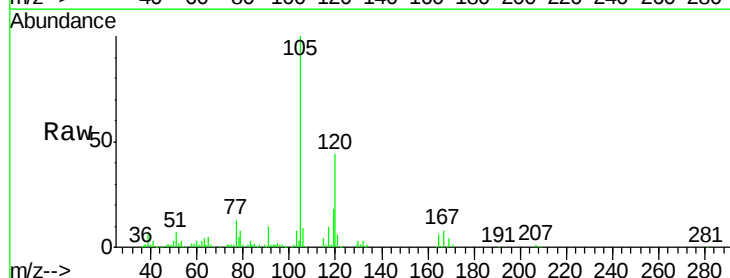
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#84
1,2,4-Trimethylbenzene
Concen: 18.068 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





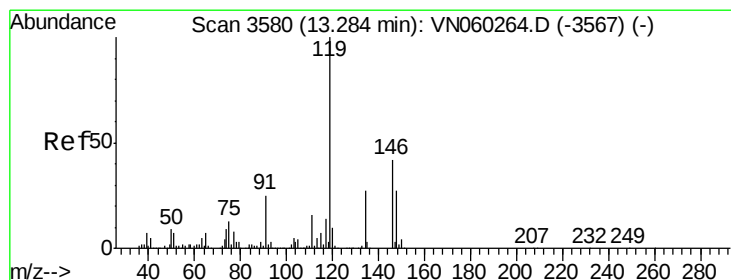
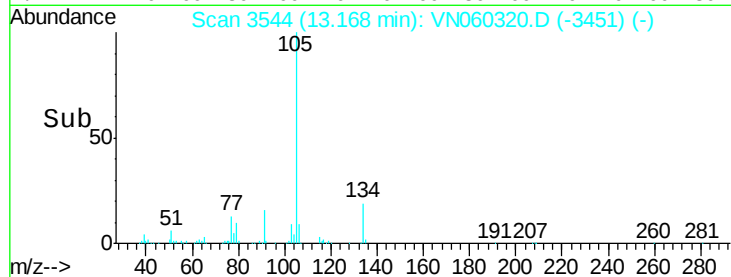
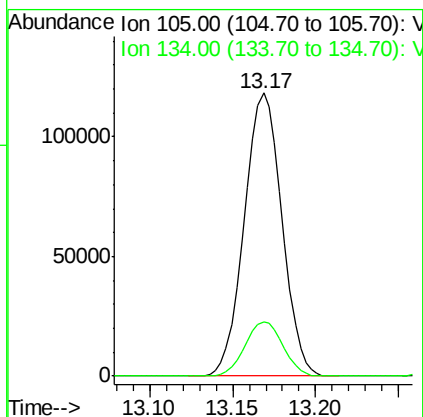
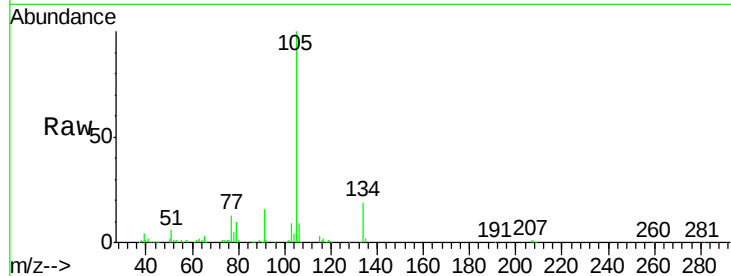
#85
 sec-Butylbenzene
 Concen: 17.905 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	186825		
134	19.3	9.8	29.5	

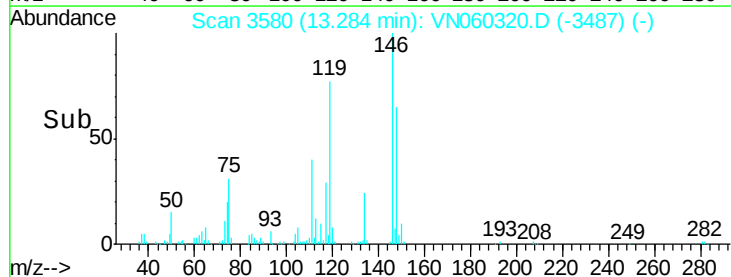
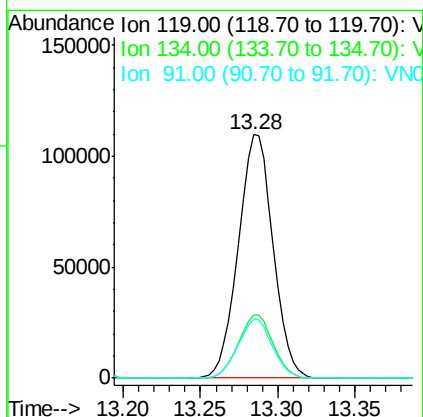
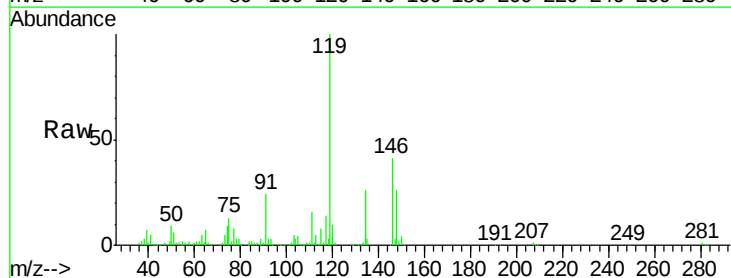
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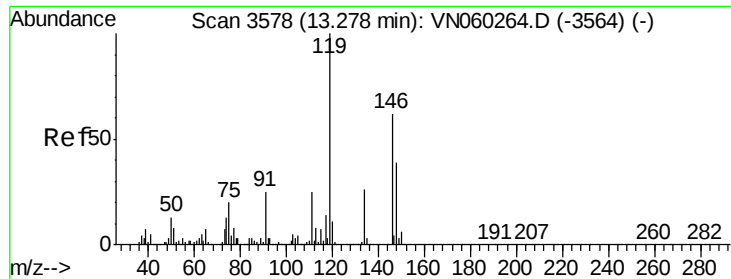
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#86
 p-Isopropyltoluene
 Concen: 17.718 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	171111		
134	25.9	13.2	39.6	
91	24.0	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 18.385 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060320.D

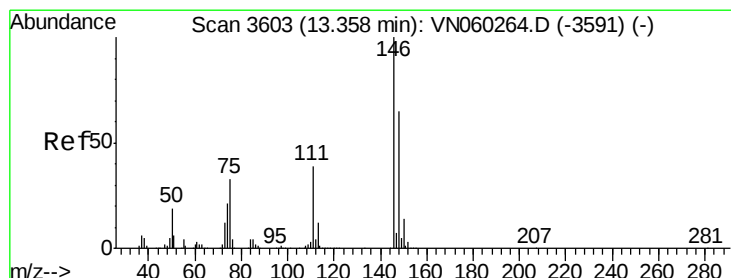
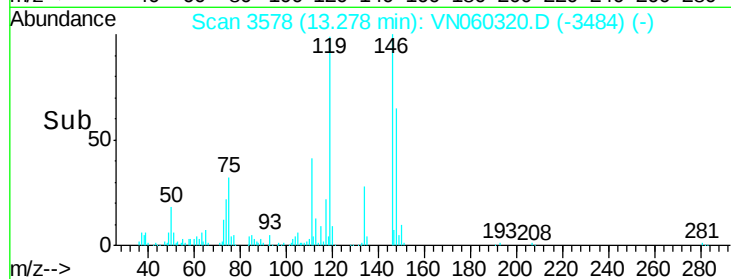
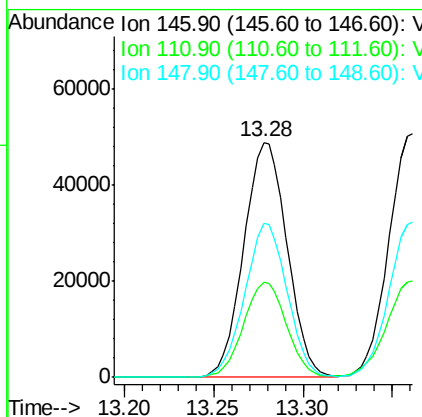
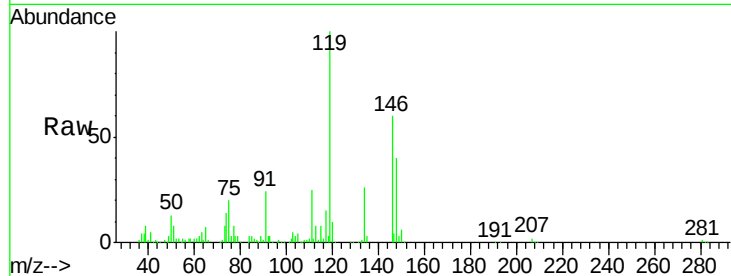
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	64.0	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.572 ug/l

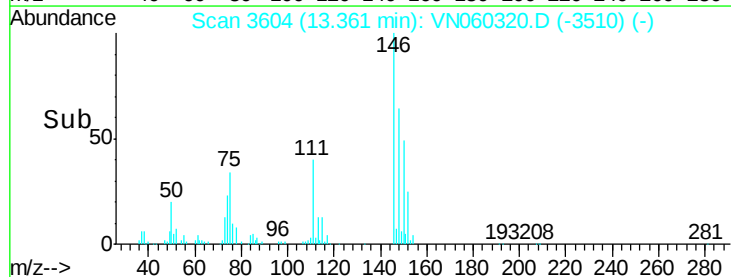
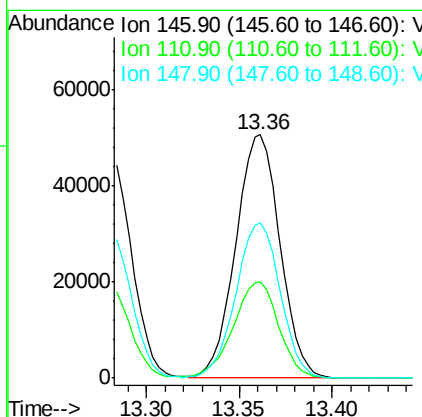
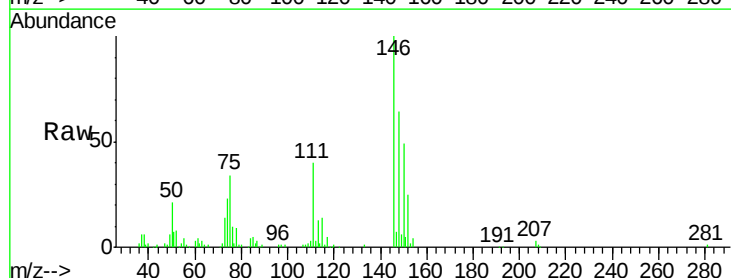
RT: 13.36 min Scan# 3604

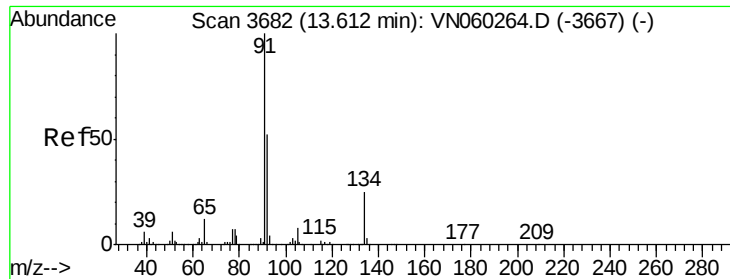
Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.4
148	63.9	32.3	96.9





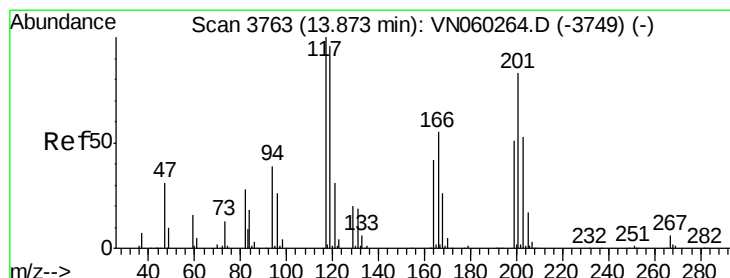
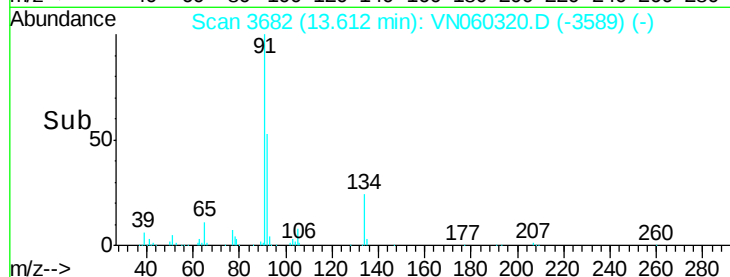
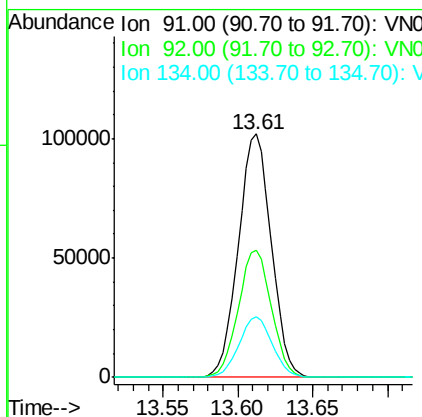
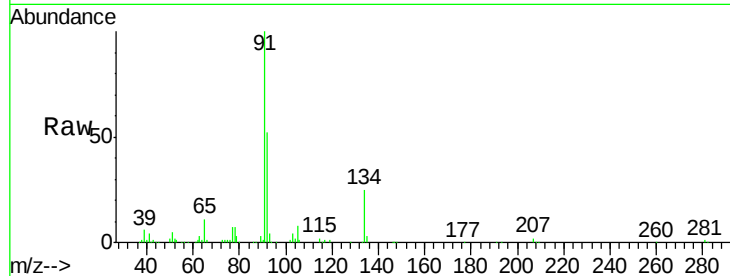
#89
n-Butylbenzene
Concen: 17.631 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	25.1	12.7	38.1

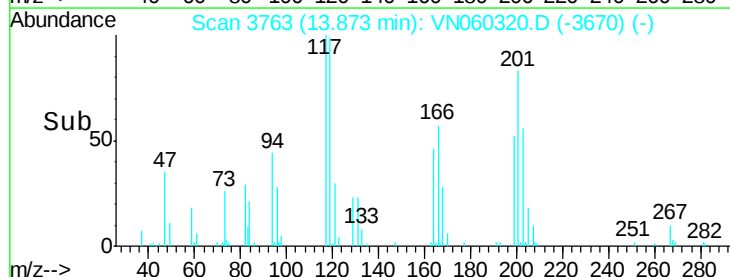
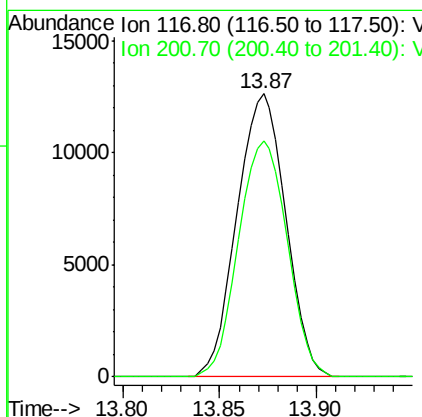
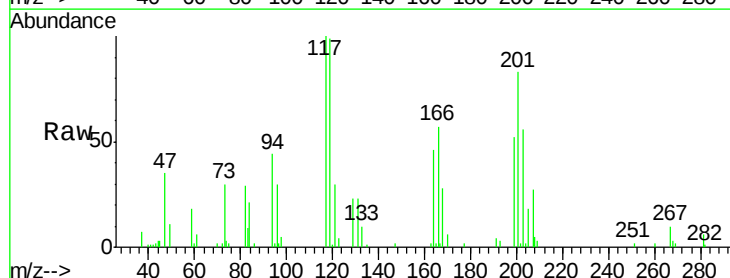
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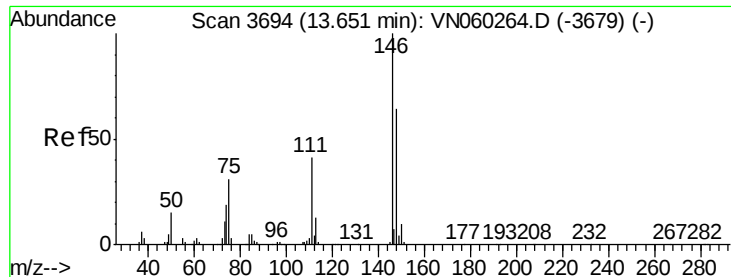
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#90
Hexachloroethane
Concen: 15.825 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.0	123.0





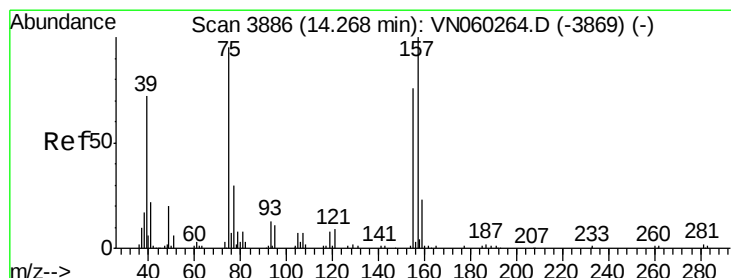
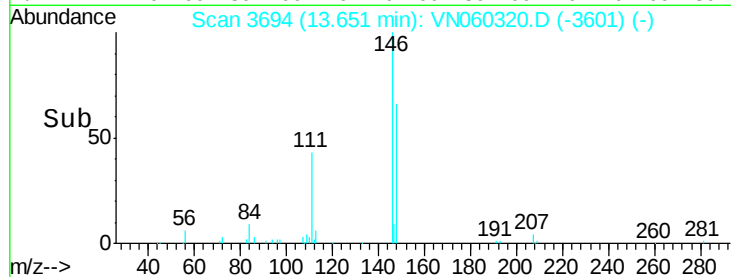
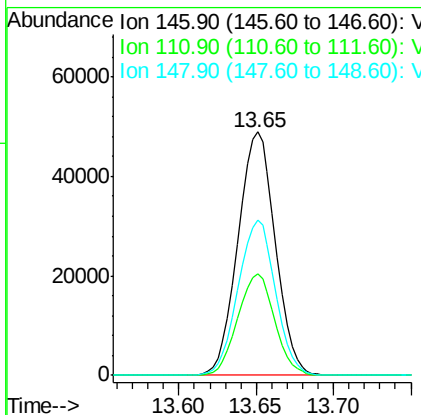
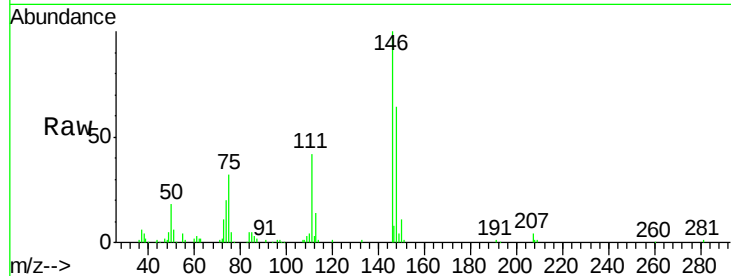
#91
 1,2-Dichlorobenzene
 Concen: 17.903 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	63.8	31.8	95.3

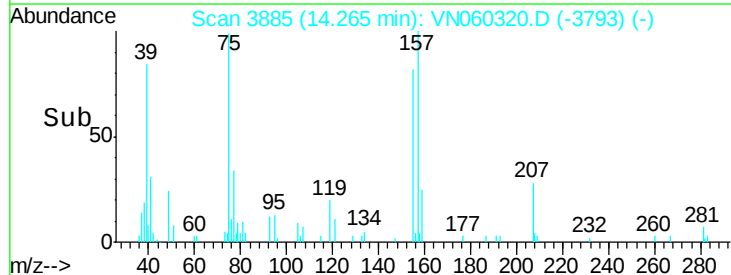
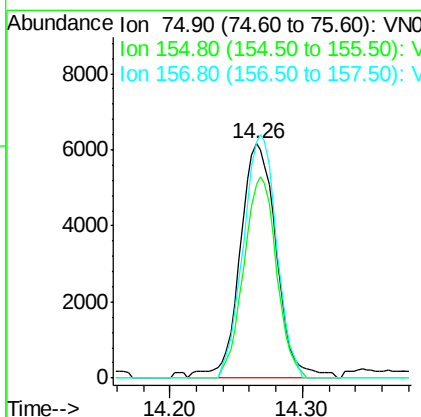
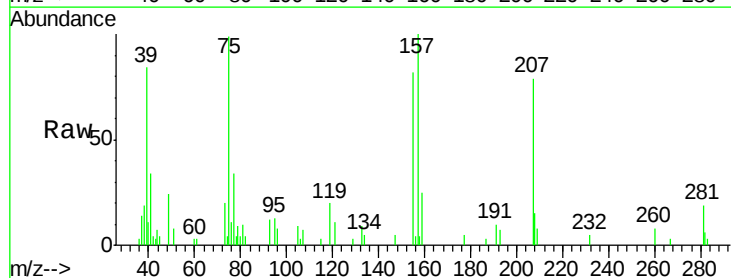
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.864 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	40.4	121.2
157	94.5	52.5	157.5





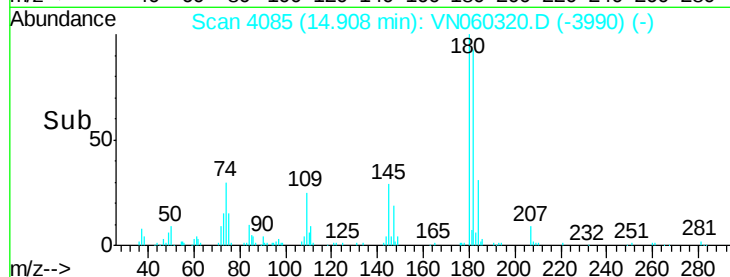
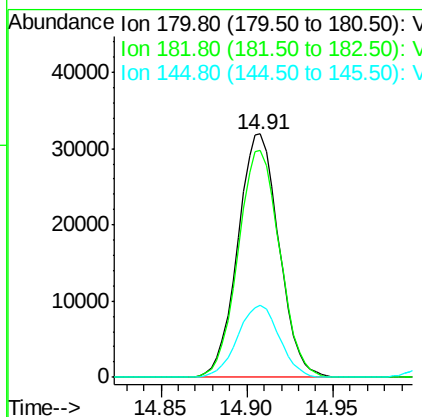
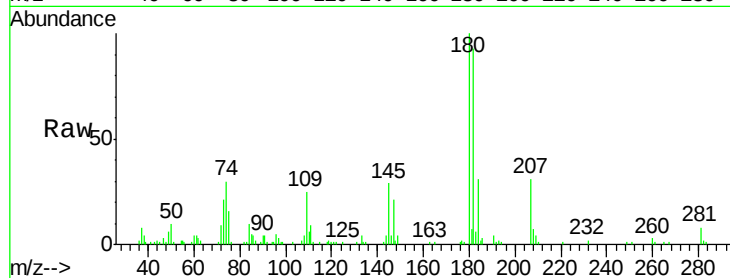
#93
 1,2,4-Trichlorobenzene
 Concen: 18.239 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	30.2	15.4	46.1

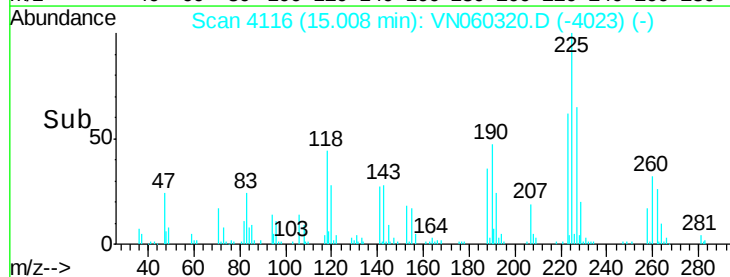
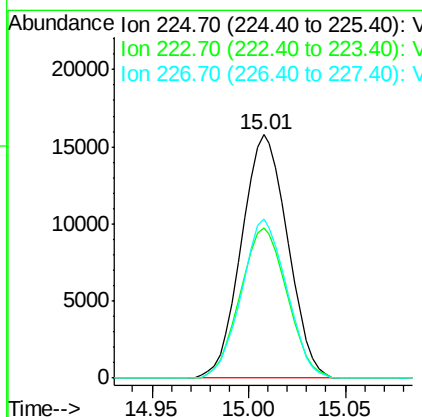
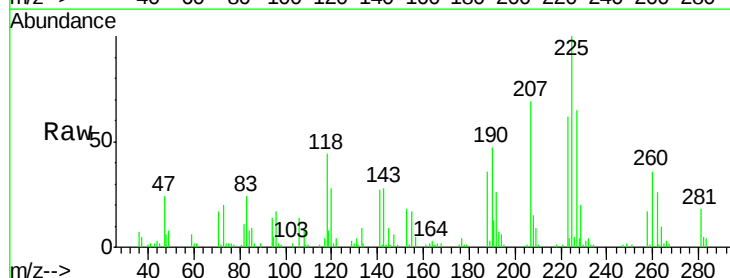
Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:44:06 AM



#94
 Hexachlorobutadiene
 Concen: 19.238 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.9
227	63.7	32.3	96.9





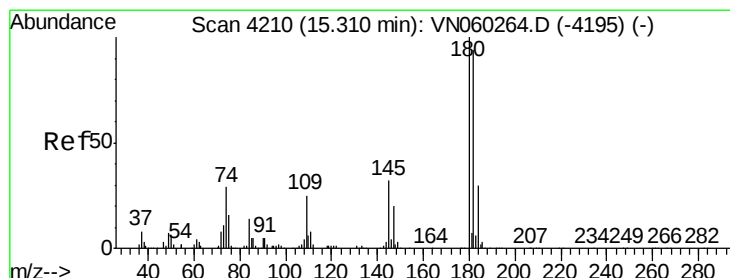
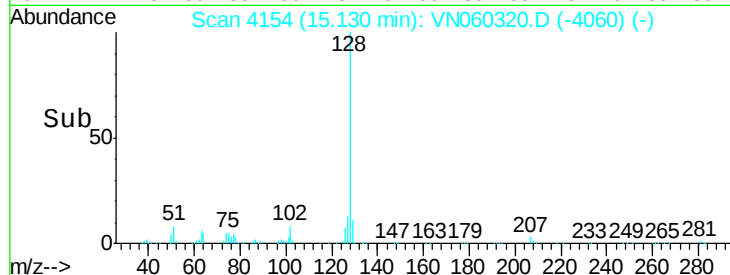
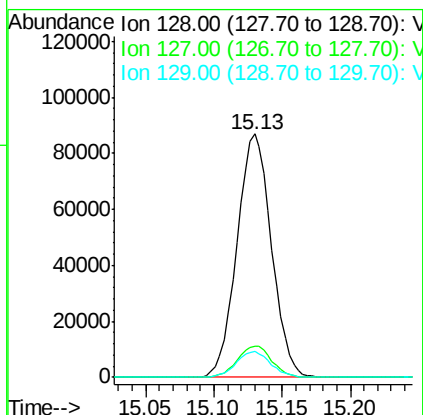
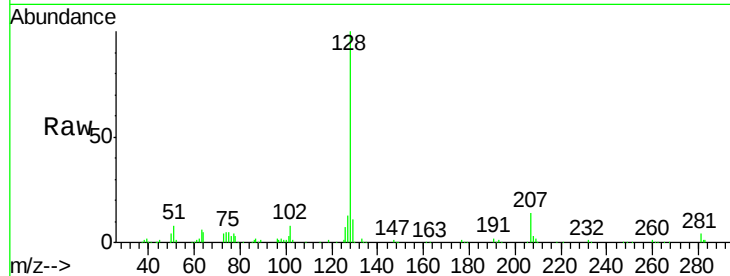
#95
Naphthalene
Concen: 17.550 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0303MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	152319		
127	12.8	10.4	15.6	
129	10.5	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
3/4/2020 10:44:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.387 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	50833		
182	94.8	47.3	142.0	
145	32.1	16.2	48.5	

