

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060302.D
 Acq On : 2 Mar 2020 11:40
 Operator : JC/MD
 Sample : VN0302MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 10:04:16 AM

Quant Time: Mar 03 05:59:53 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	207725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	339711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133576	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.56	113	90965	57.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.38%	
50) Toluene-d8	10.08	98	382198	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.40	95	143031	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35101	18.430	ug/l	98
3) Chloromethane	2.04	50	61237	18.468	ug/l	98
4) Vinyl Chloride	2.16	62	49957	17.568	ug/l	98
5) Bromomethane	2.54	94	20449	16.242	ug/l	98
6) Chloroethane	2.68	64	27383	17.773	ug/l	98
7) Trichlorofluoromethane	3.00	101	65607	18.057	ug/l	99
8) Diethyl Ether	3.38	74	26550	19.354	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	37908	18.436	ug/l	99
10) Methyl Iodide	3.92	142	34658	18.468	ug/l	100
11) Tert butyl alcohol	4.72	59	39033	98.633	ug/l	100
12) 1,1-Dichloroethene	3.71	96	38298	19.143	ug/l	100
13) Acrolein	3.57	56	33965	91.999	ug/l	99
14) Allyl chloride	4.29	41	66060	17.953	ug/l	93
15) Acrylonitrile	4.94	53	101754	97.550	ug/l	100
16) Acetone	3.78	43	82623	96.000	ug/l	98
17) Carbon Disulfide	4.03	76	99654	18.371	ug/l	99
18) Methyl Acetate	4.28	43	53014	18.458	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	139548	19.259	ug/l	97
20) Methylene Chloride	4.52	84	43670	18.476	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	41430	19.059	ug/l	98
22) Diisopropyl ether	5.91	45	146824	19.699	ug/l	97
23) Vinyl Acetate	5.86	43	592309	100.007	ug/l	100
24) 1,1-Dichloroethane	5.81	63	81005	19.200	ug/l	98
25) 2-Butanone	6.80	43	136225	97.992	ug/l	100
26) 2,2-Dichloropropane	6.79	77	71138	18.521	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	49290	17.984	ug/l	99
28) Bromochloromethane	7.17	49	32555	18.793	ug/l	99
29) Tetrahydrofuran	7.18	42	91916	95.083	ug/l	100
30) Chloroform	7.35	83	79947	19.035	ug/l	98
31) Cyclohexane	7.63	56	73561	19.617	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	70863	19.043	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57854	17.869	ug/l	99
37) Ethyl Acetate	6.90	43	60070	19.595	ug/l	99
38) Carbon Tetrachloride	7.75	117	58562	18.578	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	70119	18.369	ug/l	97
40) Benzene	8.02	78	176415	18.721	ug/l	99
41) Methacrylonitrile	7.14	41	29911	21.131	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	66415	19.531	ug/l	100
43) Isopropyl Acetate	8.14	43	105676	19.690	ug/l	98
44) Trichloroethene	8.82	130	48022	18.298	ug/l	99
45) 1,2-Dichloropropane	9.10	63	48042	19.500	ug/l	98
46) Dibromomethane	9.19	93	30966	19.370	ug/l	99
47) Bromodichloromethane	9.39	83	63290	19.466	ug/l	99
48) Methyl methacrylate	9.18	41	45797	18.713	ug/l	98
49) 1,4-Dioxane	9.18	88	13150	382.083	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	294156	96.669	ug/l	100
52) Toluene	10.14	92	109378	18.478	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	74291	18.647	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	79439	19.243	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	44193	18.565	ug/l	97
56) Ethyl methacrylate	10.42	69	65214	19.069	ug/l	97
57) 1,3-Dichloropropane	10.70	76	76081	19.598	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	169412	94.717	ug/l	99
59) 2-Hexanone	10.74	43	211775	94.788	ug/l	100
60) Dibromochloromethane	10.89	129	46070	19.031	ug/l	99
61) 1,2-Dibromoethane	10.99	107	44295	19.089	ug/l	99
64) Tetrachloroethene	10.62	164	51014	19.850	ug/l	99
65) Chlorobenzene	11.43	112	116744	18.473	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	44242	18.934	ug/l	99
67) Ethyl Benzene	11.50	91	215149	18.695	ug/l	99
68) m/p-Xylenes	11.61	106	159032	36.626	ug/l	99
69) o-Xylene	11.94	106	78097	18.862	ug/l	98
70) Styrene	11.96	104	123497	18.141	ug/l	99
71) Bromoform	12.12	173	31478	18.692	ug/l #	100
73) Isopropylbenzene	12.25	105	208263	18.763	ug/l	99
74) N-amyl acetate	12.06	43	89625	18.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57950	19.207	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	57629m	17.540	ug/l	
77) Bromobenzene	12.52	156	50364	18.511	ug/l	98
78) n-propylbenzene	12.59	91	241911	18.594	ug/l	100
79) 2-Chlorotoluene	12.67	91	142290	18.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	175701	18.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22811	19.165	ug/l #	86
82) 4-Chlorotoluene	12.77	91	147934	18.360	ug/l	100
83) tert-Butylbenzene	12.99	119	152626	18.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	177465	18.814	ug/l	100
85) sec-Butylbenzene	13.17	105	202310	18.672	ug/l	100
86) p-Isopropyltoluene	13.28	119	184405	18.389	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	91143	19.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	90574	19.273	ug/l	100
89) n-Butylbenzene	13.61	91	167967	18.246	ug/l	100
90) Hexachloroethane	13.87	117	25473	17.549	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	87568	18.368	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12321	18.033	ug/l	98

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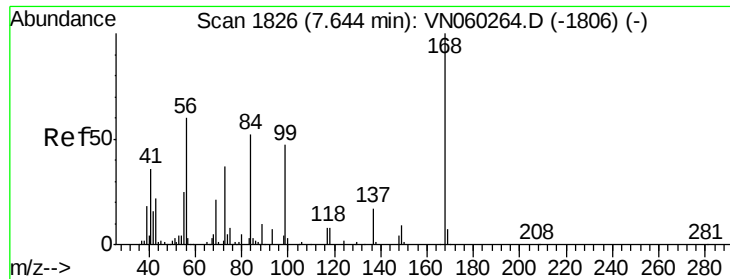
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59041	19.544	ug/l	99
94) Hexachlorobutadiene	15.01	225	28676	20.253	ug/l	99
95) Naphthalene	15.13	128	168450	18.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56583	19.723	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0302MBS01

Tot Ion:168 Resp: 207725

Ion Ratio Lower Upper

168 100

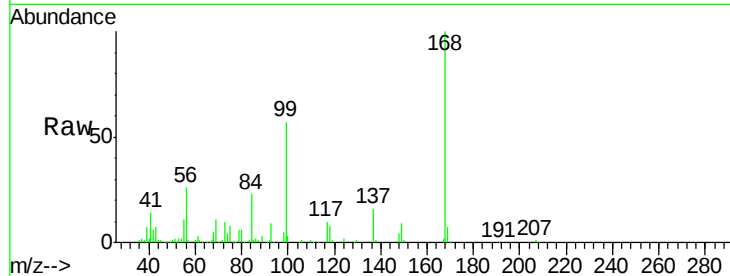
99 56.7 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

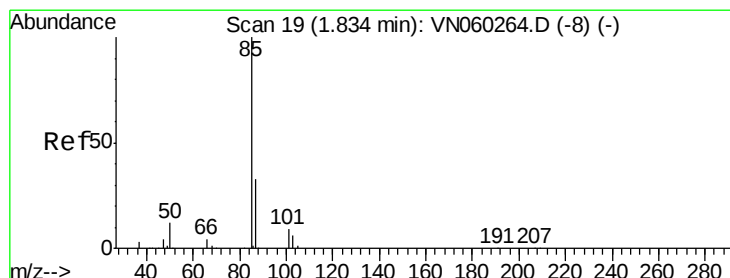
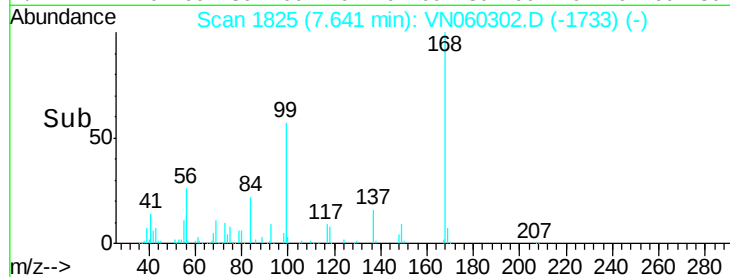
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.430 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060302.D

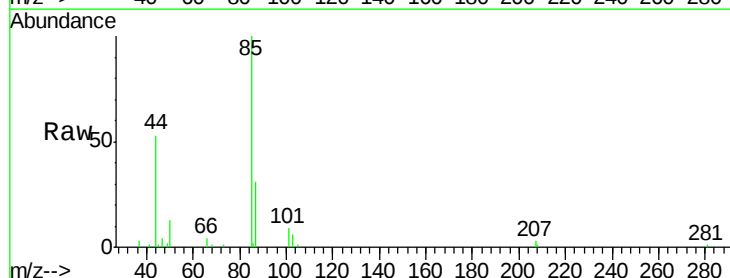
Acq: 2 Mar 2020 11:40

Tgt Ion: 85 Resp: 35101

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

10000

5000

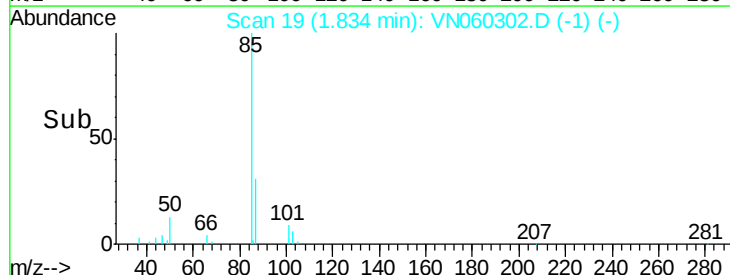
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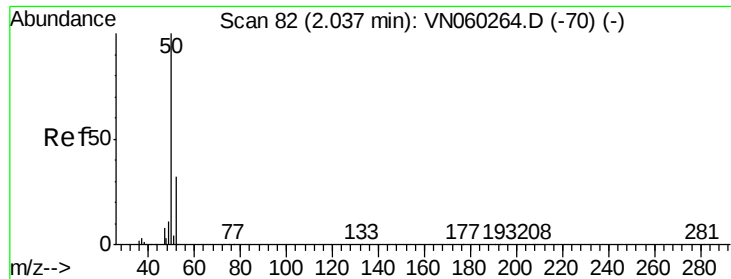
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.468 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0302MBS01

Tot Ion: 50 Resp: 61237

Ion Ratio Lower Upper

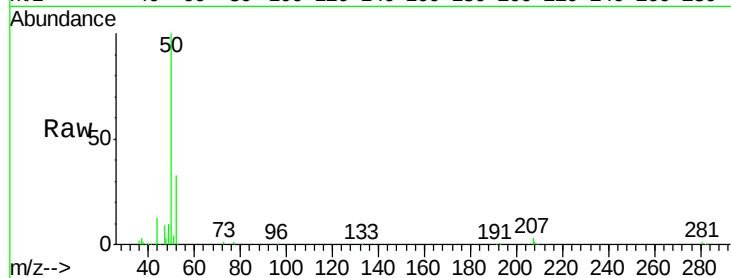
50 100

52 33.0 25.6 38.4

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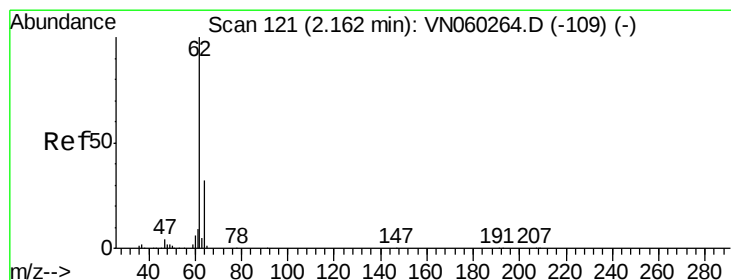
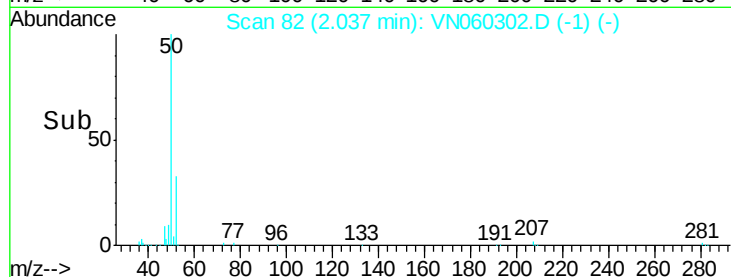
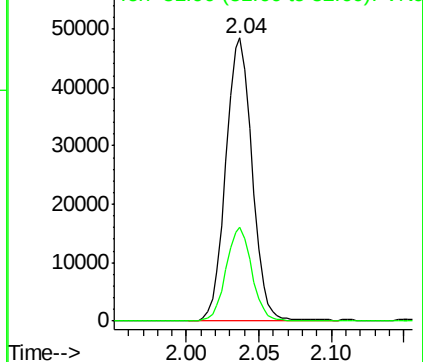
MMDadoda

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.568 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060302.D

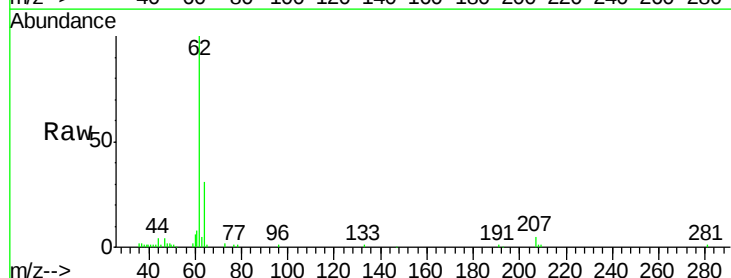
Acq: 2 Mar 2020 11:40

Tgt Ion: 62 Resp: 49957

Ion Ratio Lower Upper

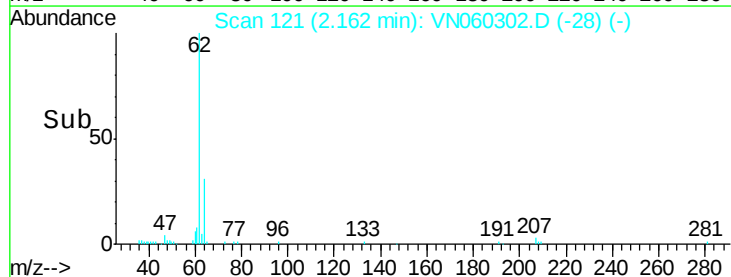
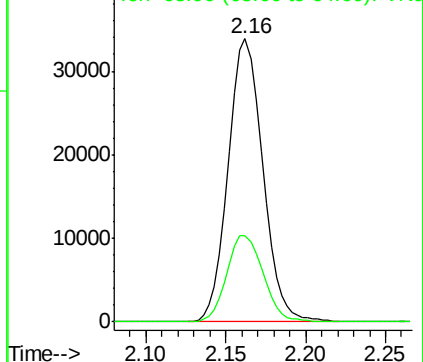
62 100

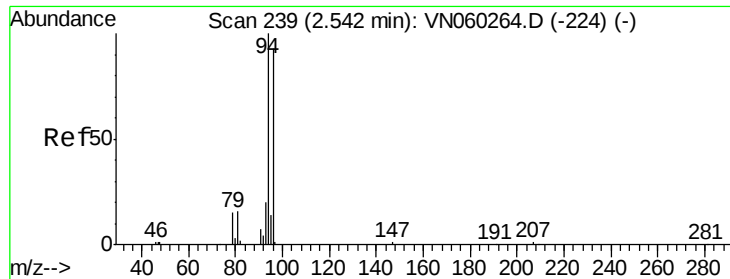
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.242 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0302MBS01

Tot Ion: 94 Resp: 20449

Ion Ratio Lower Upper

94 100

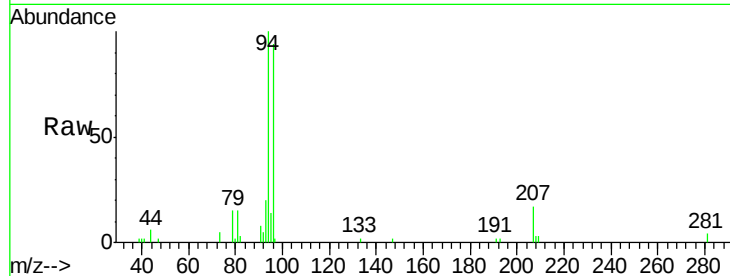
96 91.2 74.3 111.5

Manual Integrations

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3/3/2020 10:04:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

12000

10000

8000

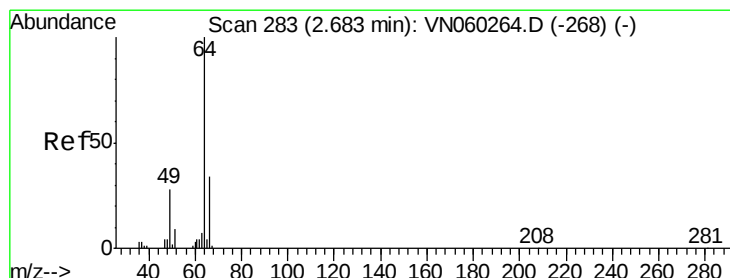
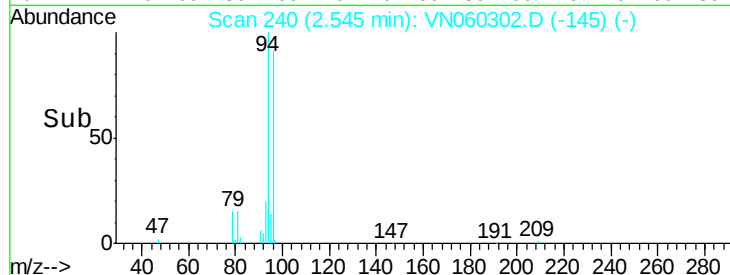
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 17.773 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060302.D

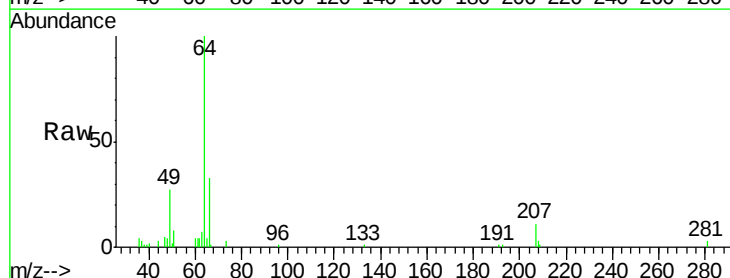
Acq: 2 Mar 2020 11:40

Tgt Ion: 64 Resp: 27383

Ion Ratio Lower Upper

64 100

66 33.3 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

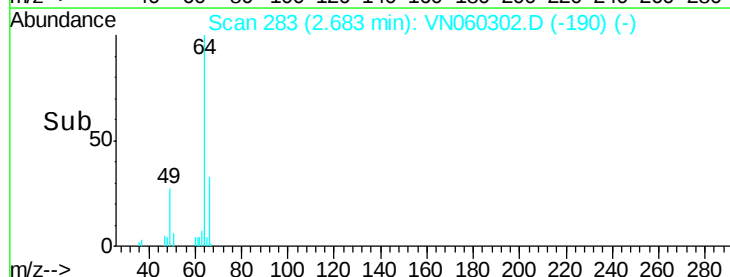
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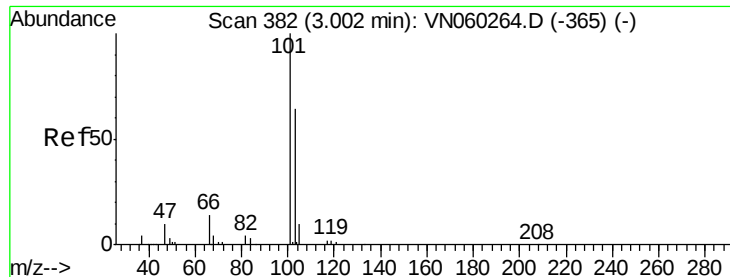
10000

5000

0

Time-->





#7

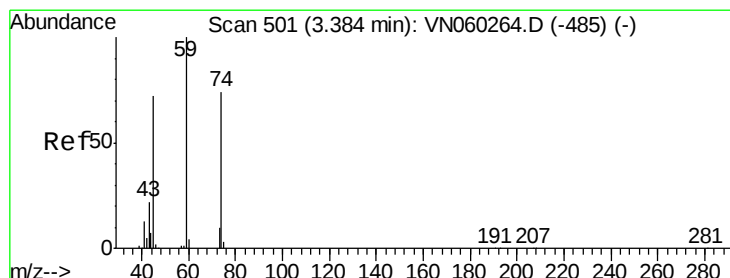
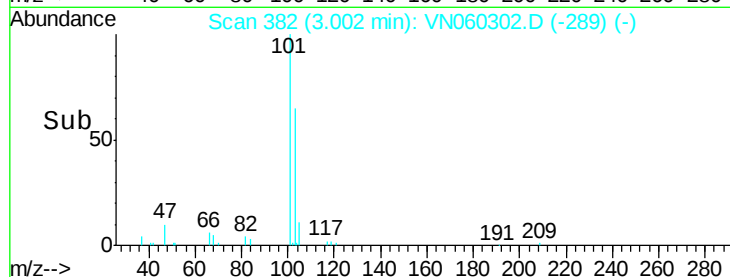
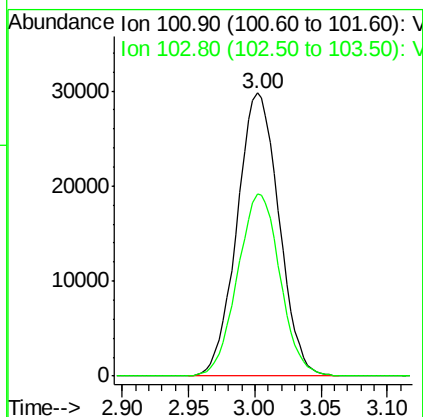
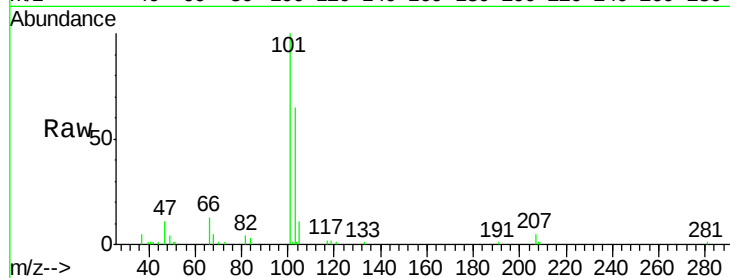
Trichlorofluoromethane
 Concen: 18.057 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
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 ClientSampled :
 VN0302MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		65607		
103	64.6	51.3	76.9		

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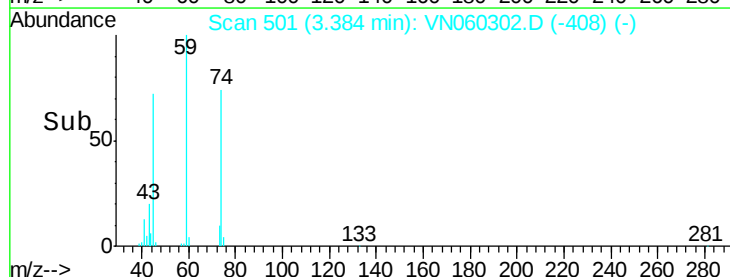
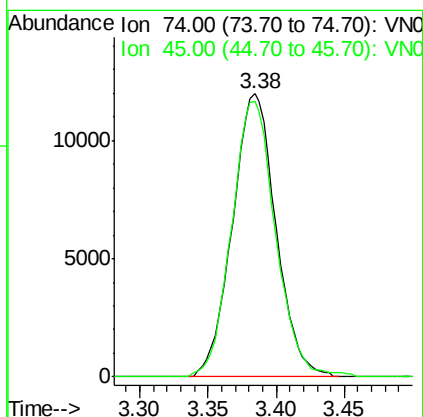
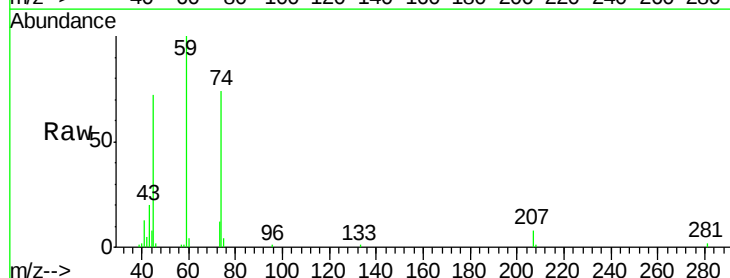
MMDadoda
 3/3/2020 10:04:16 AM



#8

Diethyl Ether
 Concen: 19.354 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		26550		
45	98.3	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.436 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

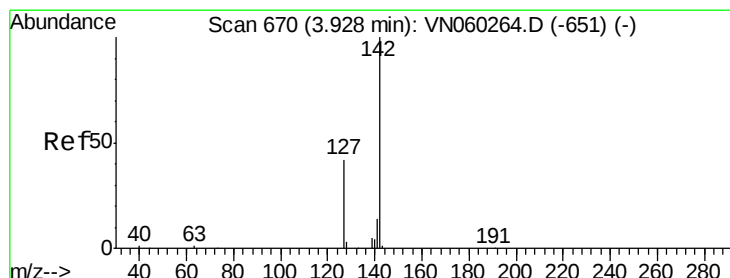
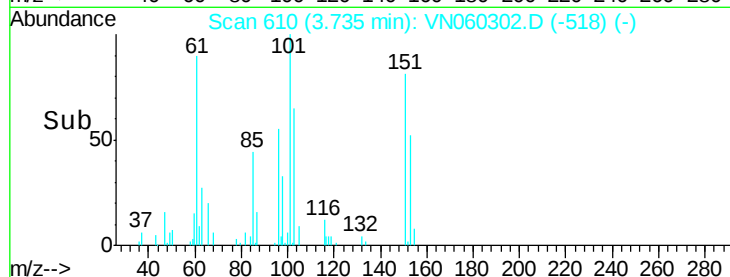
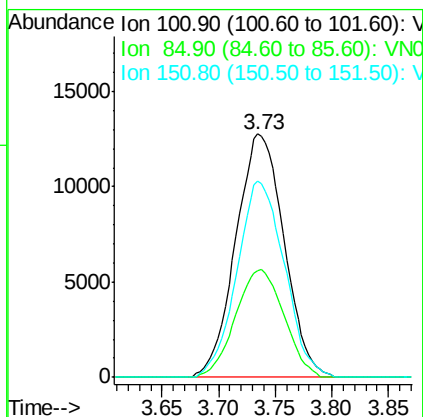
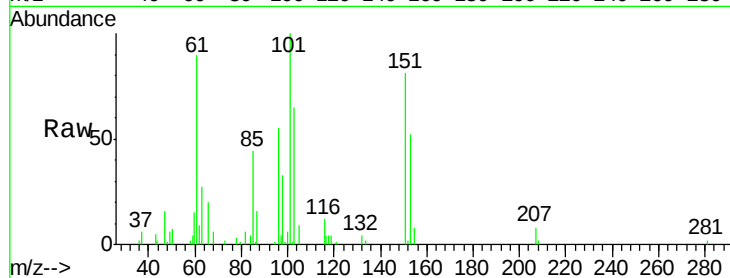
ClientSampleId :

VN0302MBS01

Tot Ion:	101	Resp:	37908
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.4	53.2
151	79.1	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.468 ug/l

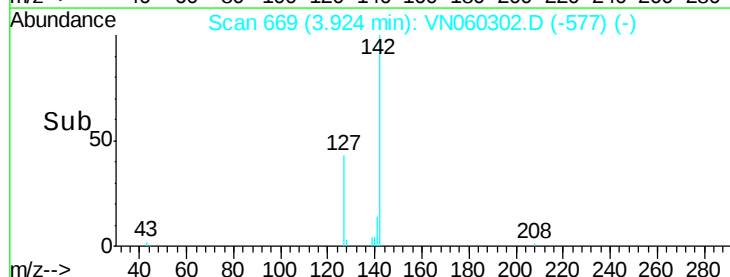
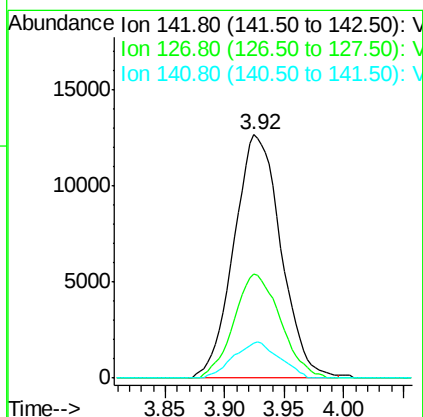
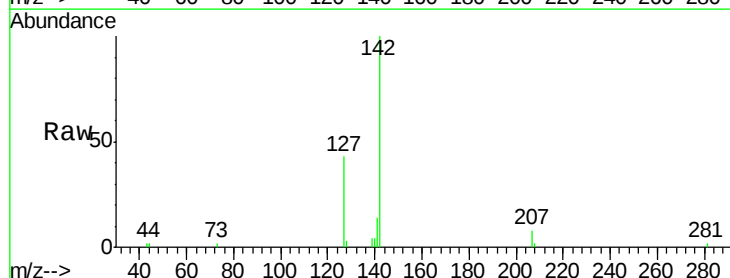
RT: 3.92 min Scan# 669

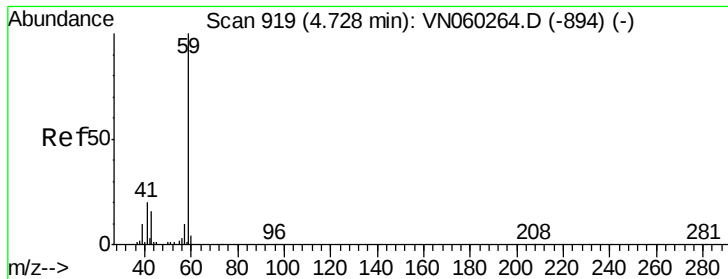
Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:	142	Resp:	34658
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.6
141	14.4	11.1	16.7





#11

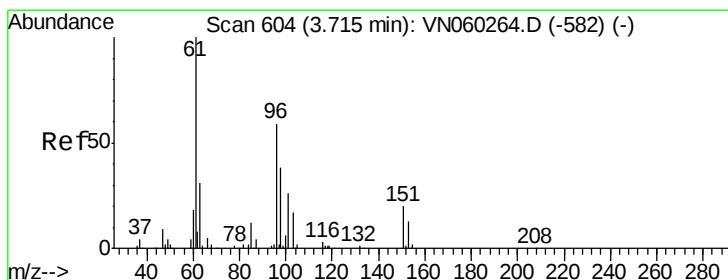
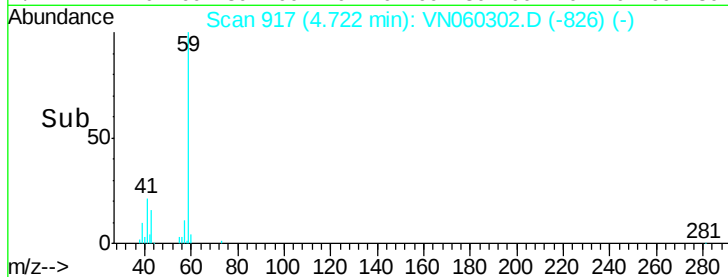
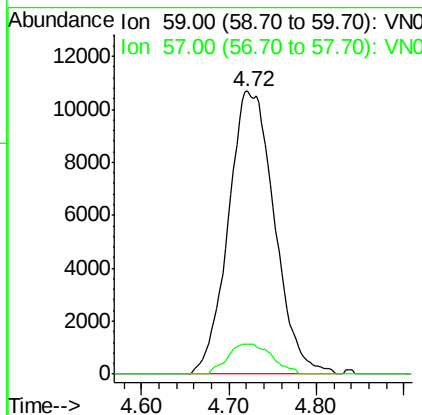
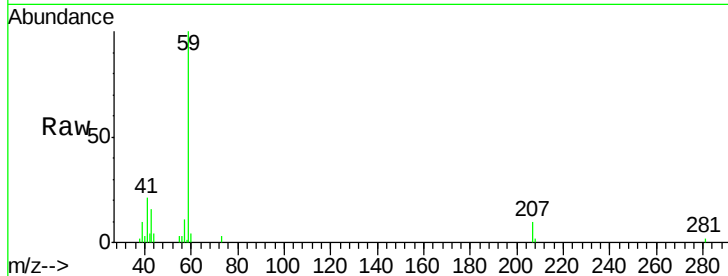
Tert butyl alcohol
Concen: 98.633 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

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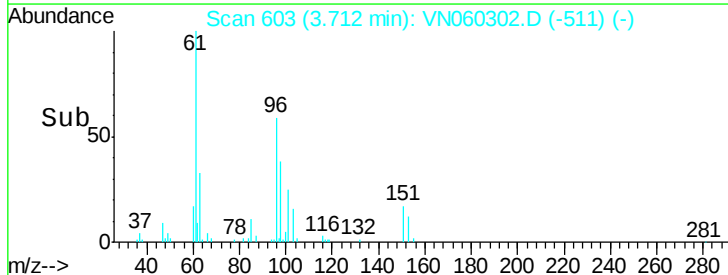
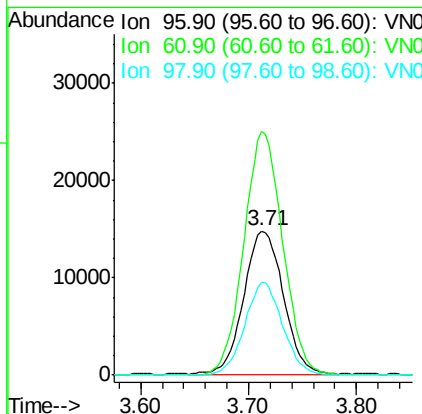
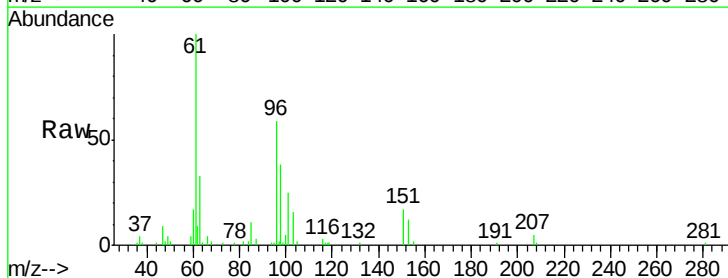
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#12

1,1-Dichloroethene
Concen: 19.143 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	135.4	203.0
98	64.1	51.6	77.4





#13

Acrolein

Concen: 91.999 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0302MBS01

Tot Ion: 56 Resp: 33965

Ion Ratio Lower Upper

56 100

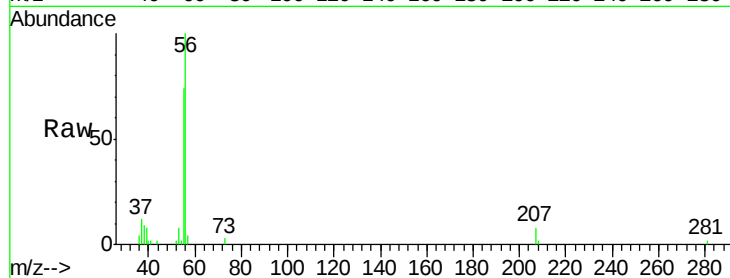
55 72.4 57.4 86.0

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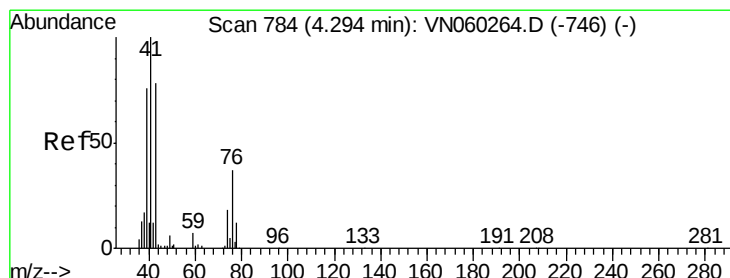
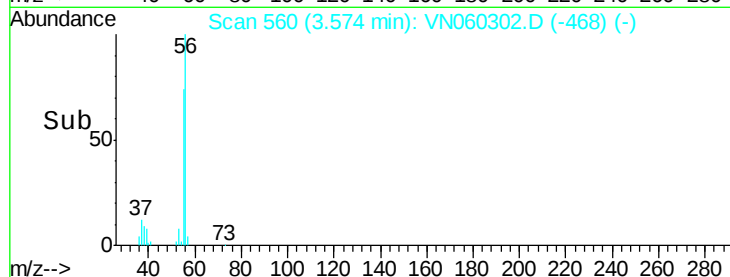
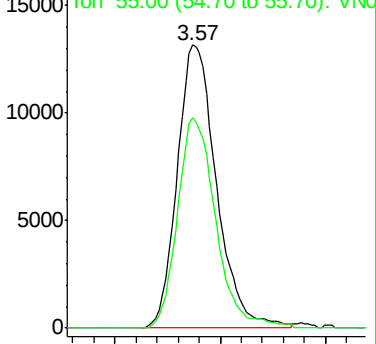
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Abundance Ion 56.00 (55.70 to 56.70): VN060302.D (-468) (-)



#14

Allyl chloride

Concen: 17.953 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

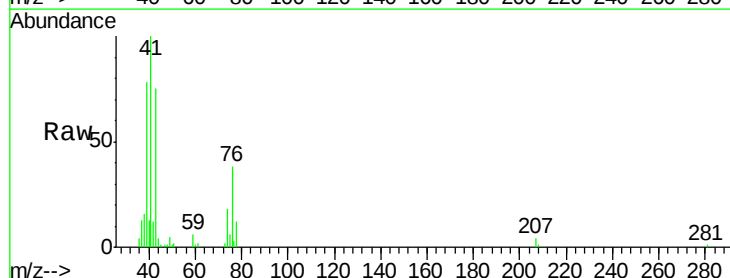
Tgt Ion: 41 Resp: 66060

Ion Ratio Lower Upper

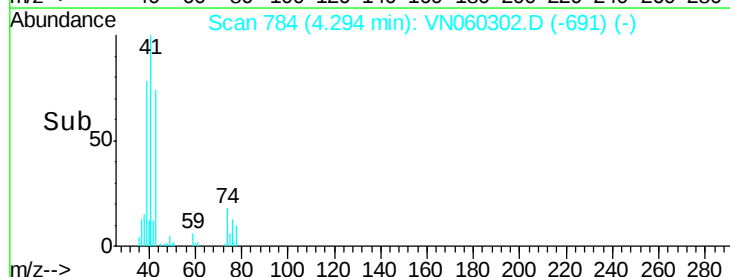
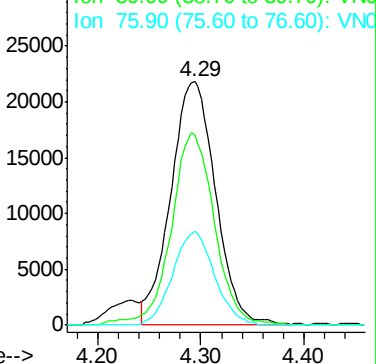
41 100

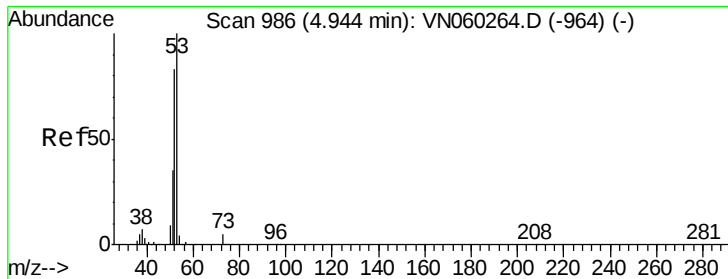
39 76.0 55.4 83.2

76 35.7 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN060302.D (-691) (-)





#15

Acrylonitrile

Concen: 97.550 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

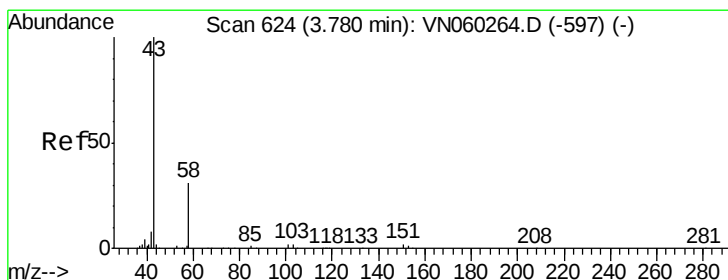
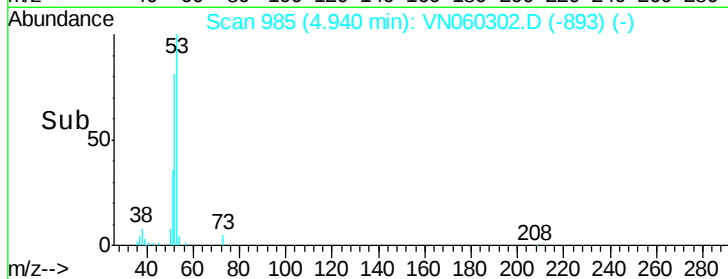
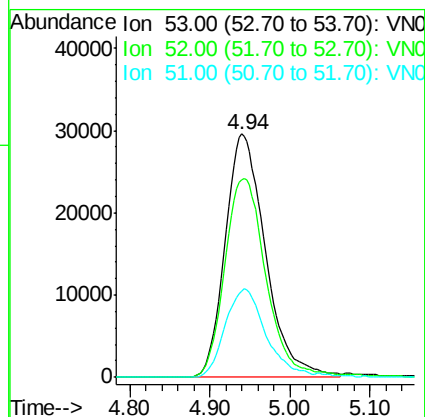
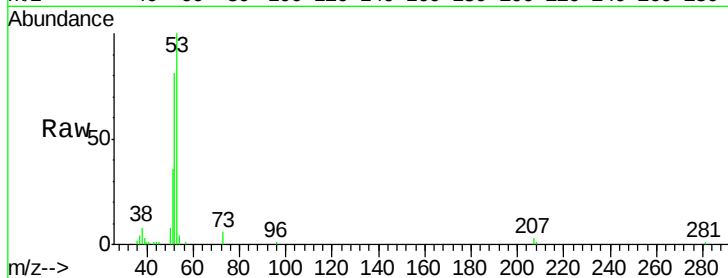
ClientSampleId :

VN0302MBS01

Tot Ion:	53	Resp:	101754
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.8	100.2
51	36.7	29.0	43.6

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#16

Acetone

Concen: 96.000 ug/l

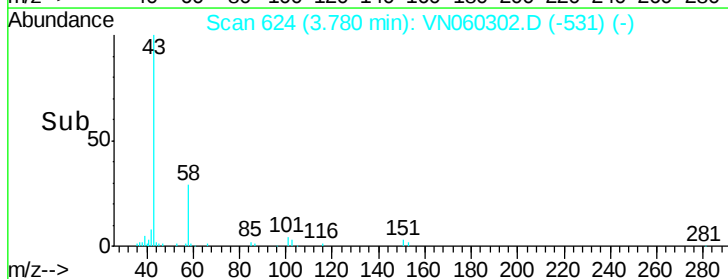
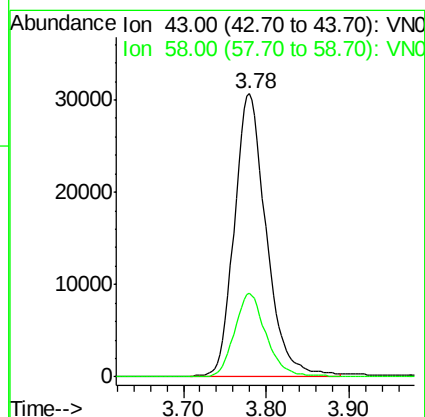
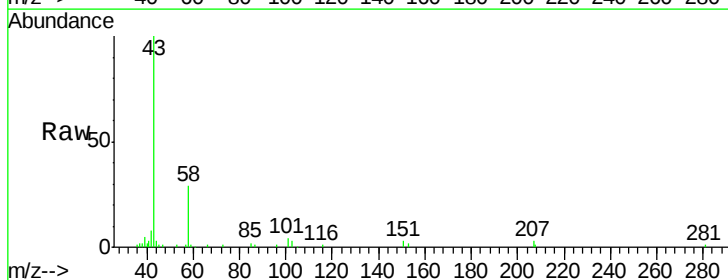
RT: 3.78 min Scan# 624

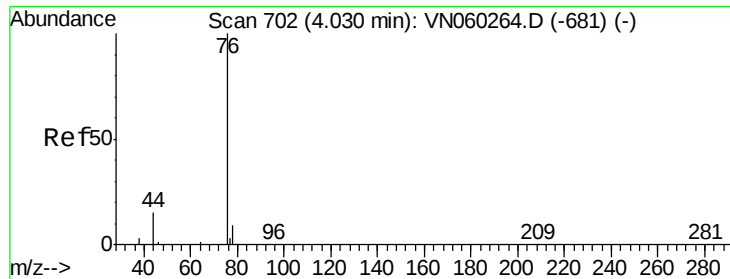
Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:	43	Resp:	82623
Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.6	36.8





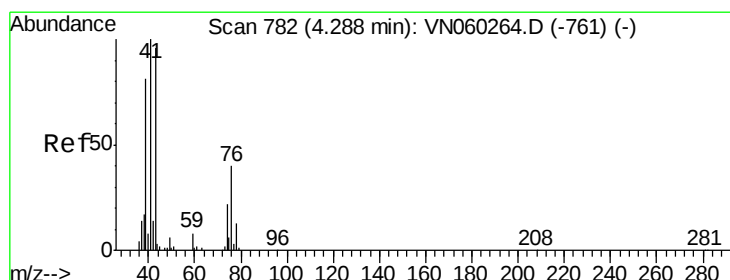
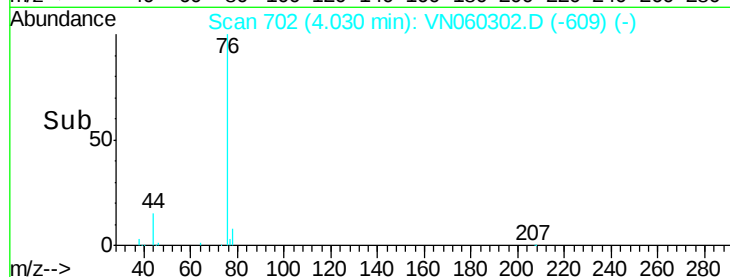
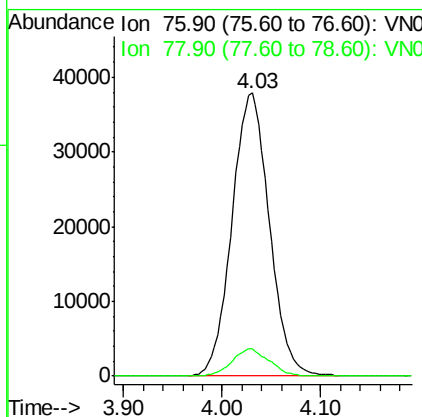
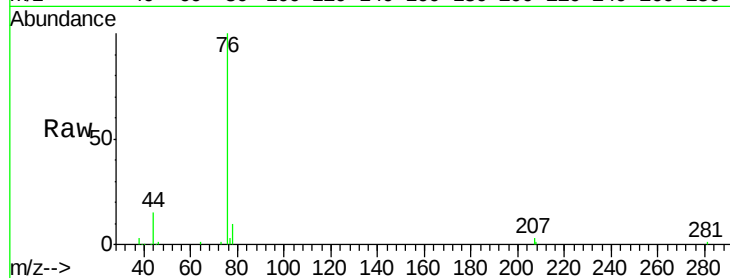
#17
Carbon Disulfide
Concen: 18.371 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

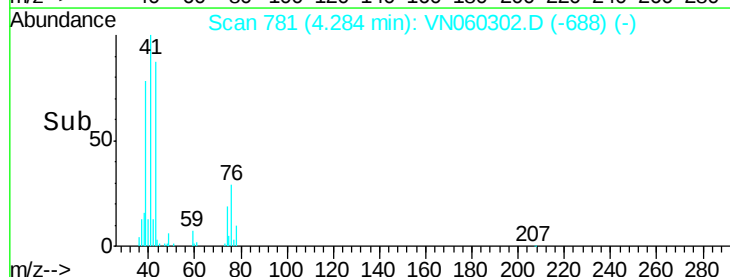
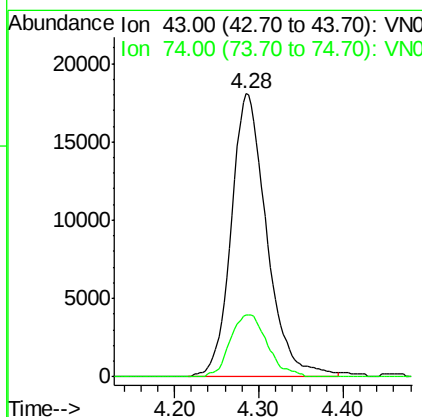
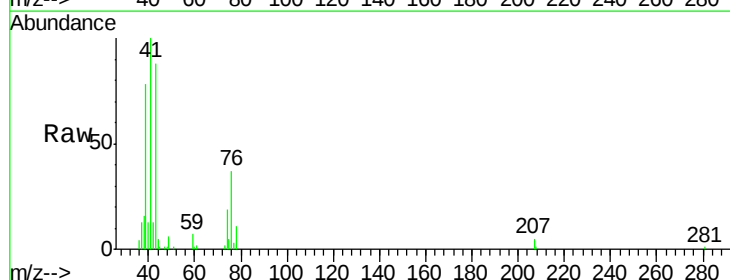
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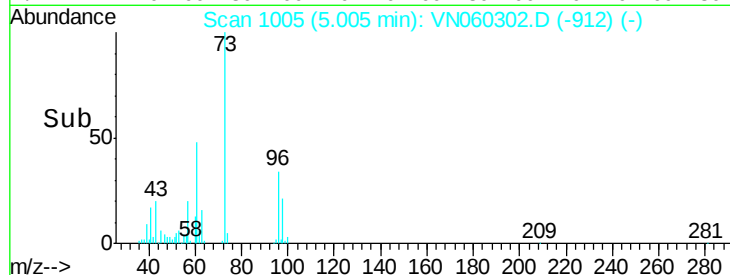
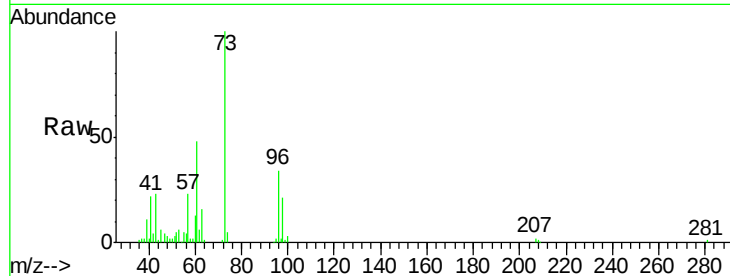
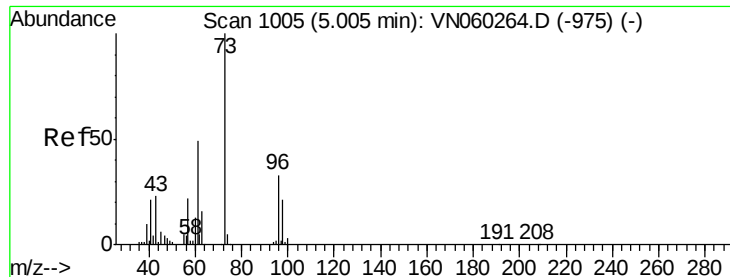
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#18
Methyl Acetate
Concen: 18.458 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.8	28.2





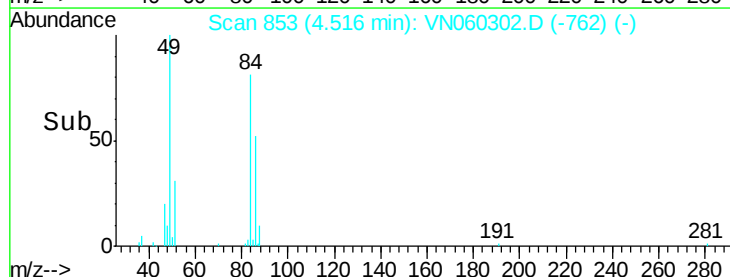
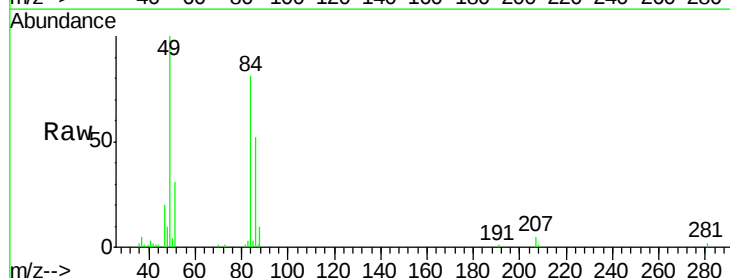
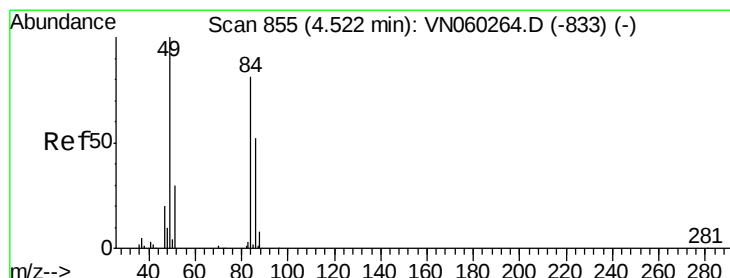
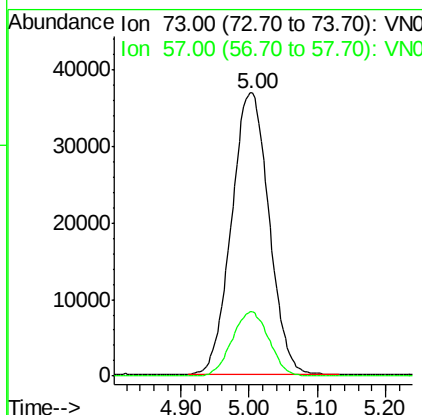
#19
Methvl tert-butvl Ether
Concen: 19.259 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	22.9	17.3	25.9

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

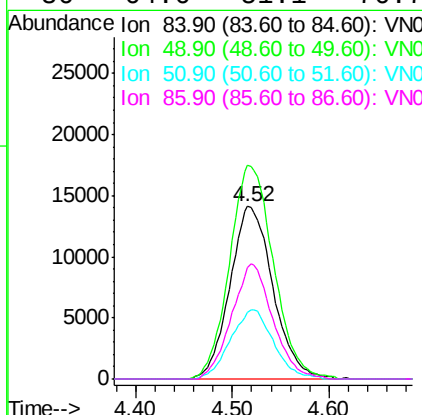
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#20
Methylene Chloride
Concen: 18.476 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	124.0	99.3	148.9
51	51	38.3	30.1	45.1
86	86	64.6	51.1	76.7





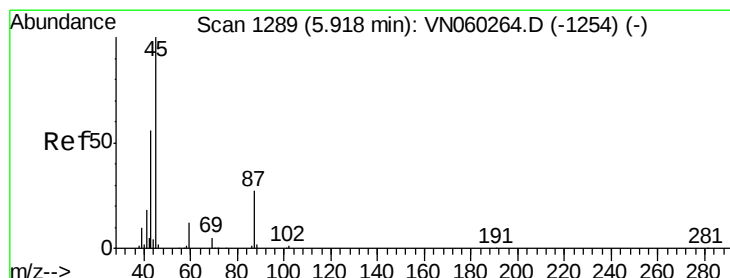
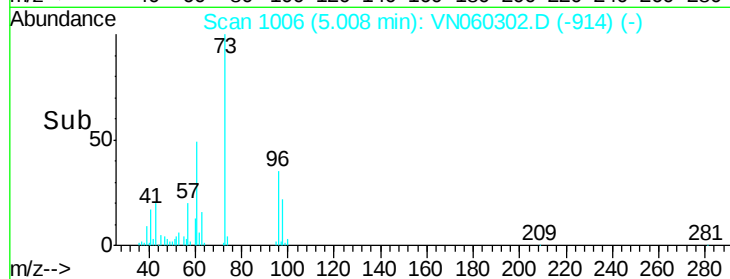
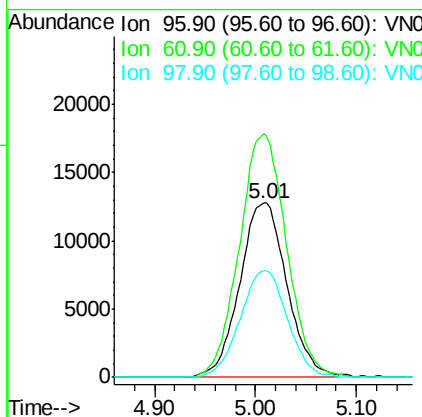
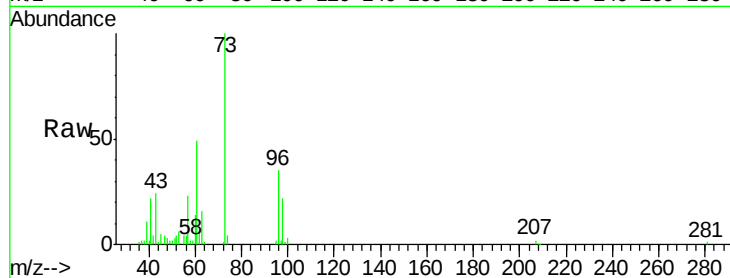
#21
trans-1,2-Dichloroethene
Concen: 19.059 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	113.8	170.8
98	61.3	48.8	73.2

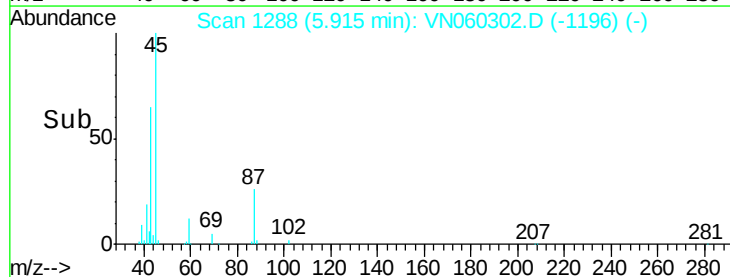
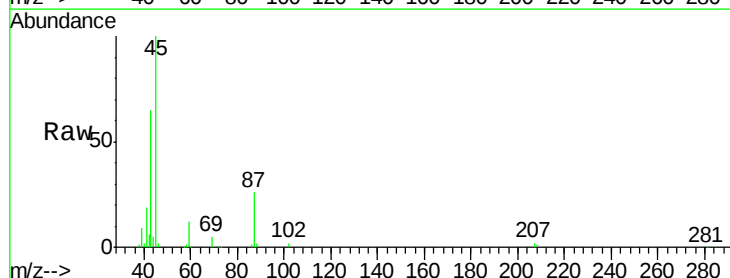
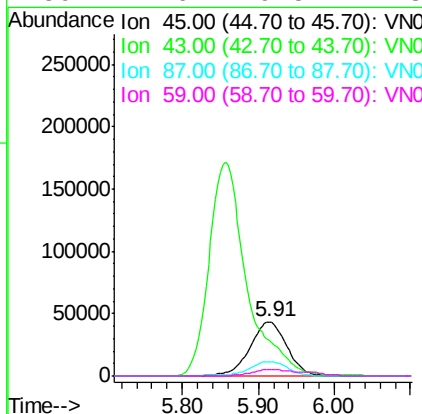
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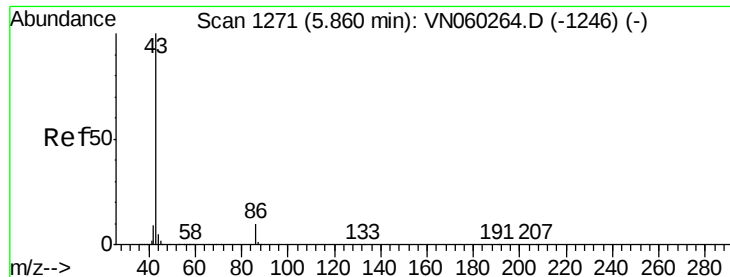
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#22
Diisopropyl ether
Concen: 19.699 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.3	48.6	72.8
87	26.4	22.2	33.2
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 100.007 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0302MBS01

Tot Ion: 43 Resp: 592309

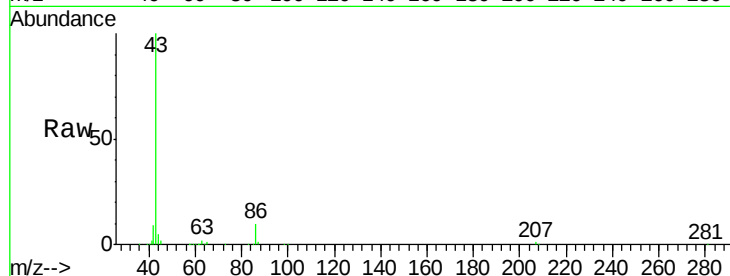
Ion Ratio Lower Upper

43 100

86 10.1 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

200000

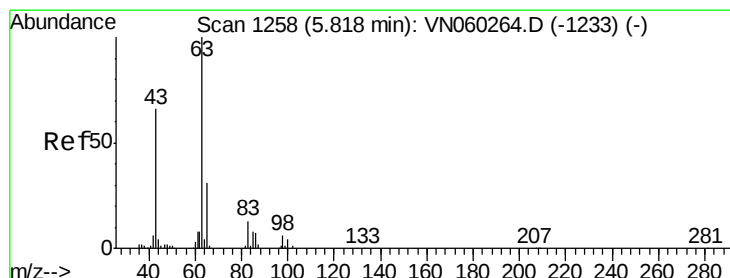
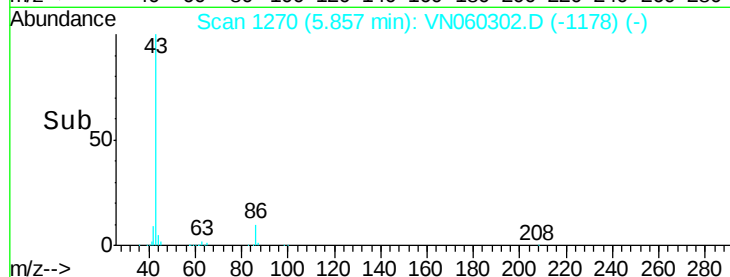
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.200 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

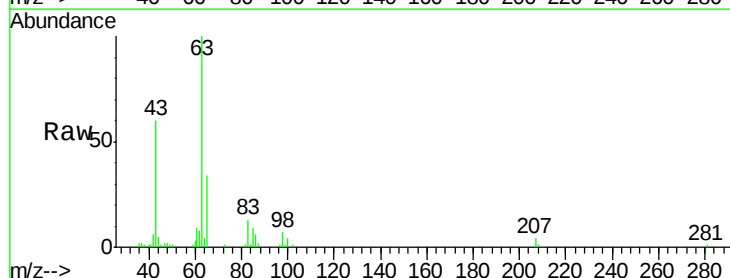
Tgt Ion: 63 Resp: 81005

Ion Ratio Lower Upper

63 100

98 7.2 3.0 9.0

100 3.9 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

5.81

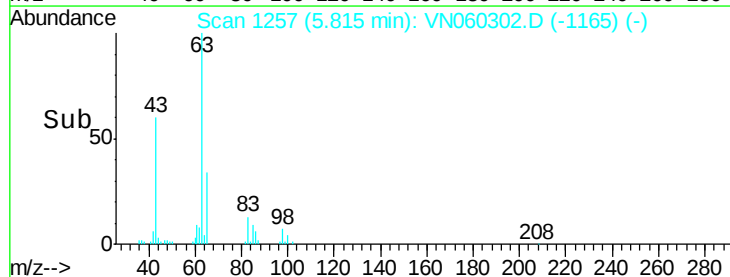
30000

20000

10000

0

Time-->





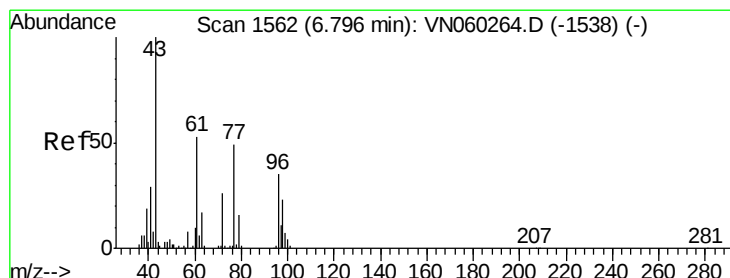
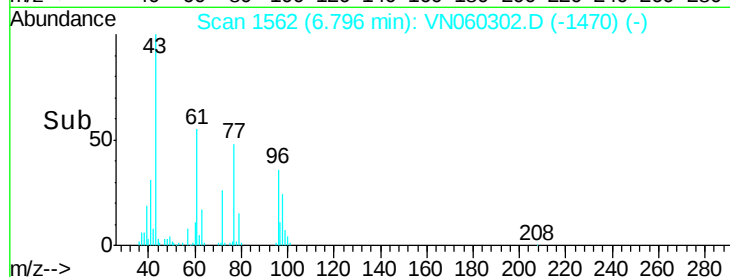
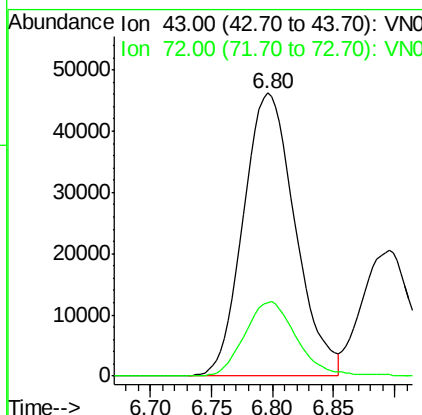
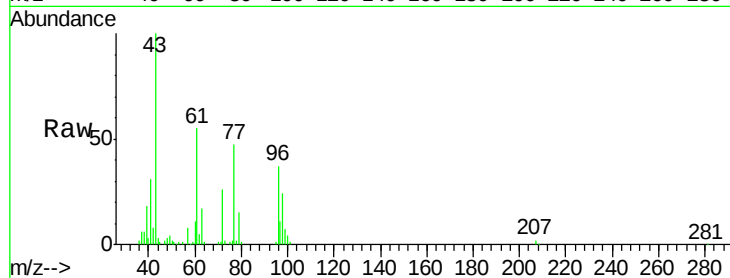
#25
2-Butanone
Concen: 97.992 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion: 43 Resp: 136225
Ion Ratio Lower Upper
43 100
72 26.1 20.9 31.3

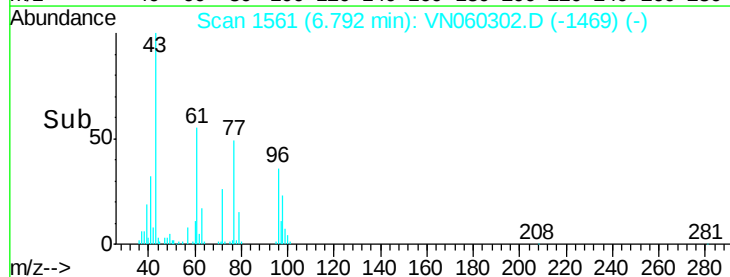
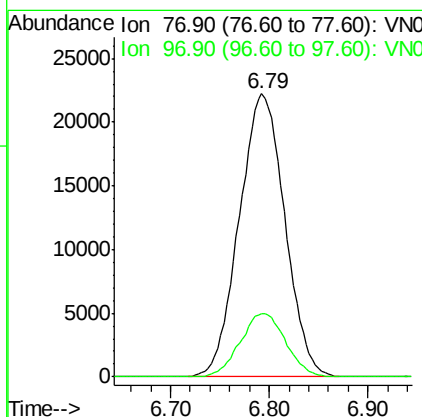
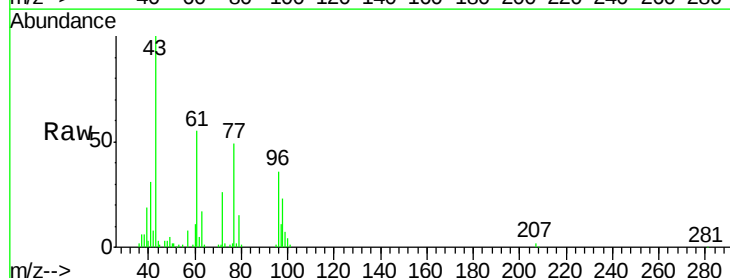
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#26
2,2-Dichloropropane
Concen: 18.521 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 77 Resp: 71138
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.984 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

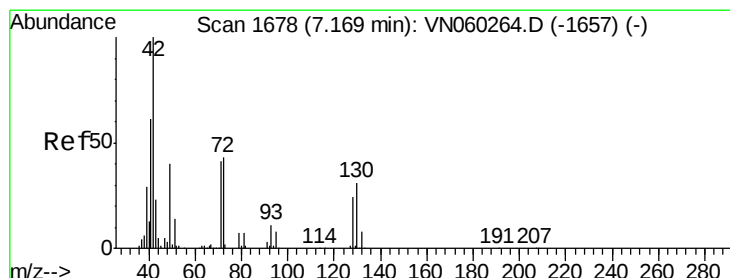
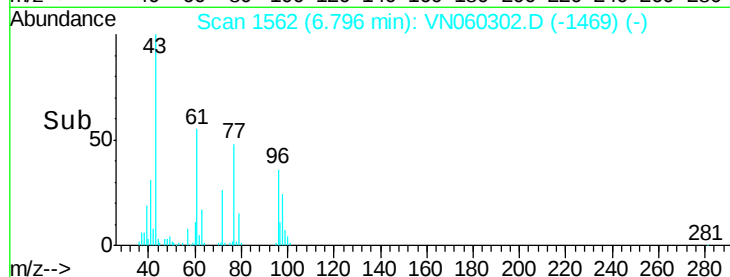
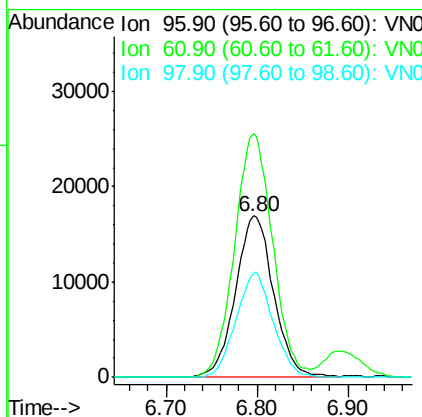
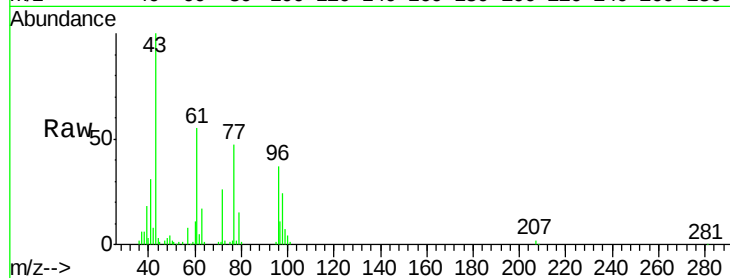
ClientSampled :

VN0302MBS01

Tot Ion:	96	Resp:	49290
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	300.8
98	63.0	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.793 ug/l

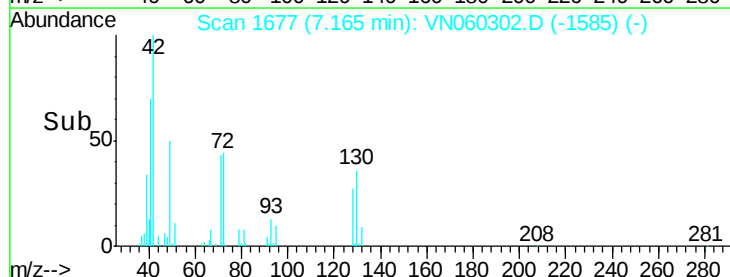
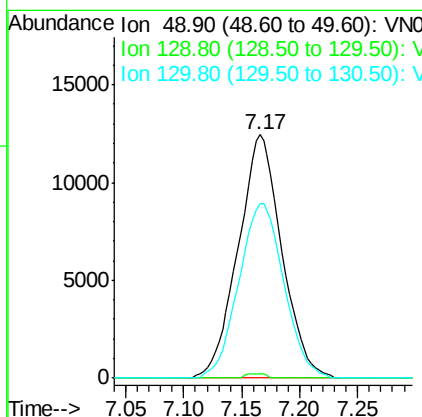
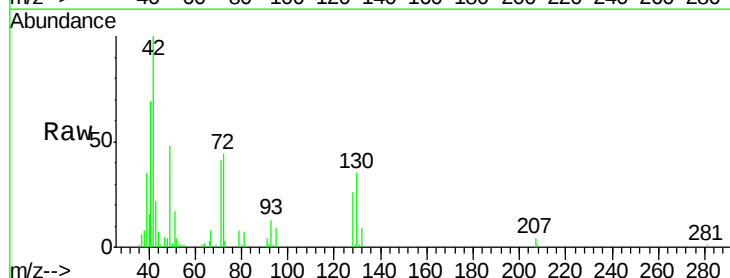
RT: 7.17 min Scan# 1677

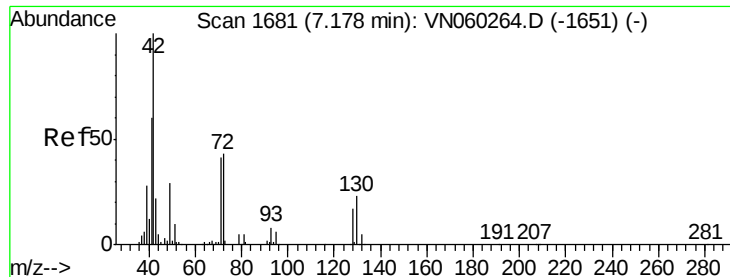
Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:	49	Resp:	32555
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	74.1	59.8	89.8





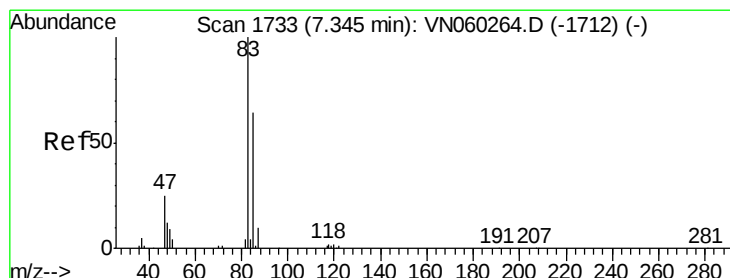
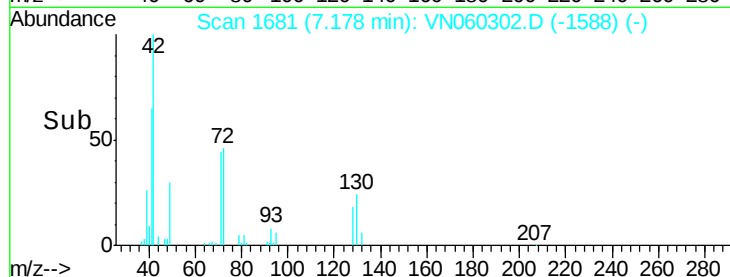
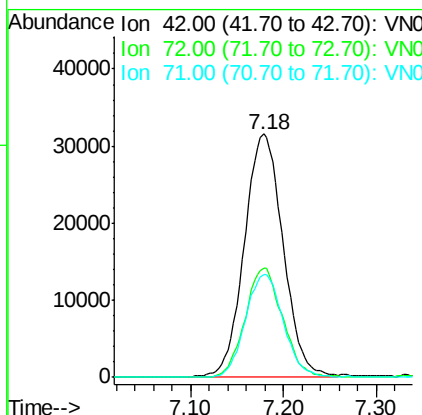
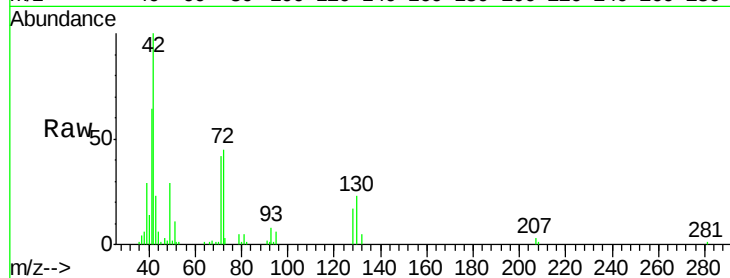
#29
Tetrahydrofuran
Concen: 95.083 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	41.0	32.9	49.3

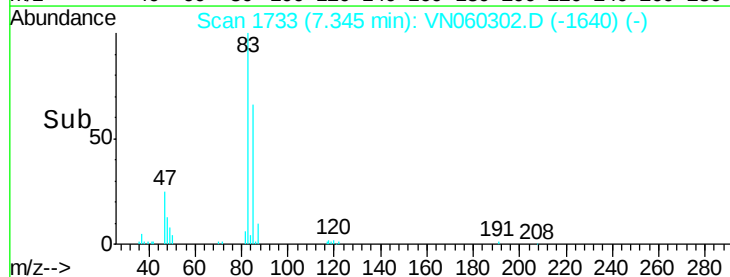
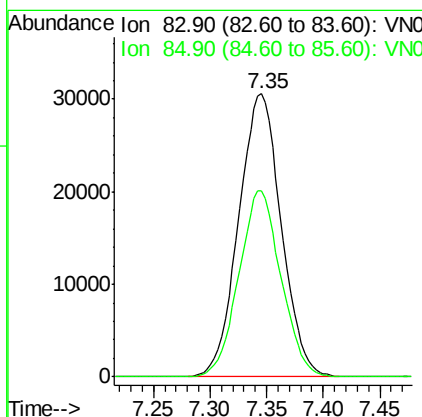
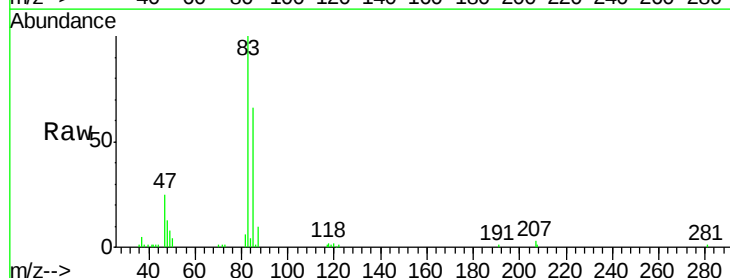
Manual Integrations
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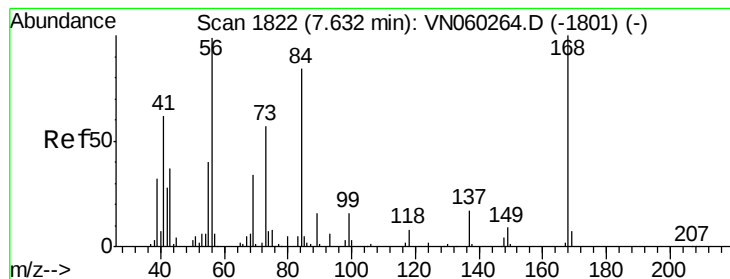
MMDadoda
3/3/2020 10:04:16 AM



#30
Chloroform
Concen: 19.035 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.2





#31

Cyclohexane

Concen: 19.617 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

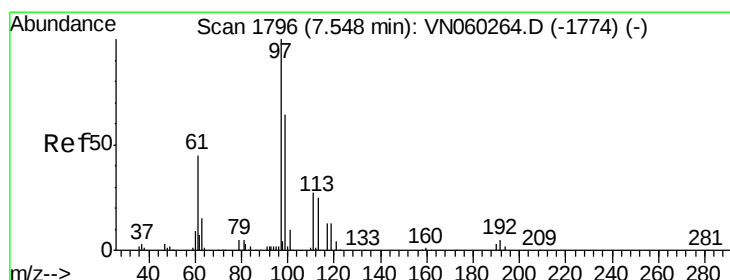
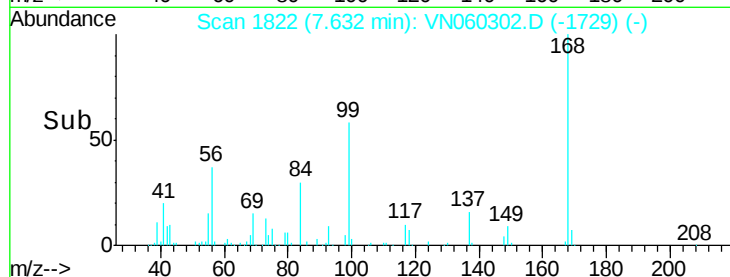
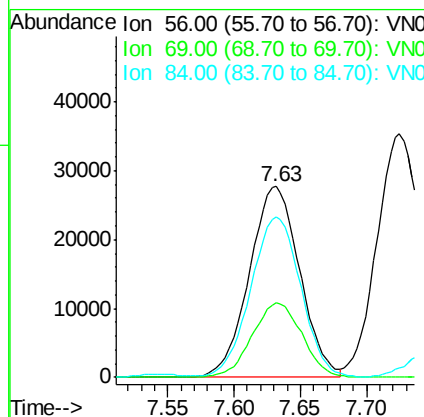
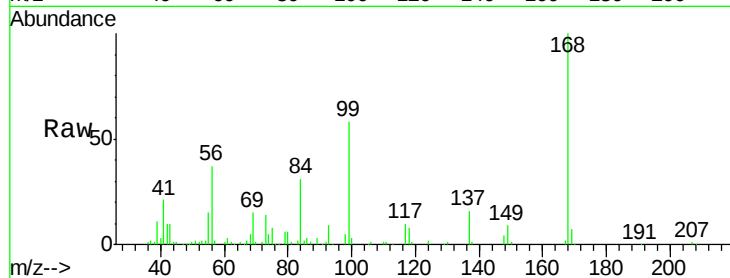
ClientSampleId :

VN0302MBS01

Tot Ion:	56	Resp:	73561
Ion	Ratio	Lower	Upper
56	100		
69	39.0	27.2	40.8
84	83.3	66.7	100.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.043 ug/l

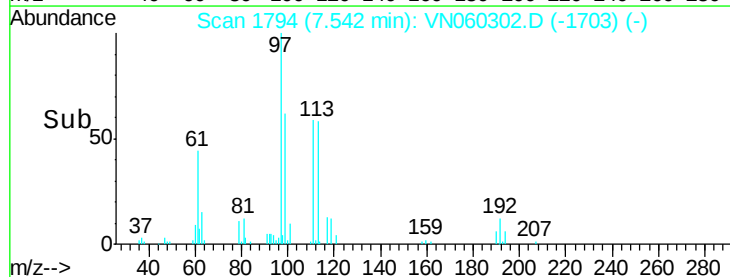
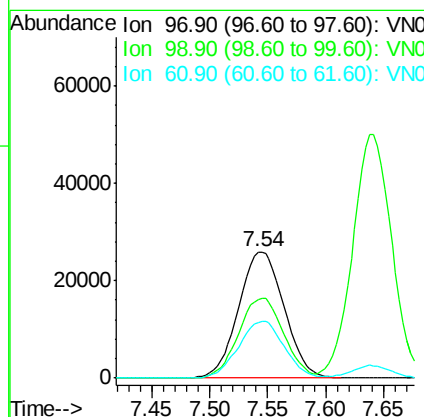
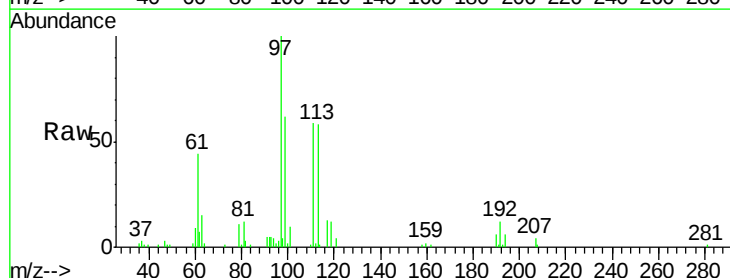
RT: 7.54 min Scan# 1794

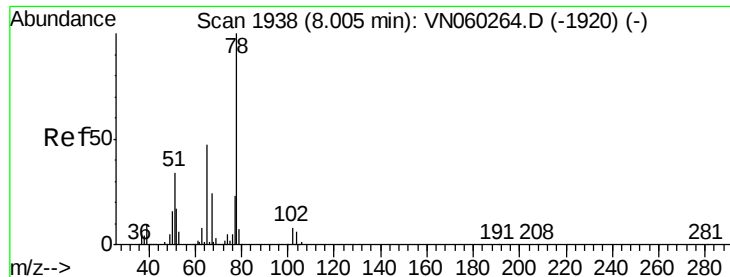
Delta R.T. -0.01 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:	97	Resp:	70863
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.0
61	45.2	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 50.120 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0302MBS01

Tot Ion: 65 Resp: 133576

Ion Ratio Lower Upper

65 100

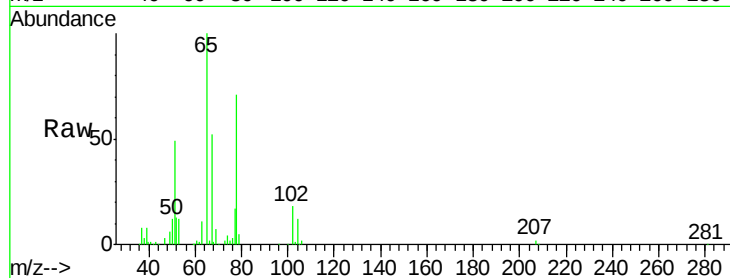
67 52.3 0.0 103.8

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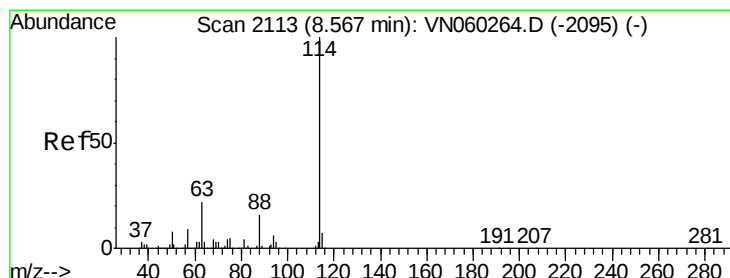
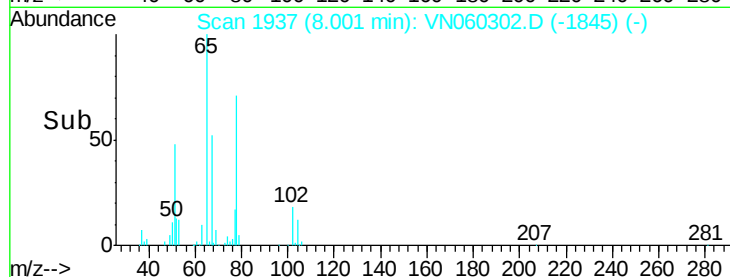
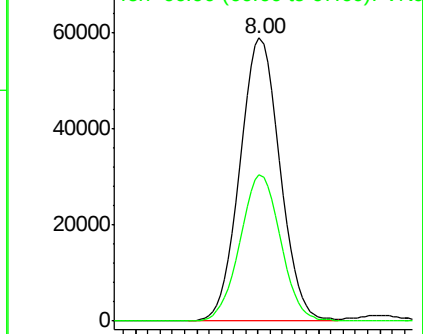
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Abundance Ion 64.90 (64.60 to 65.60): VN060302.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060302.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

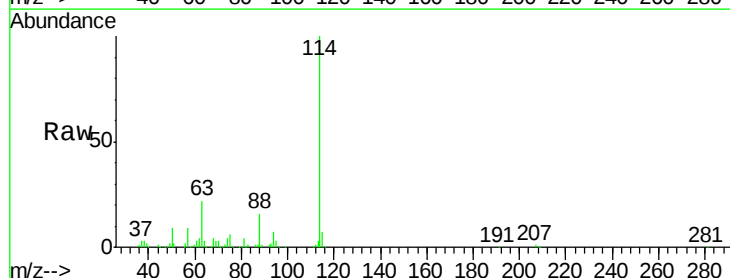
Tgt Ion: 114 Resp: 339711

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

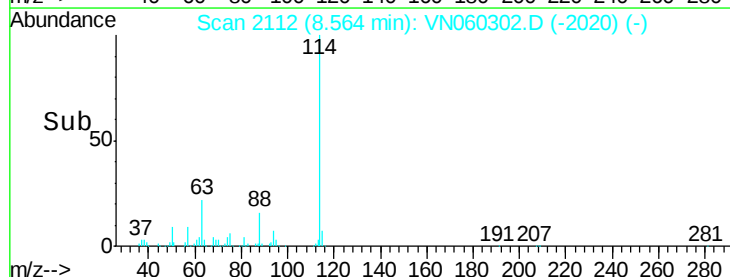
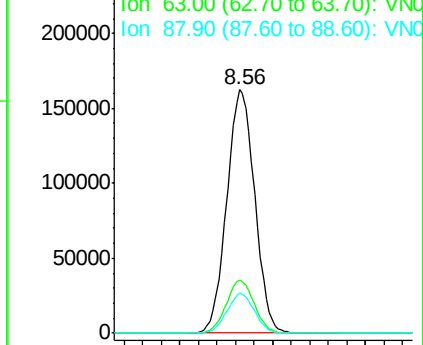
88 16.2 0.0 31.6

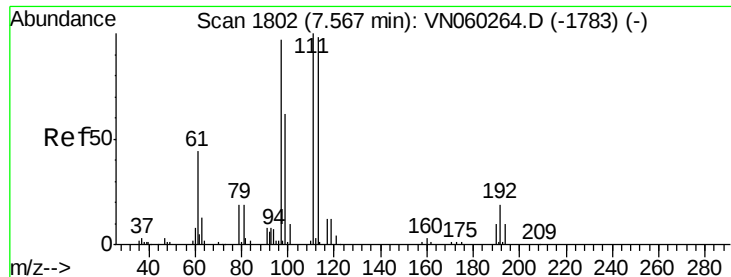


Abundance Ion 113.90 (113.60 to 114.60): VN060302.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060302.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060302.D (-2020) (-)





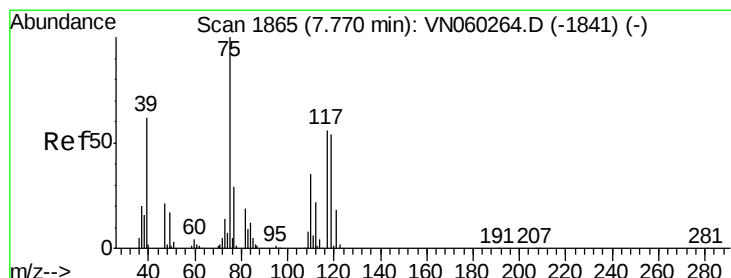
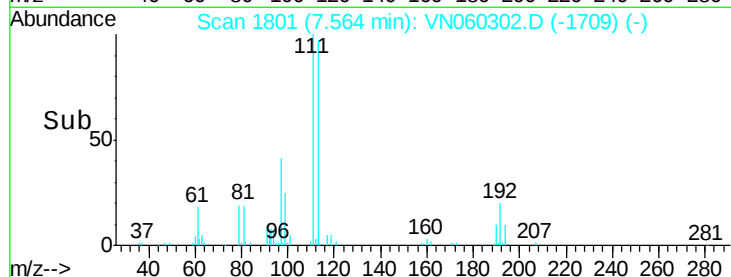
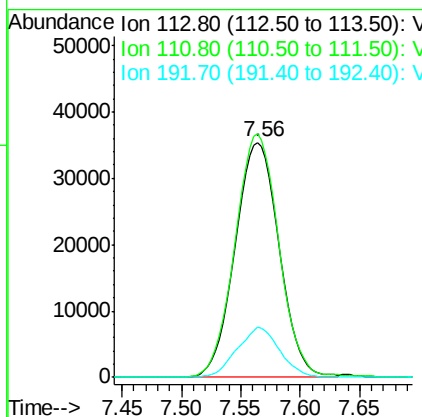
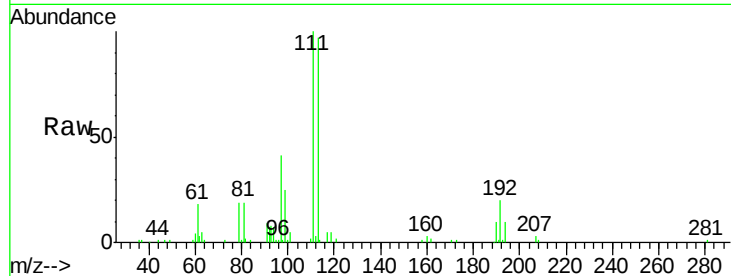
#35
 Dibromofluoromethane
 Concen: 57.689 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0302MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	20.4	16.2	24.2

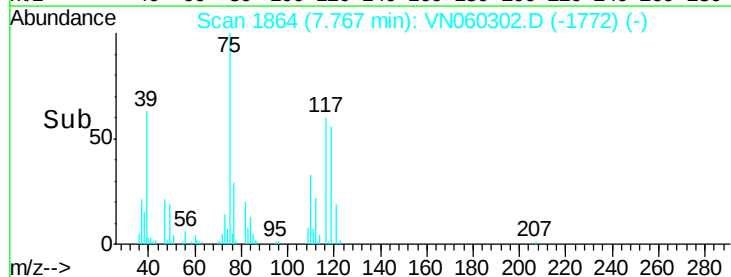
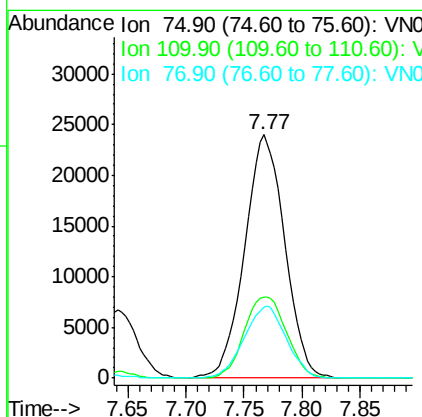
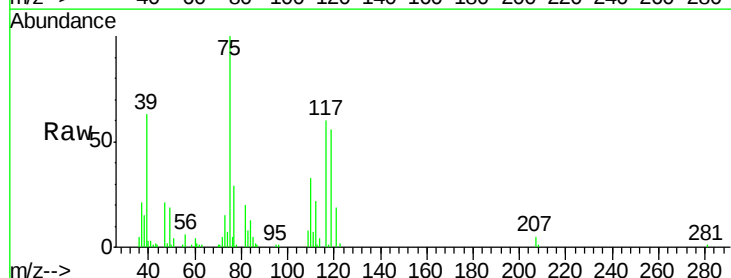
Manual Integrations
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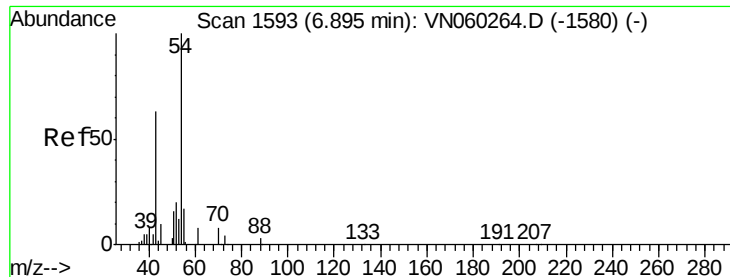
MMDadoda
 3/3/2020 10:04:16 AM



#36
 1,1-Dichloropropene
 Concen: 17.869 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	31.0	24.2	36.2





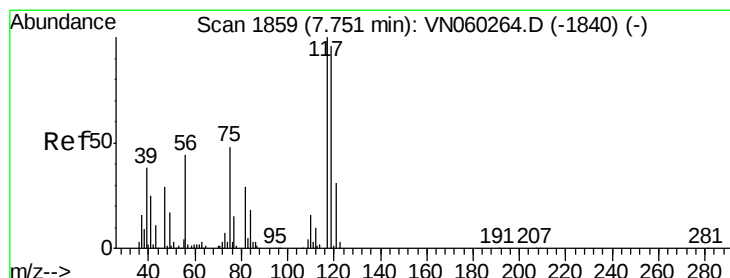
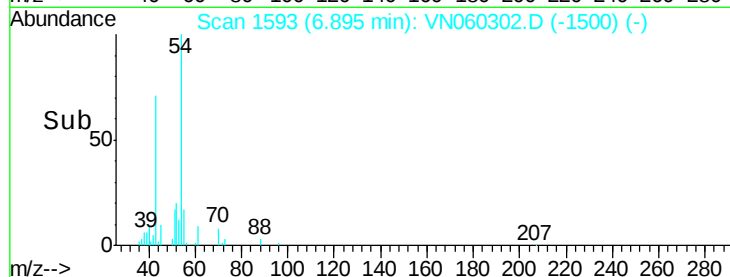
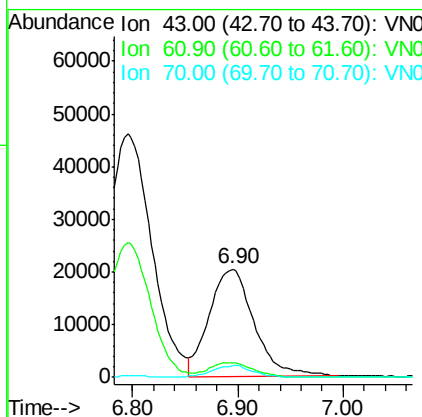
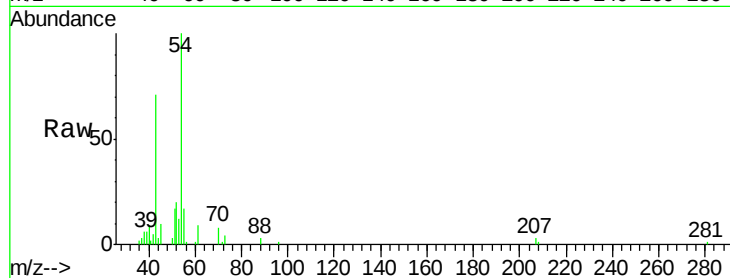
#37
Ethyl Acetate
Concen: 19.595 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	9.9	8.4	12.6

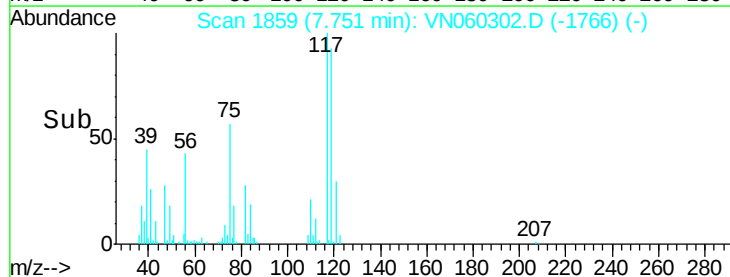
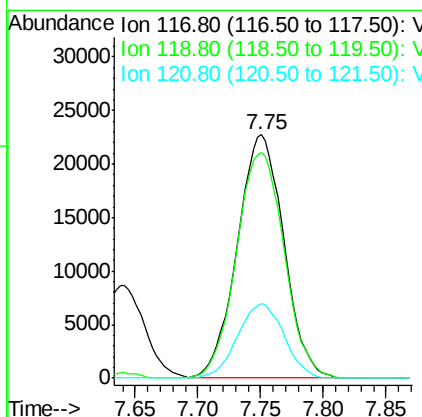
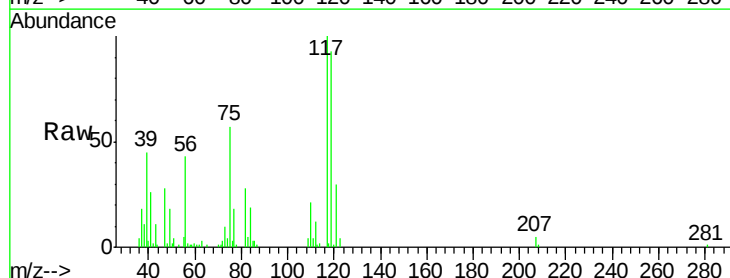
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.578 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.7	115.1
121	30.5	24.5	36.7





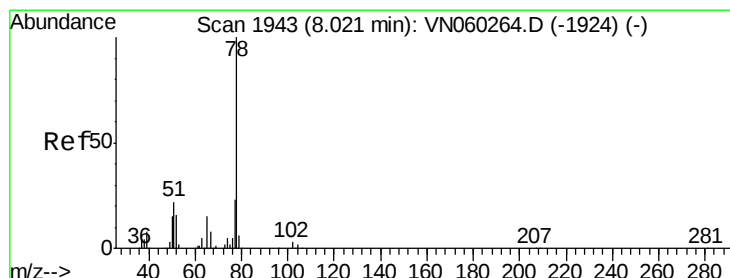
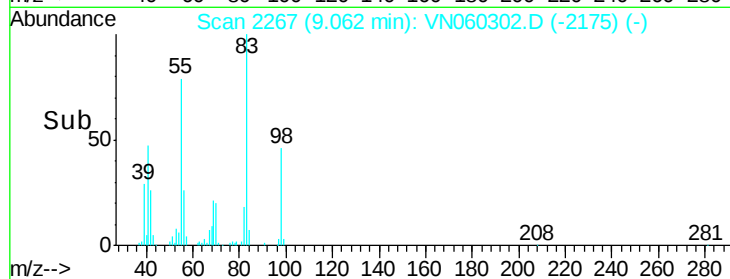
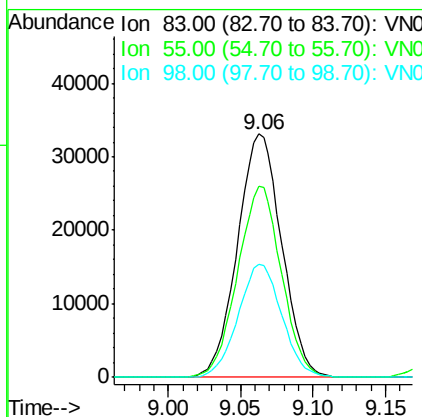
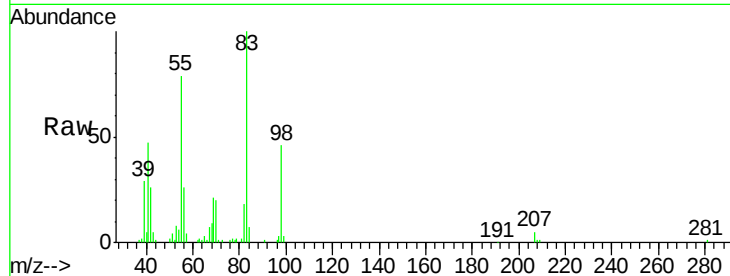
#39
Methvlcvclohexane
Concen: 18.369 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	61.0	91.4
98	46.5	36.1	54.1

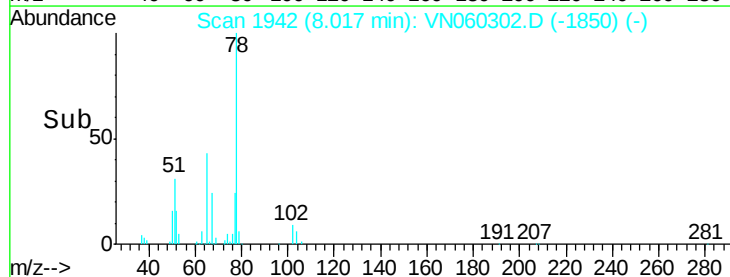
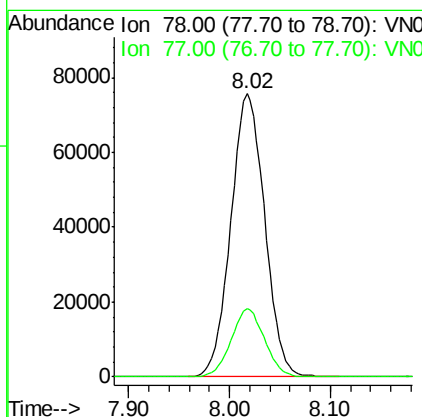
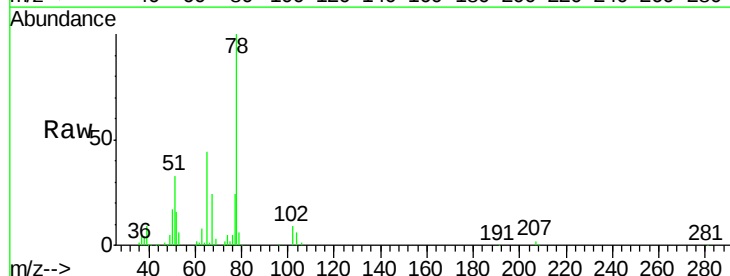
Manual Integrations
APPROVED

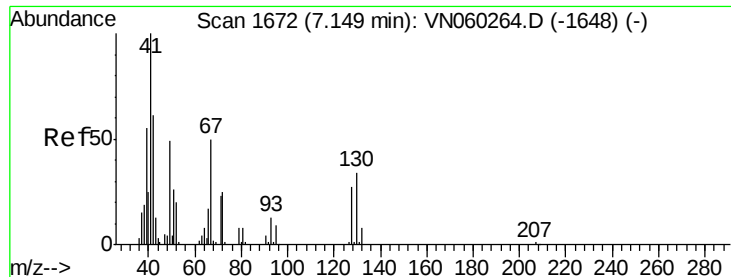
MMDadoda
3/3/2020 10:04:16 AM



#40
Benzene
Concen: 18.721 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





#41

Methacrylonitrile

Concen: 21.131 ug/l

RT: 7.14 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

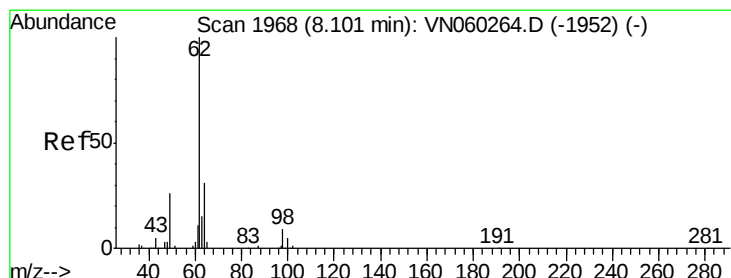
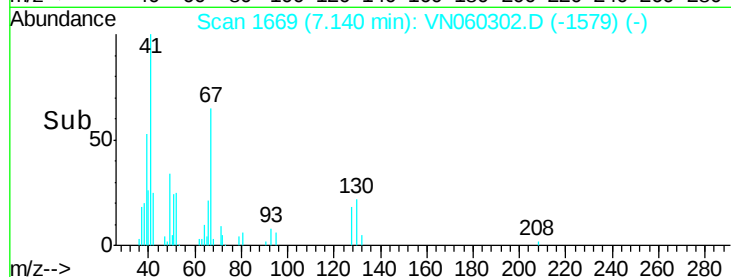
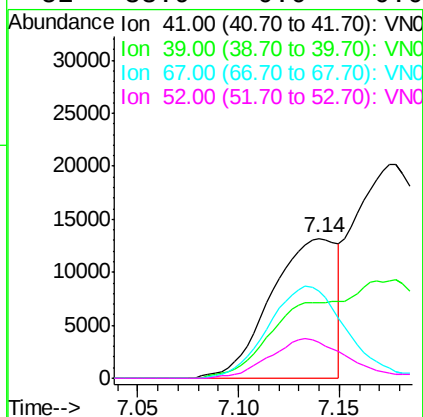
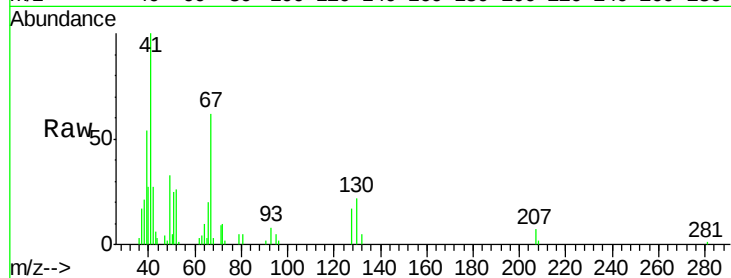
ClientSampled :

VN0302MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29911		
39	0.0	0.0	0.0		
67	78.7	0.0	0.0#		
52	33.9	0.0	0.0#		

Manual Integrations
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MMDadoda
3/3/2020 10:04:16 AM



#42

1,2-Dichloroethane

Concen: 19.531 ug/l

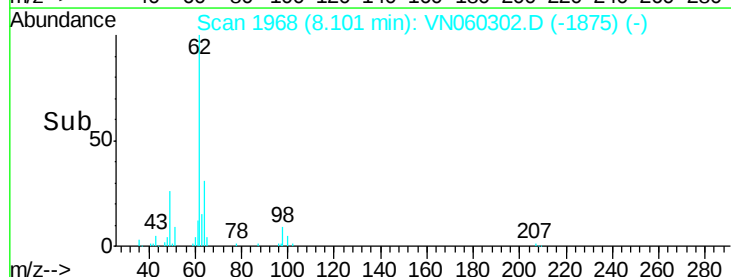
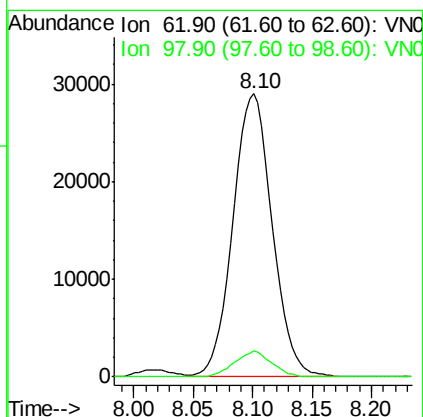
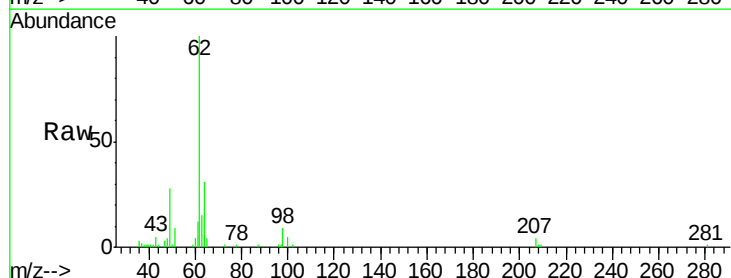
RT: 8.10 min Scan# 1968

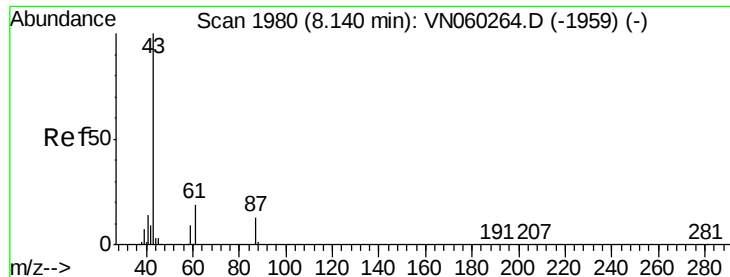
Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		66415		
98	8.5	0.0	17.0		





#43

Isopropyl Acetate

Concen: 19.690 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

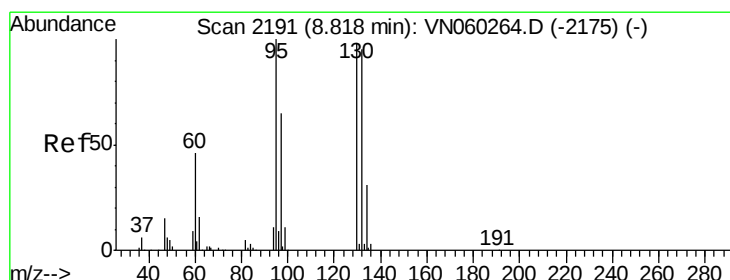
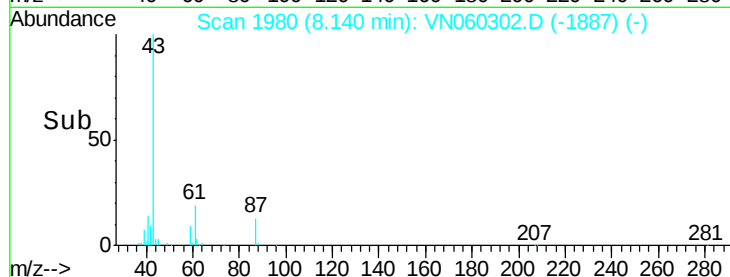
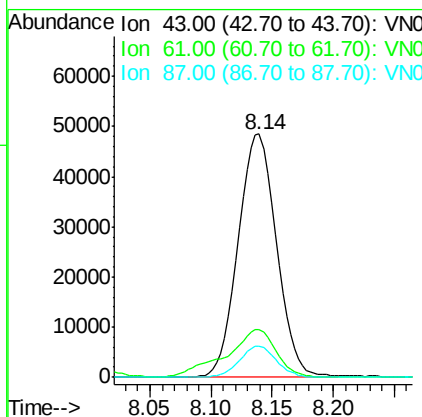
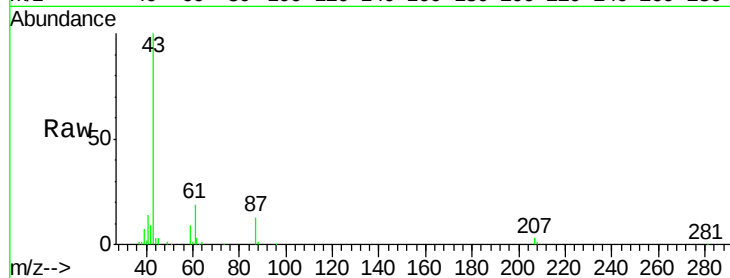
ClientSampleId :

VN0302MBS01

Tot Ion:	43	Resp:	105676
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.9	31.3
87	12.3	10.6	16.0

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#44

Trichloroethene

Concen: 18.298 ug/l

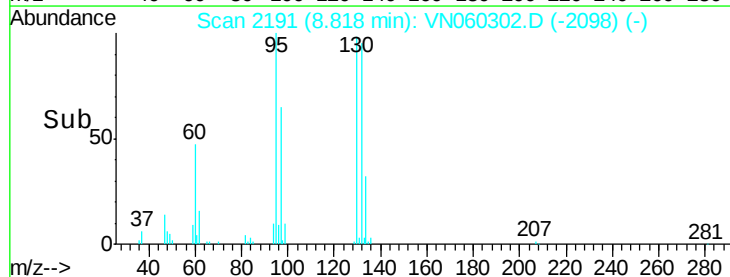
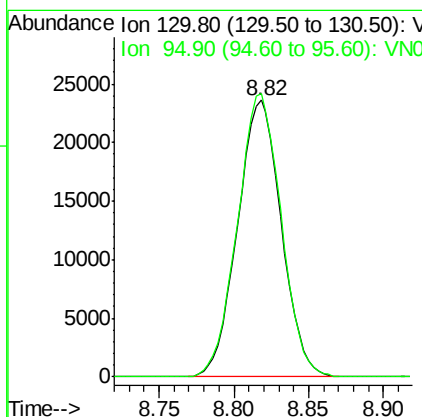
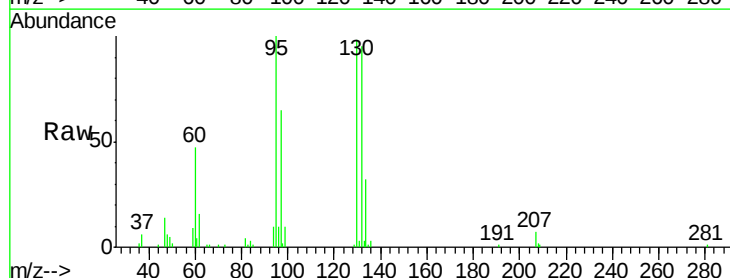
RT: 8.82 min Scan# 2191

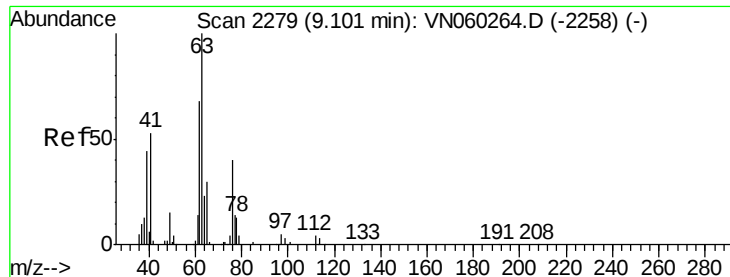
Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:	130	Resp:	48022
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.500 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0302MBS01

Tot Ion: 63 Resp: 48042

Ion Ratio Lower Upper

63 100

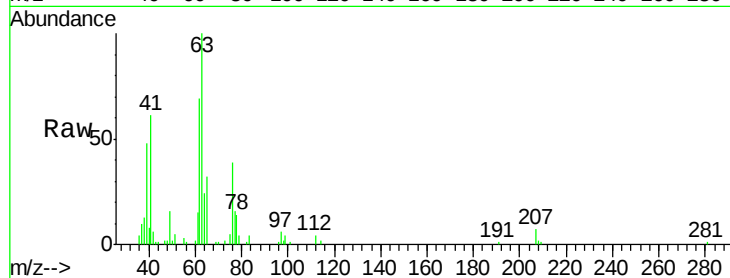
65 31.6 24.4 36.6

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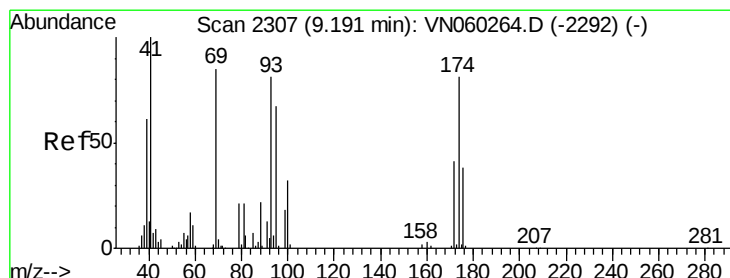
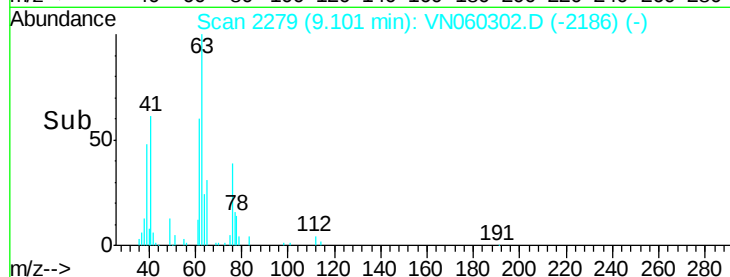
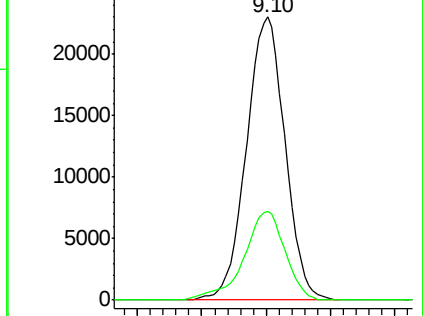
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.370 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

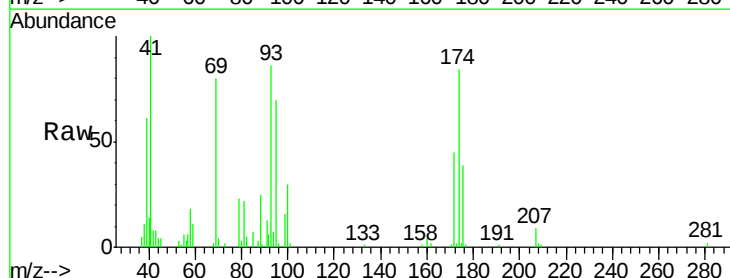
Tgt Ion: 93 Resp: 30966

Ion Ratio Lower Upper

93 100

95 82.1 65.9 98.9

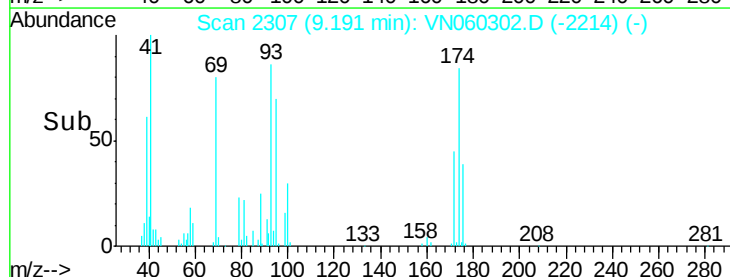
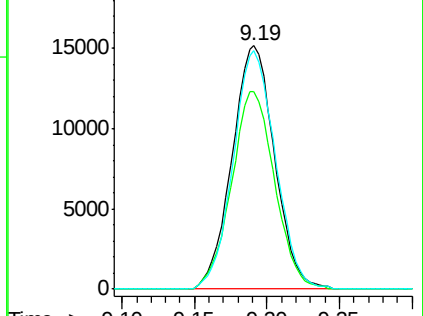
174 97.0 79.6 119.4

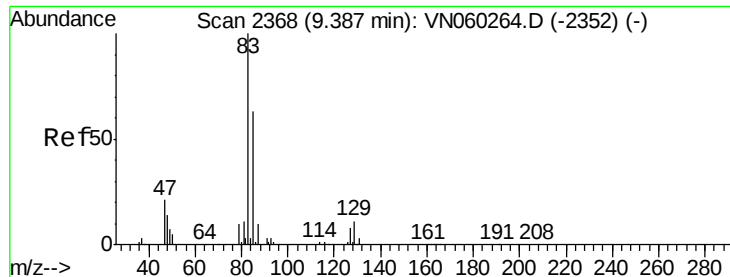


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.466 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

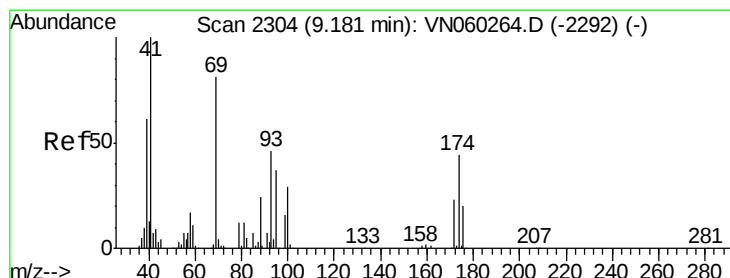
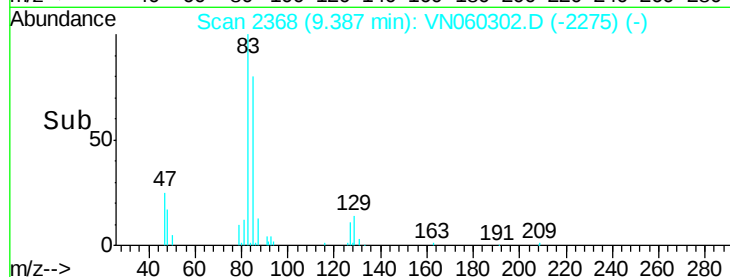
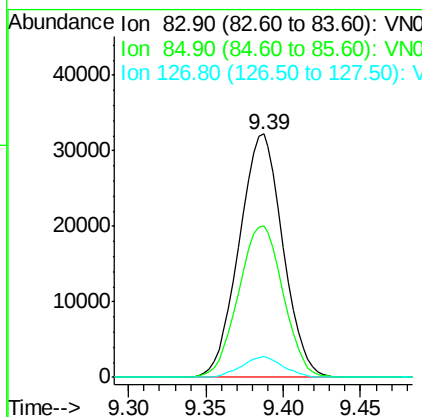
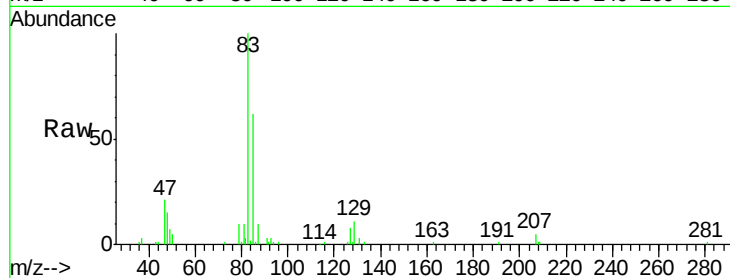
ClientSampleId :

VN0302MBS01

Tot Ion:	83	Resp:	63290
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.7	76.1
127	8.4	6.8	10.2

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#48

Methyl methacrylate

Concen: 18.713 ug/l

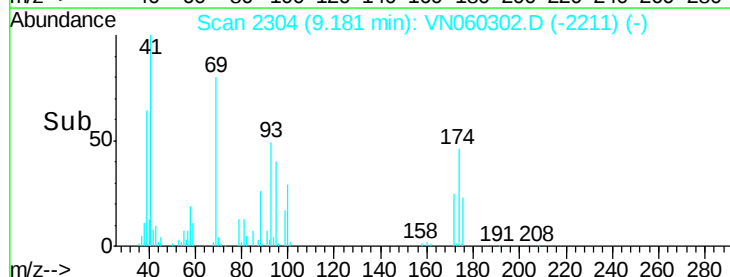
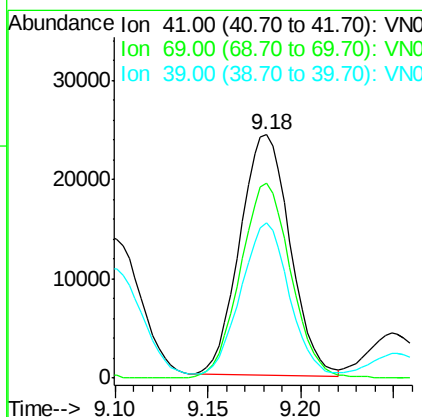
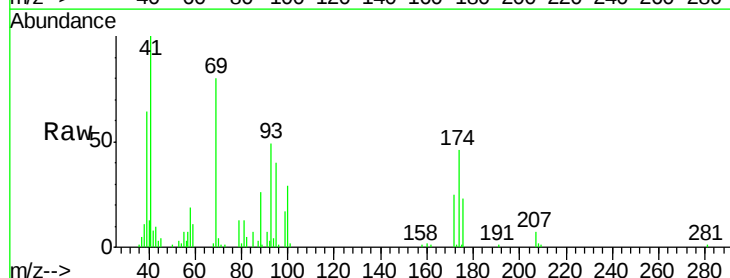
RT: 9.18 min Scan# 2304

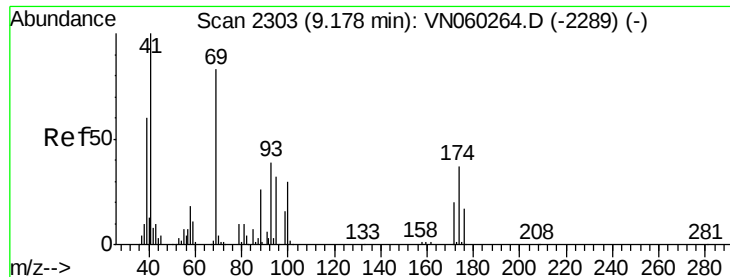
Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:	41	Resp:	45797
Ion	Ratio	Lower	Upper
41	100		
69	81.7	66.7	100.1
39	63.5	50.1	75.1





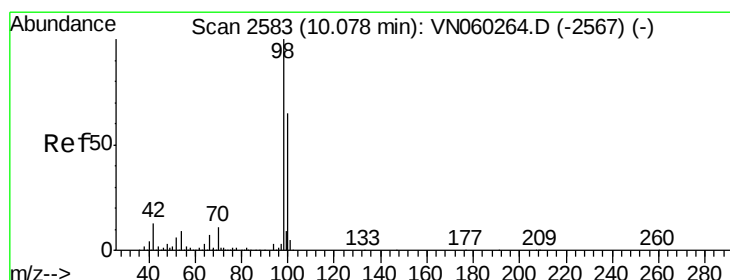
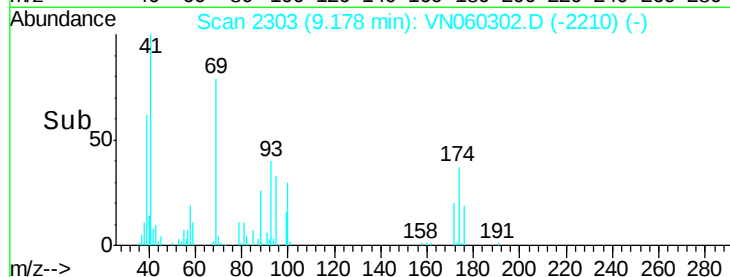
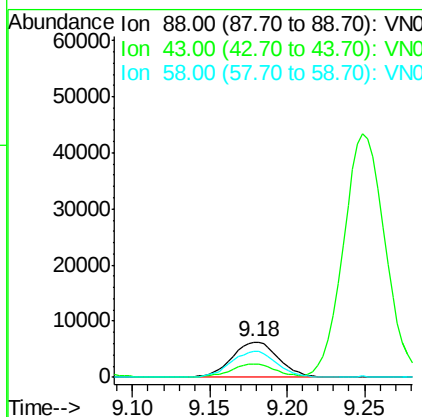
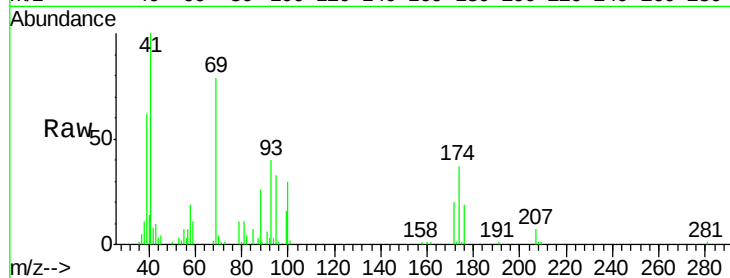
#49
1,4-Dioxane
Concen: 382.083 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	30.4	45.6
58	72.3	57.0	85.6

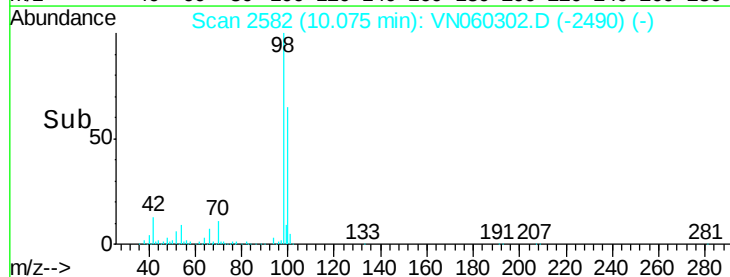
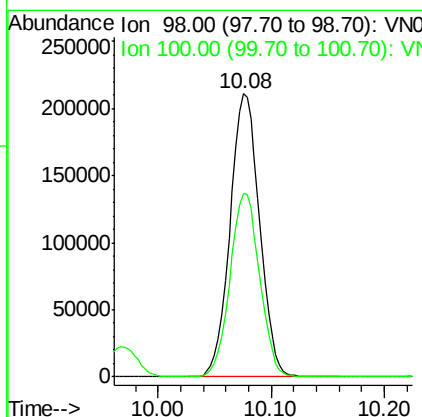
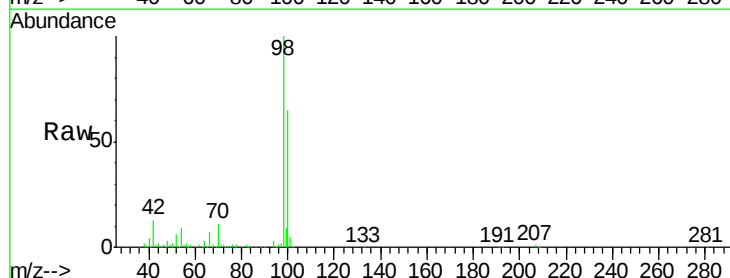
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#50
Toluene-d8
Concen: 47.891 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





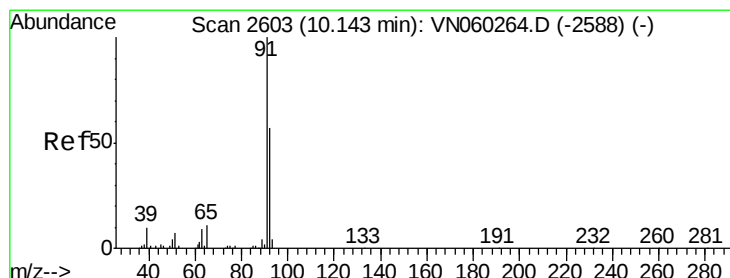
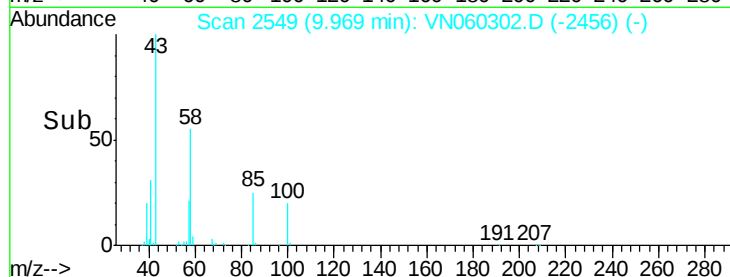
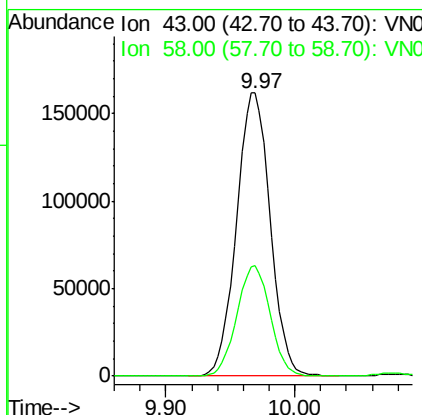
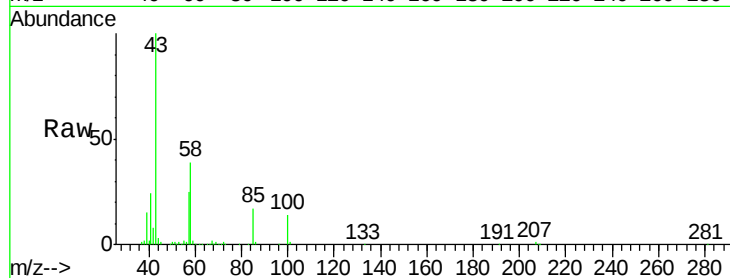
#51
4-Methyl-2-Pentanone
Concen: 96.669 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	43	58	Ratio	Lower	Upper	Resp
294156	100	38.7		30.9	46.3	

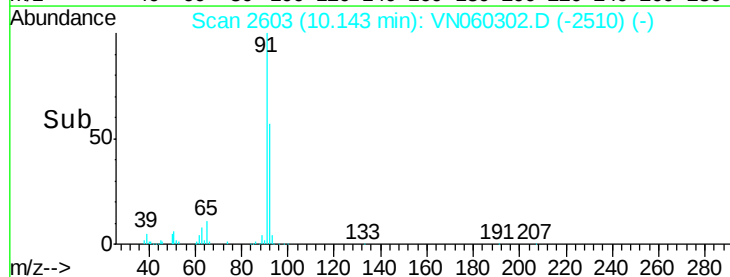
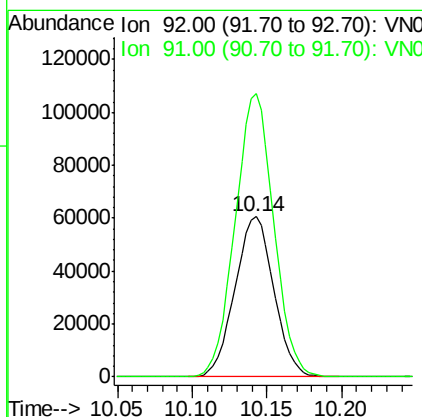
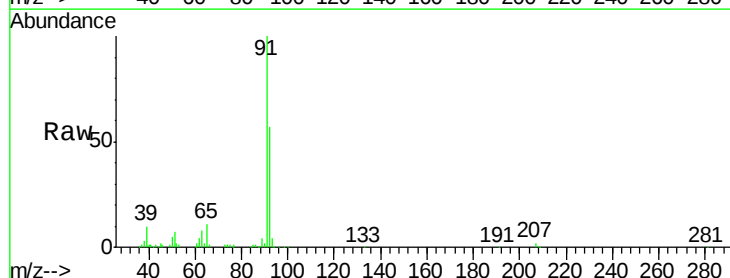
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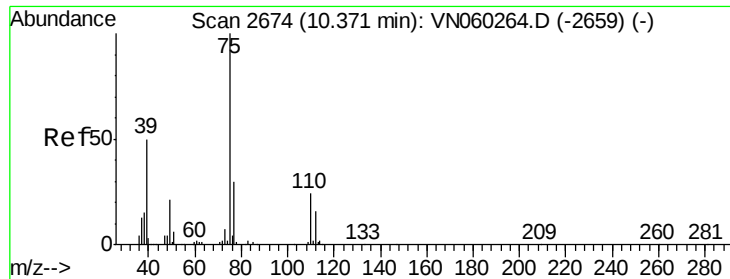
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#52
Toluene
Concen: 18.478 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	92	91	Ratio	Lower	Upper	Resp
109378	100	175.9		138.1	207.1	





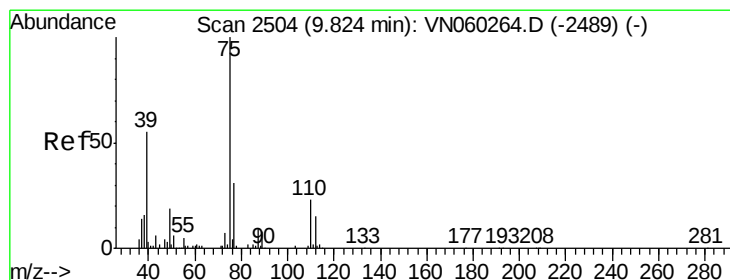
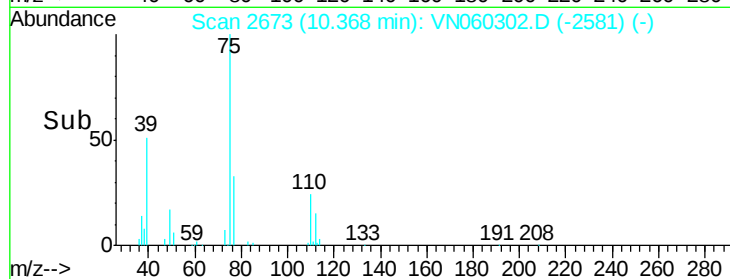
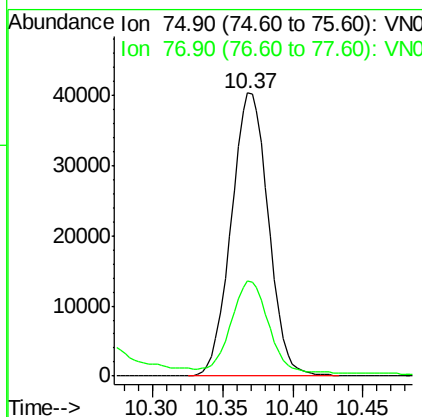
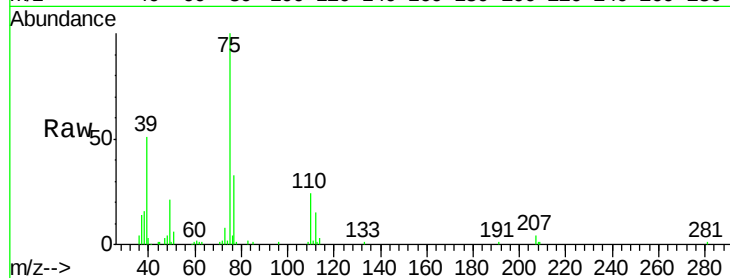
#53
t-1,3-Dichloropropene
Concen: 18.647 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

Tot Ion: 75 Resp: 74291
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2

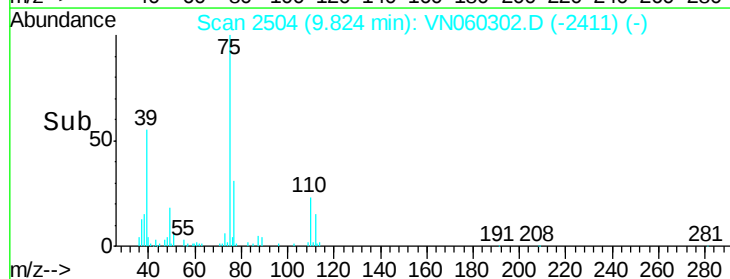
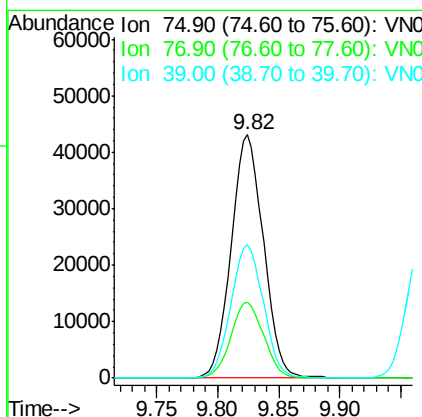
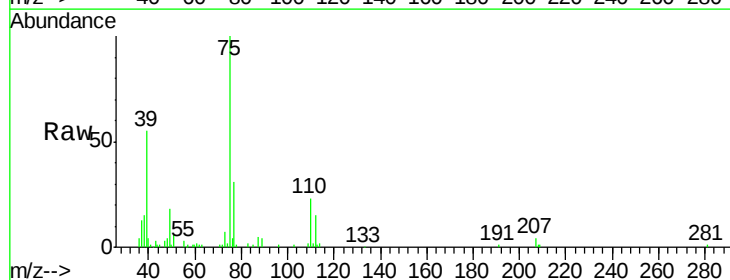
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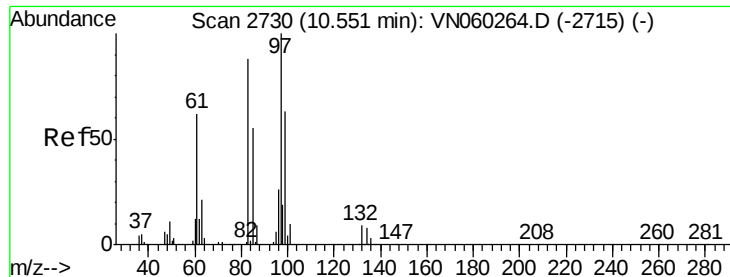
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#54
cis-1,3-Dichloropropene
Concen: 19.243 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 75 Resp: 79439
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 54.9 43.8 65.8





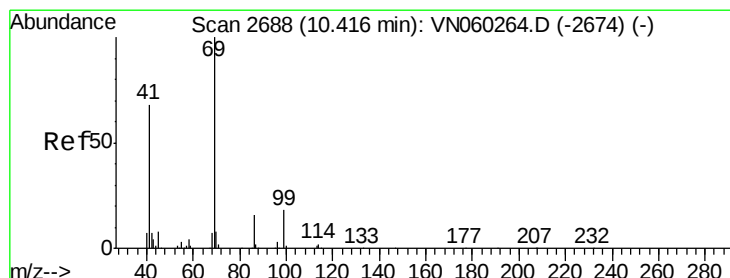
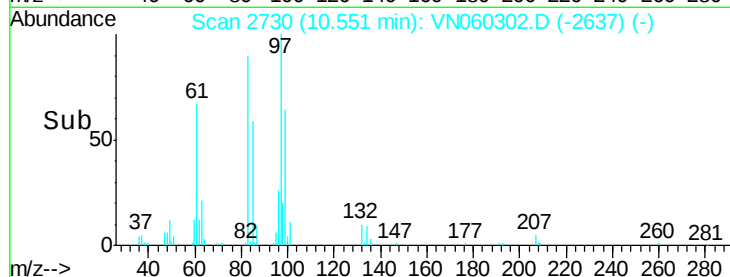
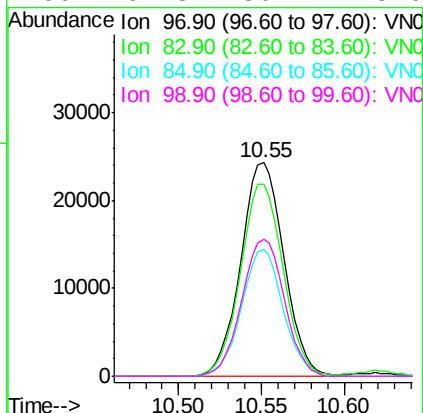
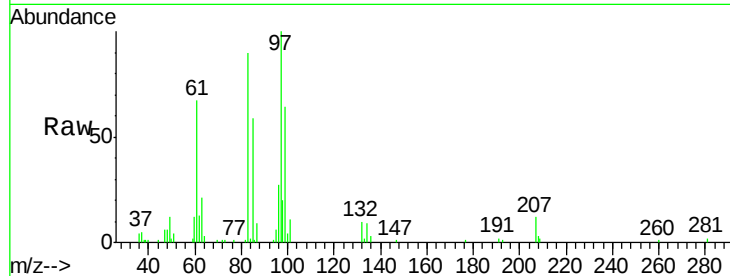
#55
 1,1,2-Trichloroethane
 Concen: 18.565 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302MBS01

Tot Ion:	97	Resp:	44193
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.0	105.0
85	59.3	44.0	66.0
99	64.3	50.4	75.6

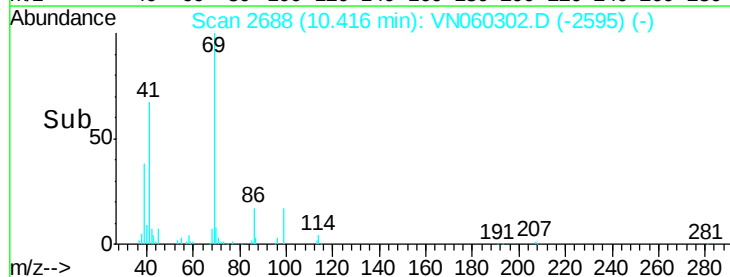
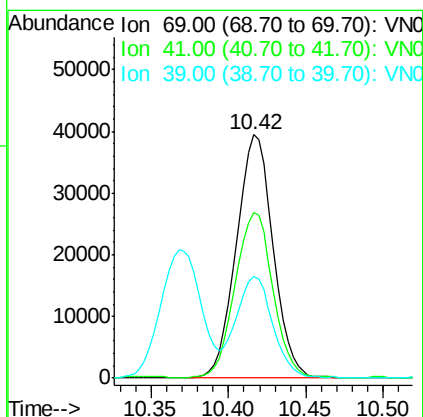
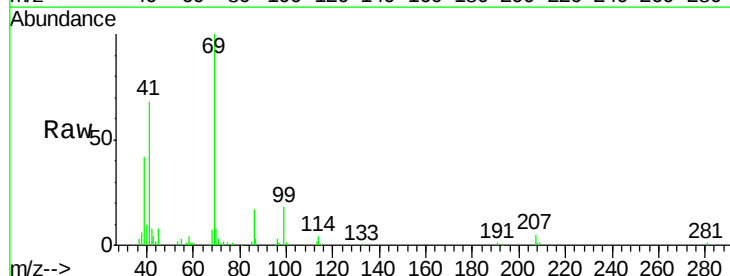
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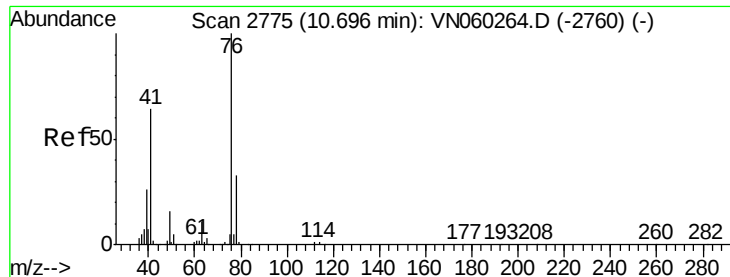
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#56
 Ethyl methacrylate
 Concen: 19.069 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion:	69	Resp:	65214
Ion	Ratio	Lower	Upper
69	100		
41	70.2	54.1	81.1
39	42.5	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.598 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0302MBS01

Tot Ion: 76 Resp: 76081

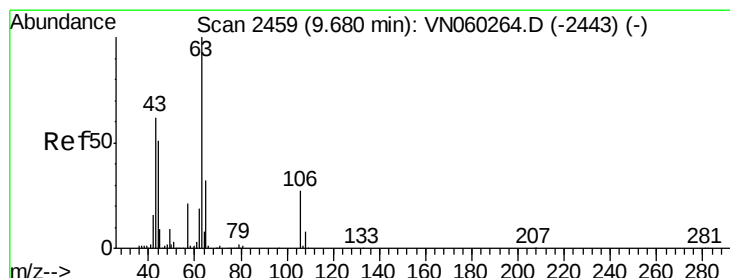
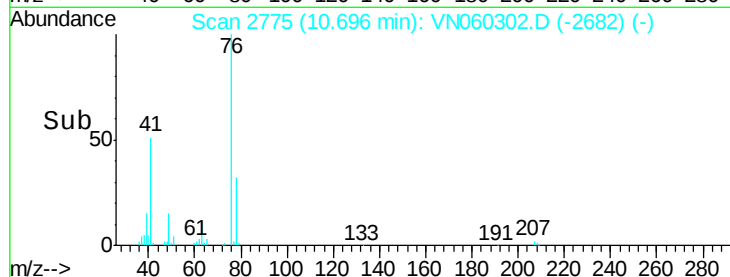
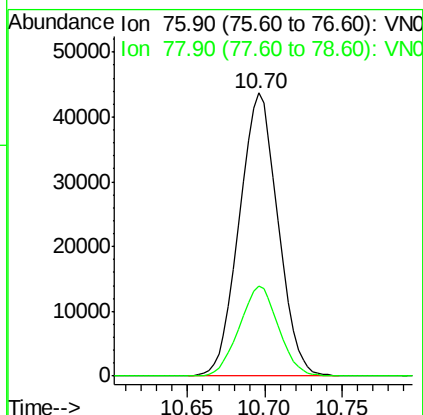
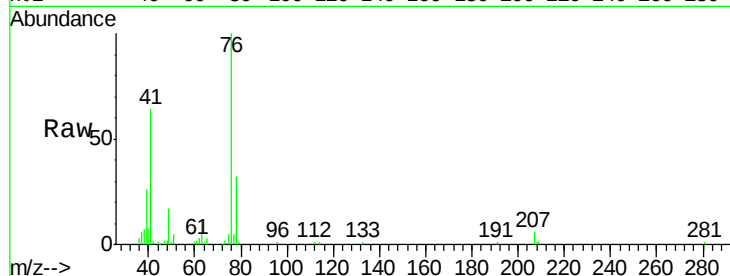
Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 94.717 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060302.D

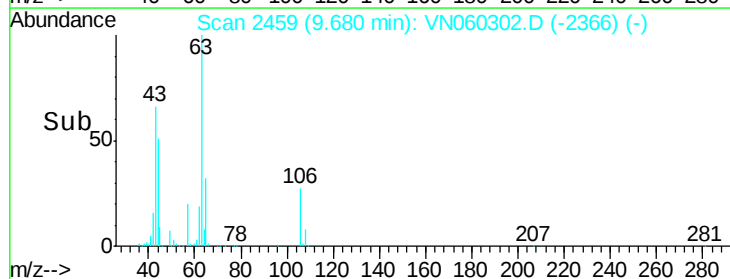
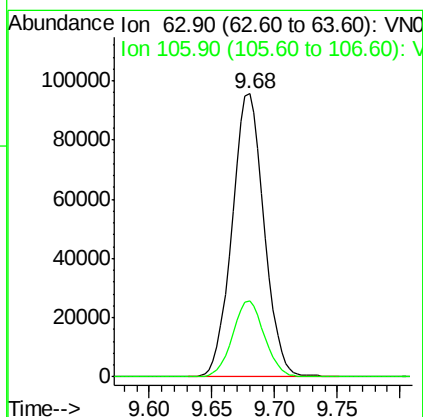
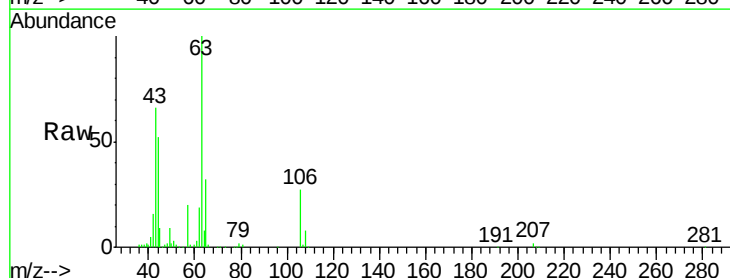
Acq: 2 Mar 2020 11:40

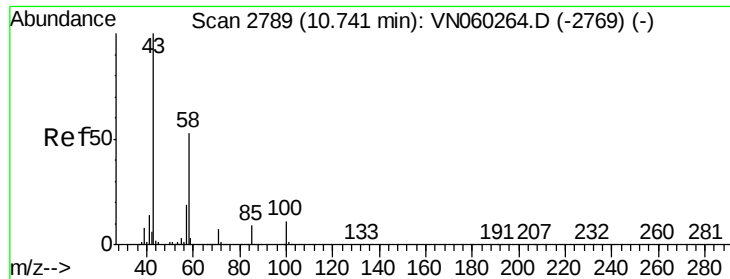
Tgt Ion: 63 Resp: 169412

Ion Ratio Lower Upper

63 100

106 26.7 21.1 31.7





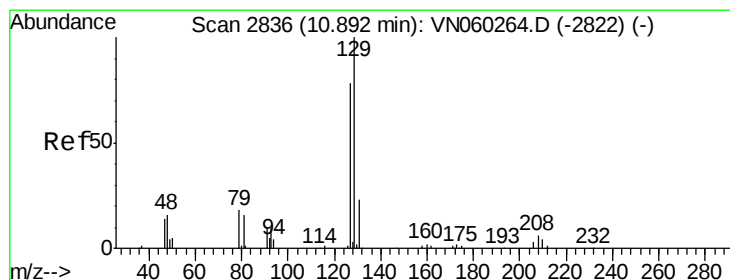
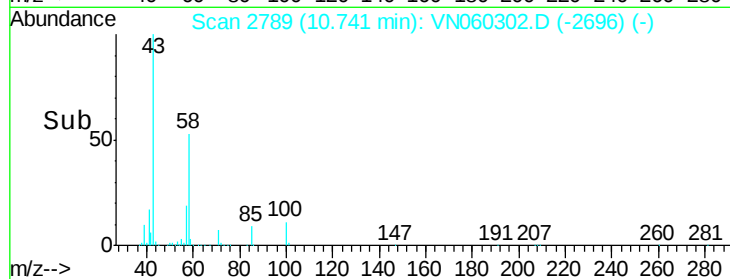
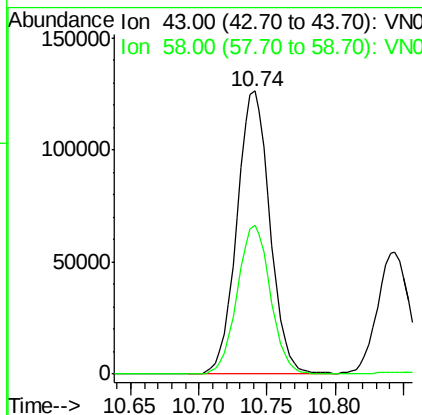
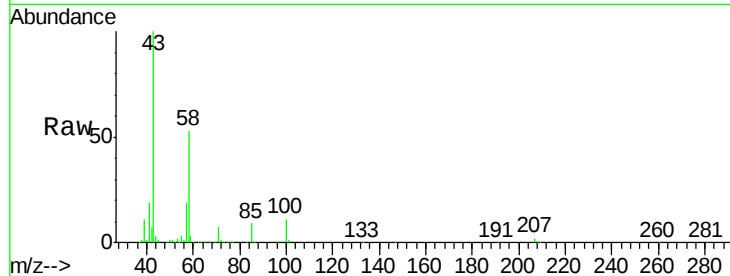
#59
2-Hexanone
Concen: 94.788 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

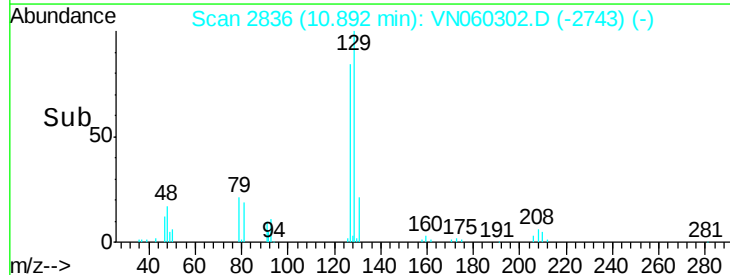
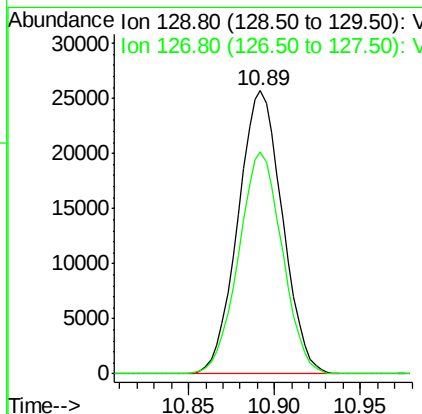
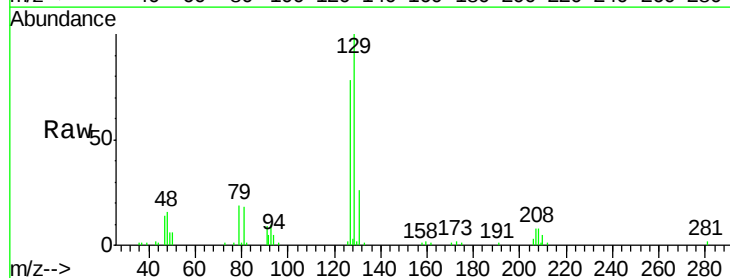
Manual Integrations
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3/3/2020 10:04:16 AM



#60
Dibromochloromethane
Concen: 19.031 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.9	116.7





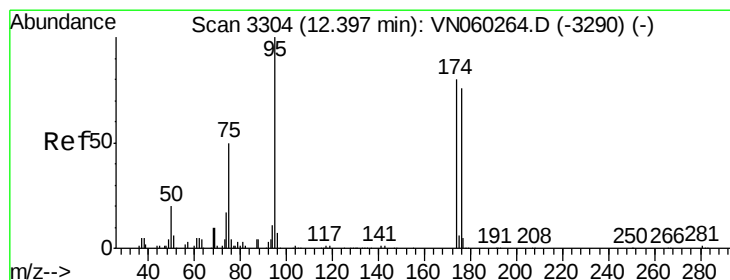
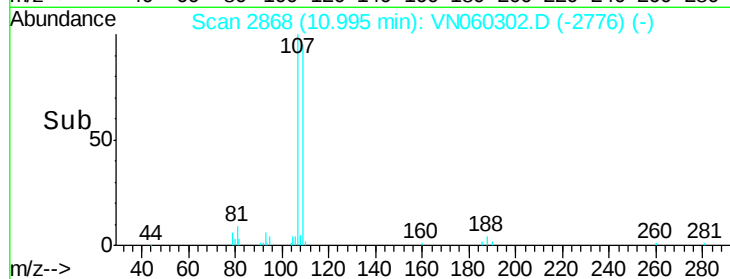
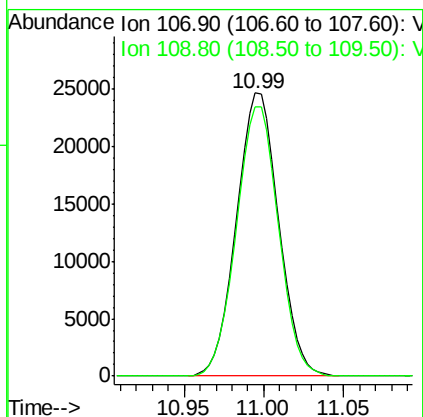
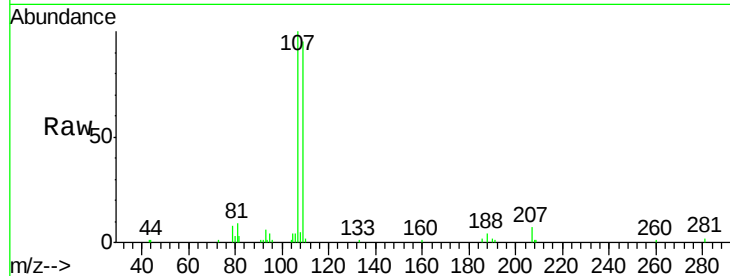
#61
 1,2-Dibromoethane
 Concen: 19.089 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.8	115.2

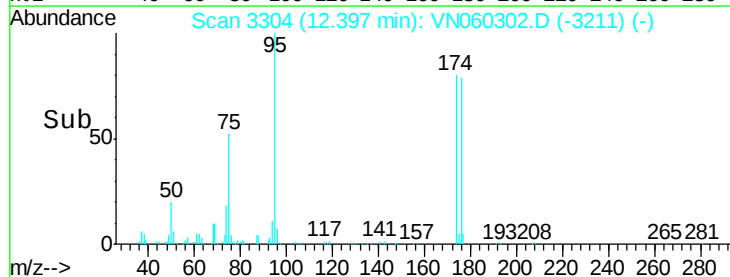
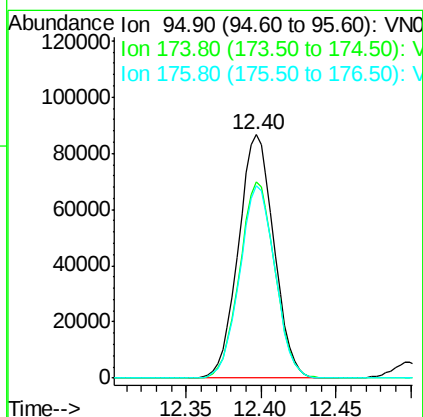
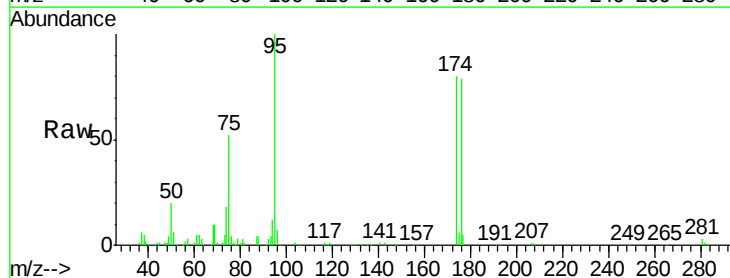
Manual Integrations
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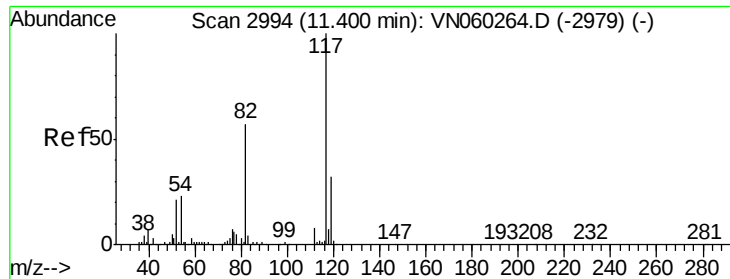
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#62
 4-Bromofluorobenzene
 Concen: 47.279 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	159.2
176	78.5	0.0	153.8





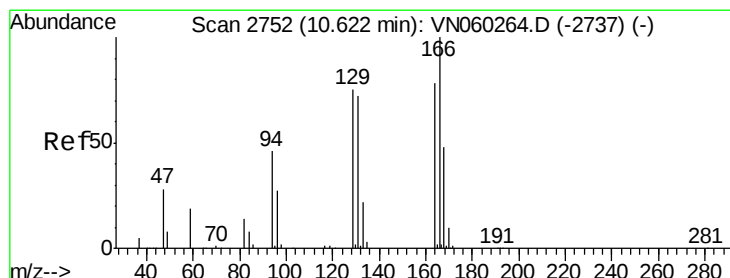
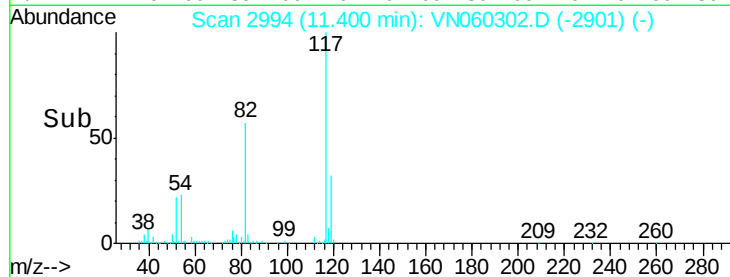
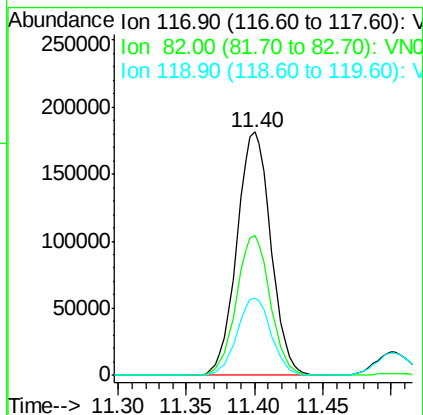
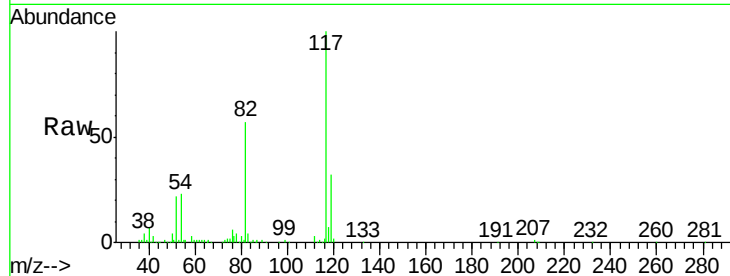
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	312966		
82	57.4		45.8	68.6
119	31.9		25.8	38.8

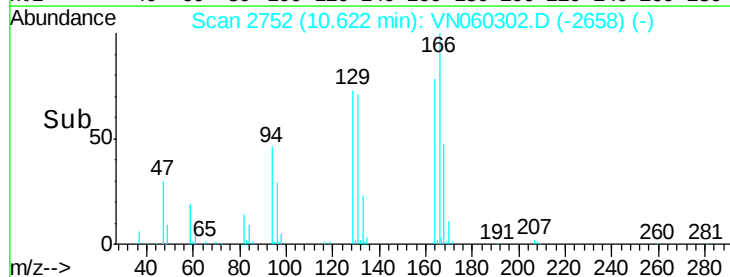
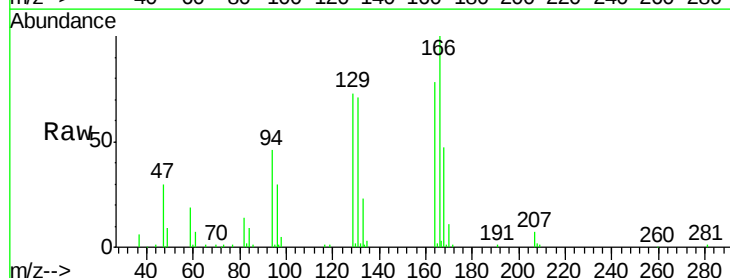
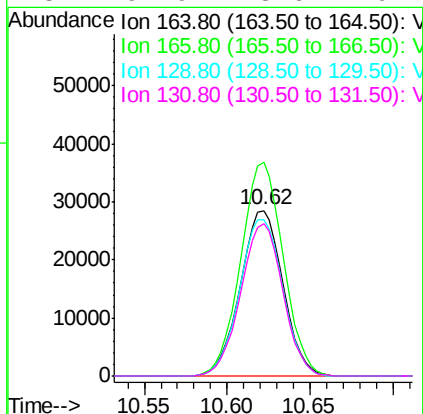
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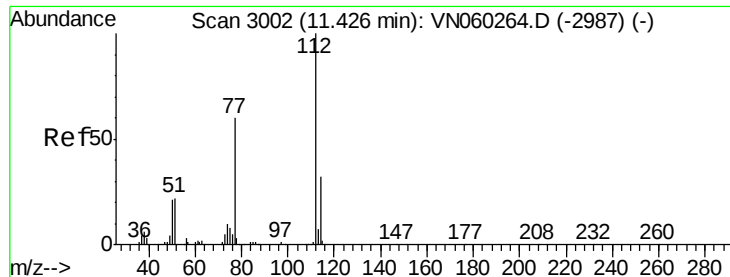
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#64
Tetrachloroethene
Concen: 19.850 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51014		
166	128.9		102.0	153.0
129	94.6		76.4	114.6
131	91.9		73.6	110.4





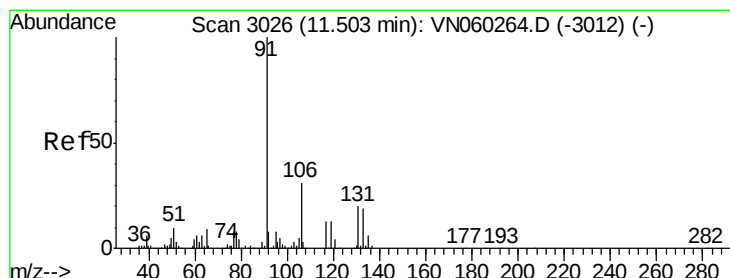
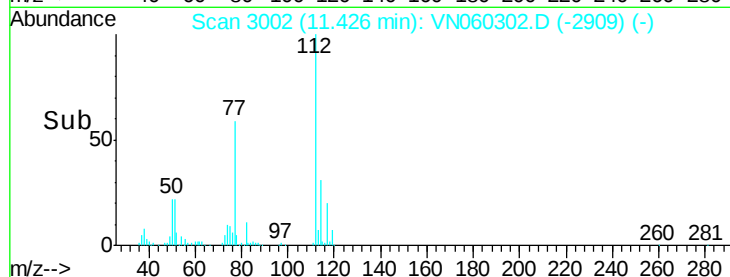
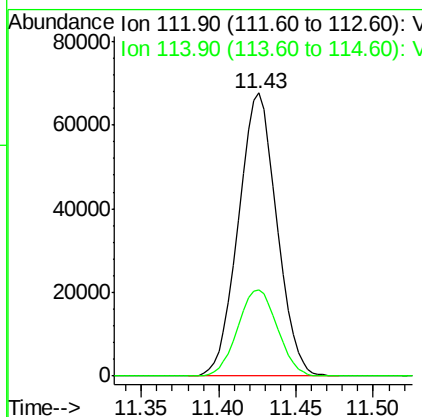
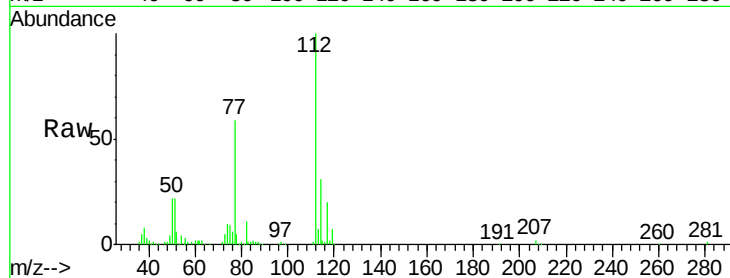
#65
Chlorobenzene
Concen: 18.473 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

Tot Ion:112 Resp: 116744
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.0

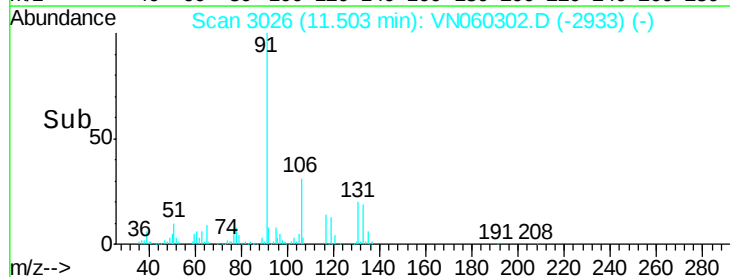
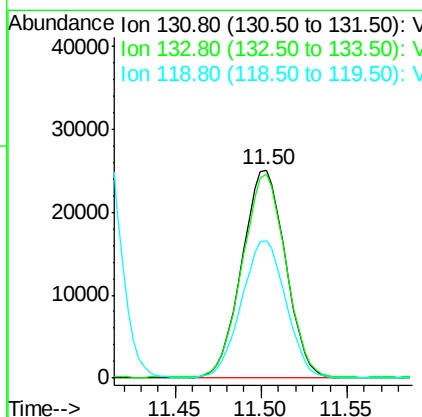
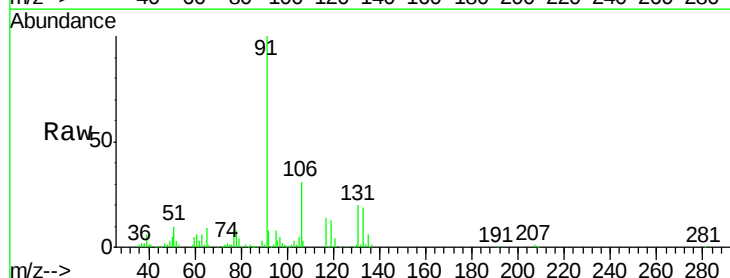
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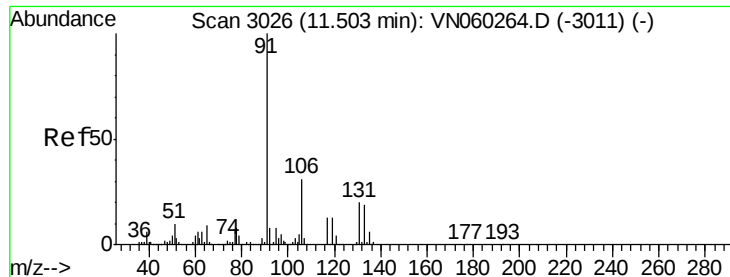
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.934 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion:131 Resp: 44242
Ion Ratio Lower Upper
131 100
133 96.6 47.7 143.1
119 67.0 33.2 99.6





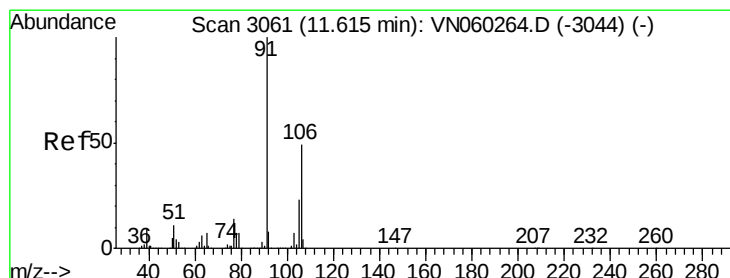
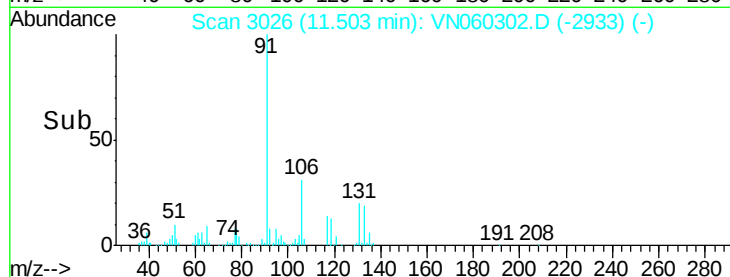
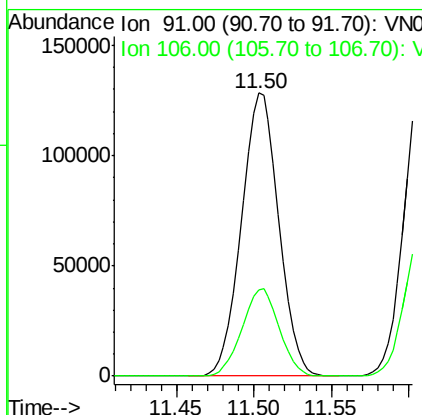
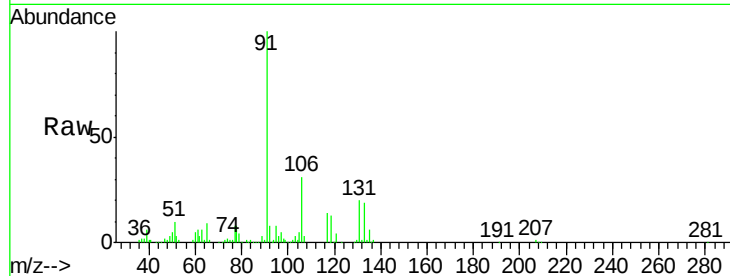
#67
Ethyl Benzene
Concen: 18.695 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion: 91 Resp: 215149
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1

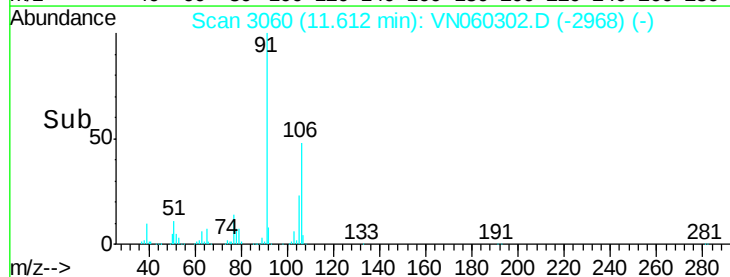
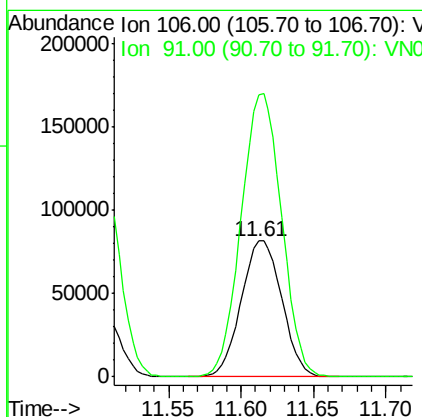
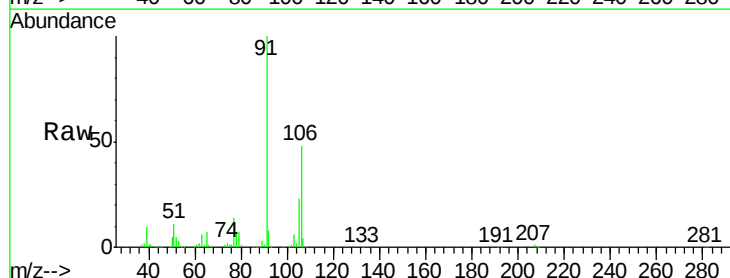
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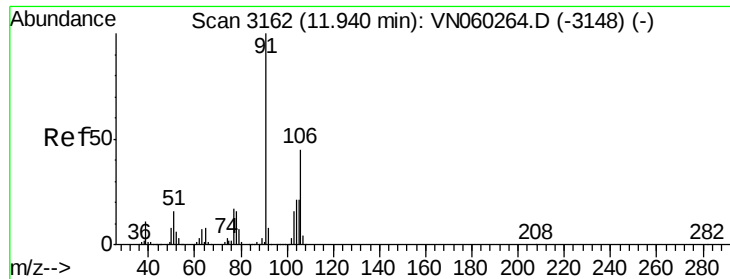
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#68
m/p-Xylenes
Concen: 36.626 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 106 Resp: 159032
Ion Ratio Lower Upper
106 100
91 207.2 164.5 246.7





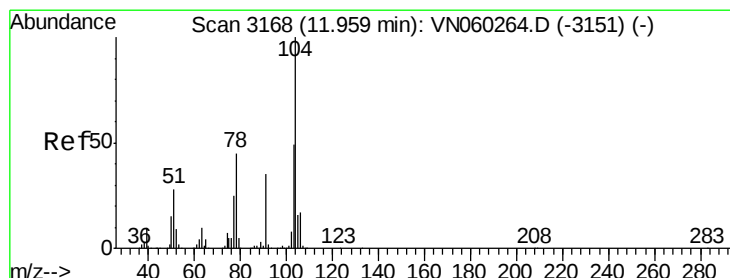
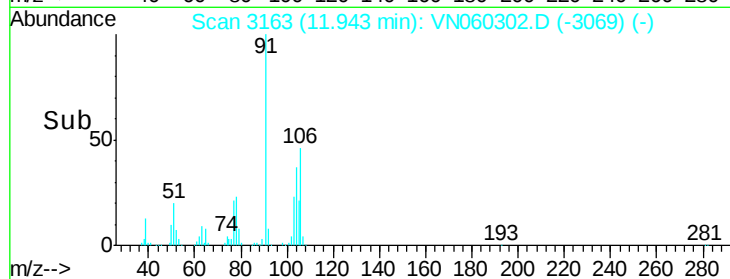
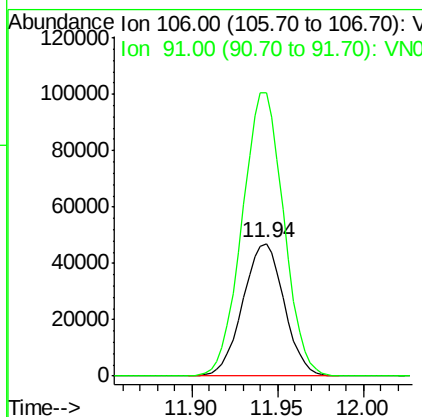
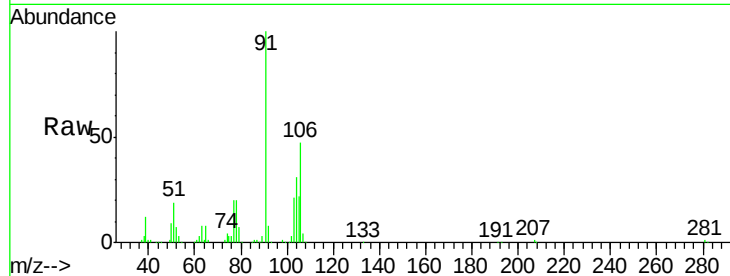
#69
o-Xylene
Concen: 18.862 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion:106 Resp: 78097
Ion Ratio Lower Upper
106 100
91 215.4 109.5 328.4

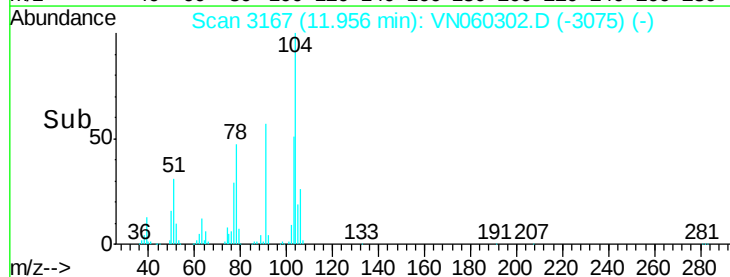
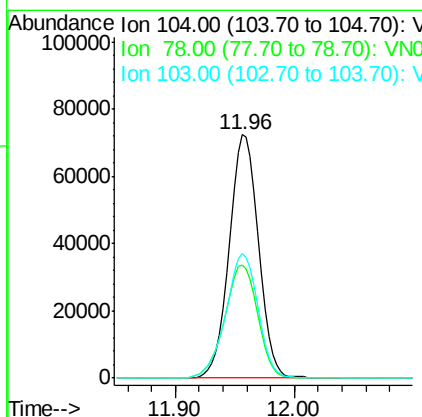
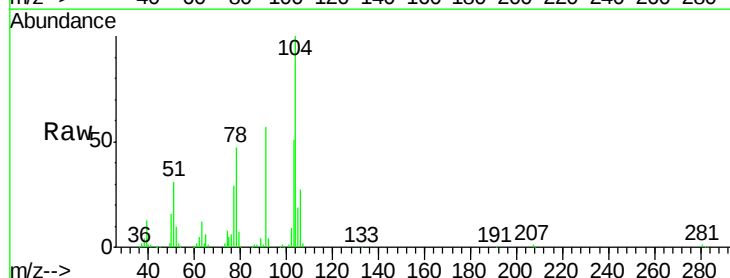
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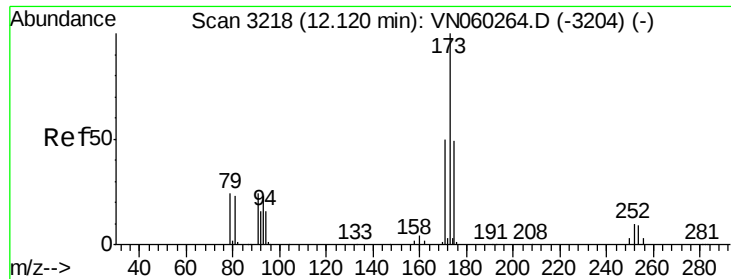
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#70
Styrene
Concen: 18.141 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion:104 Resp: 123497
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 56.3 43.9 65.9





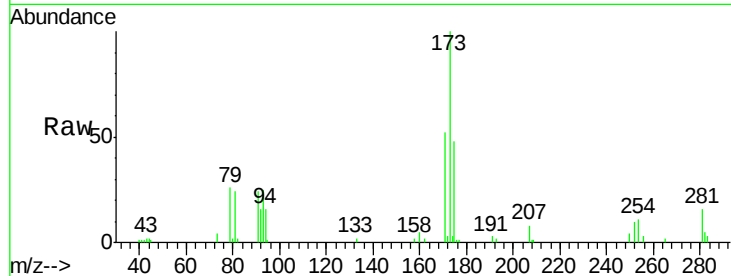
#71
Bromoform
Concen: 18.692 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

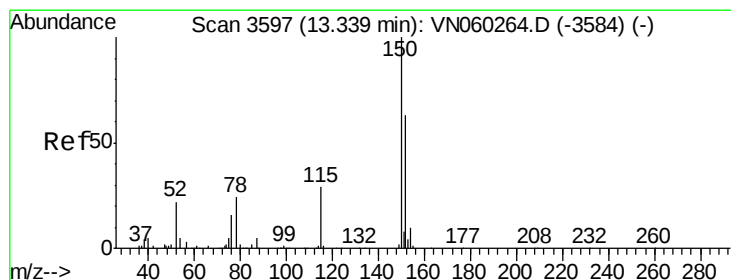
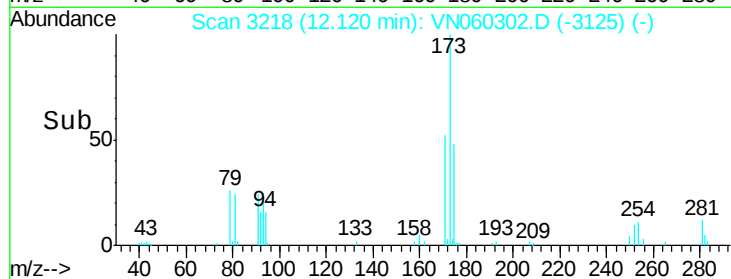
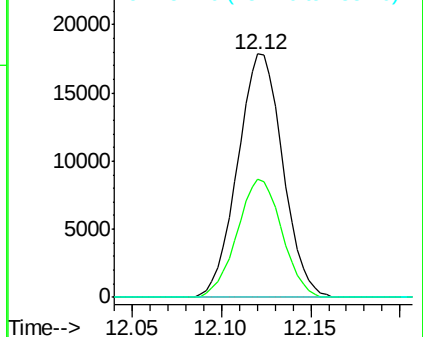
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.0	0.0	0.0

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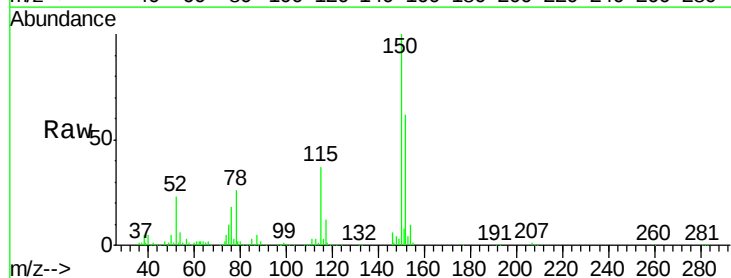


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

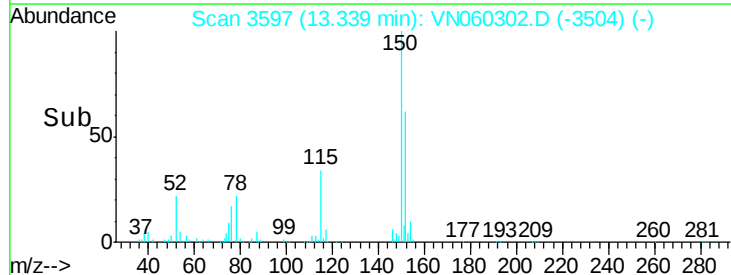
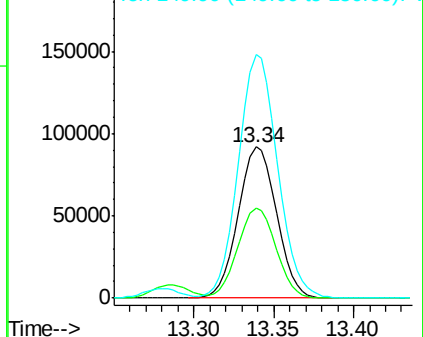


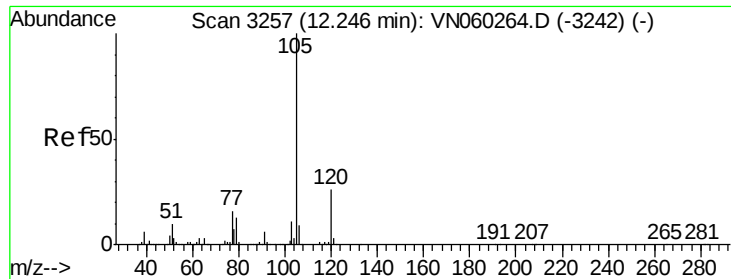
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.0	90.0
150	165.2	0.0	349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.763 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0302MBS01

Tot Ion: 105 Resp: 208263

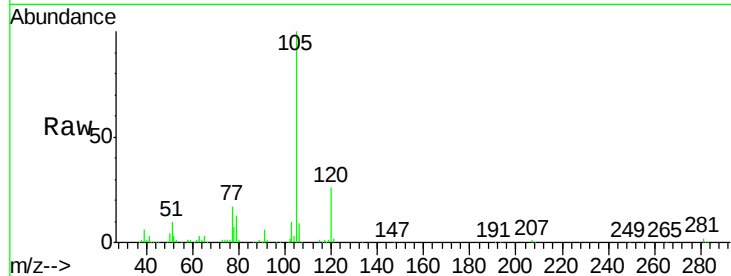
Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

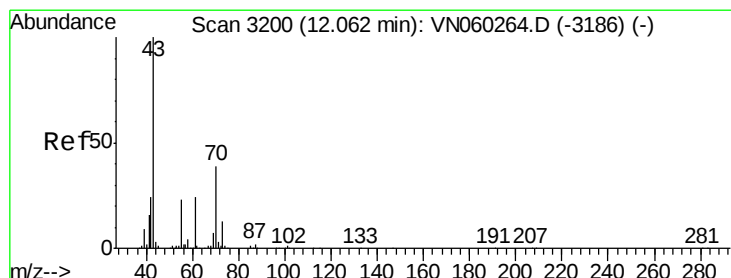
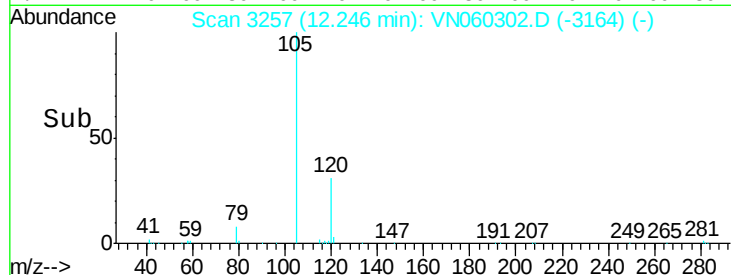
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.479 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion: 43 Resp: 89625

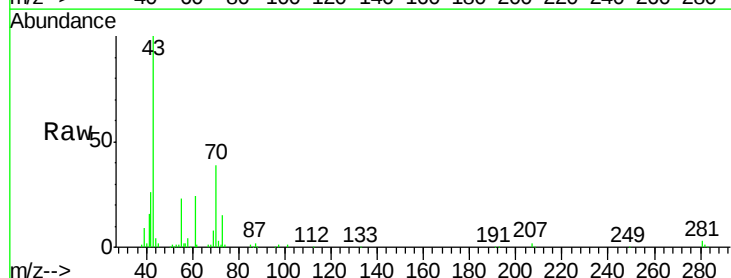
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.2

55 23.4 18.2 27.4

61 23.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

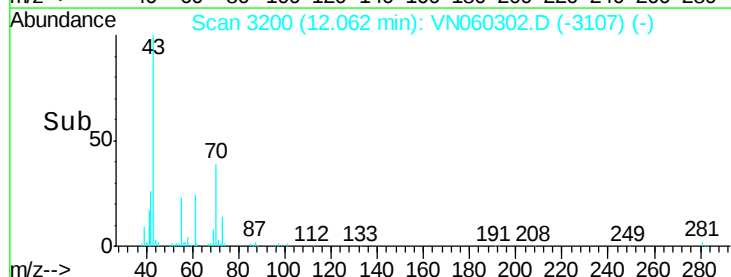
40000

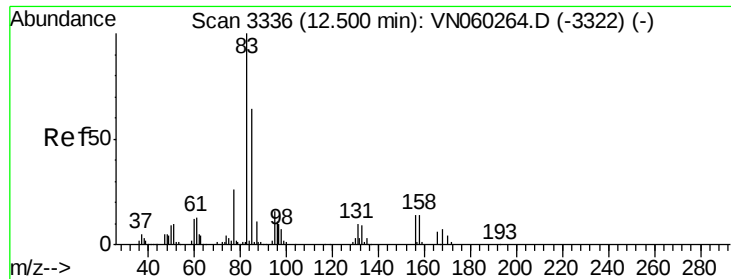
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.207 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

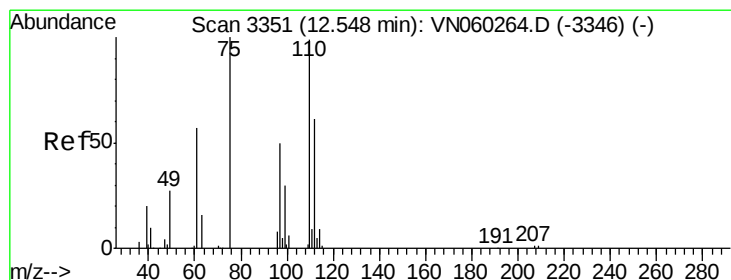
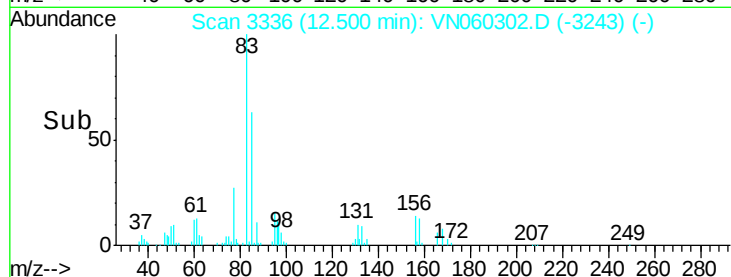
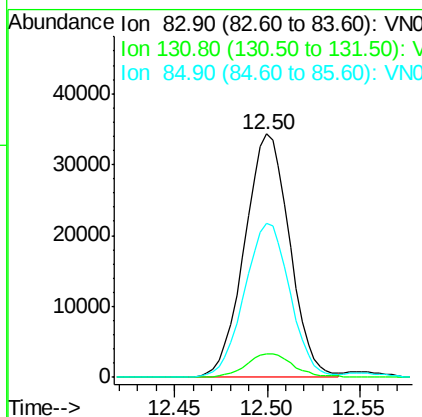
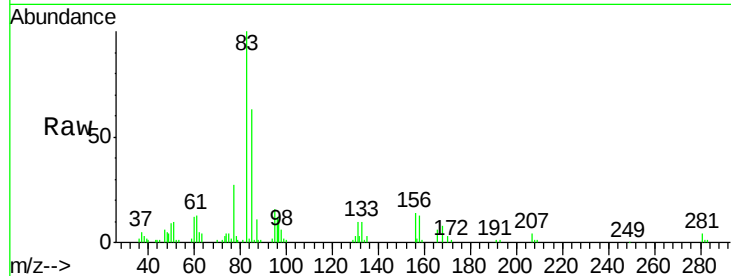
ClientSampleId :

VN0302MBS01

Tot Ion:	83	Resp:	57950
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	63.8	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 17.540 ug/l m

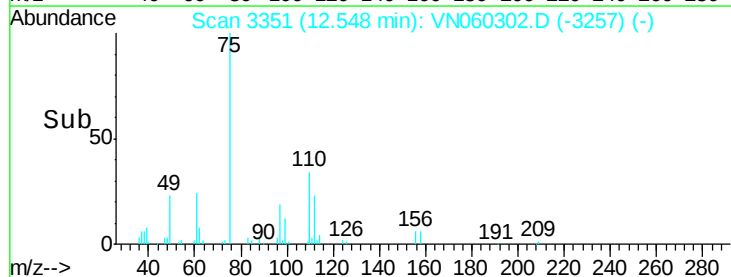
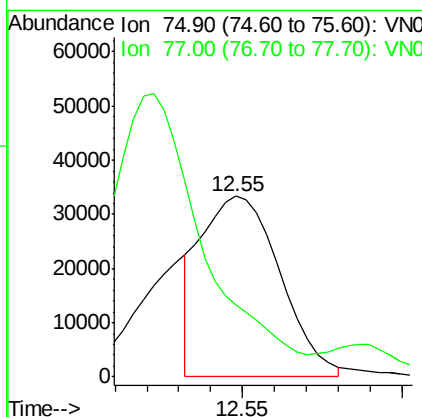
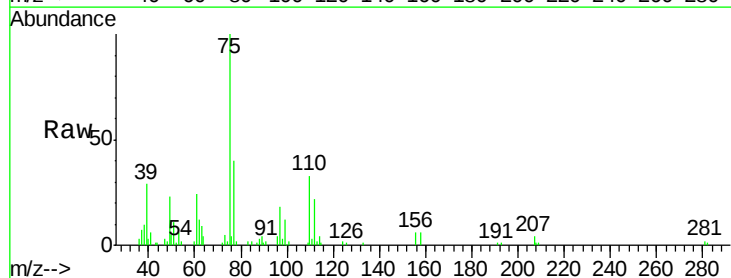
RT: 12.55 min Scan# 3351

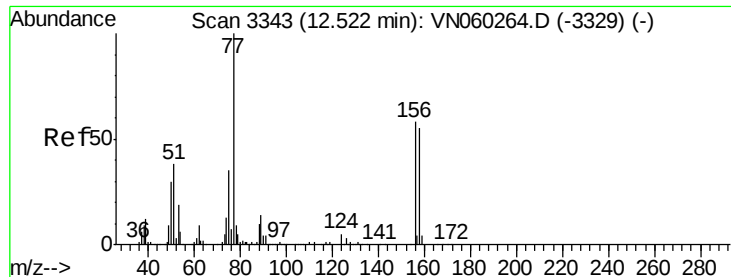
Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:	75	Resp:	57629
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.511 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

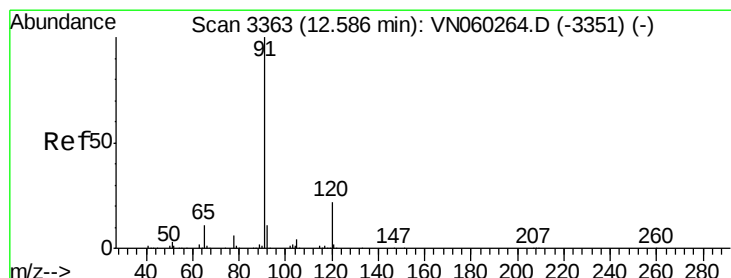
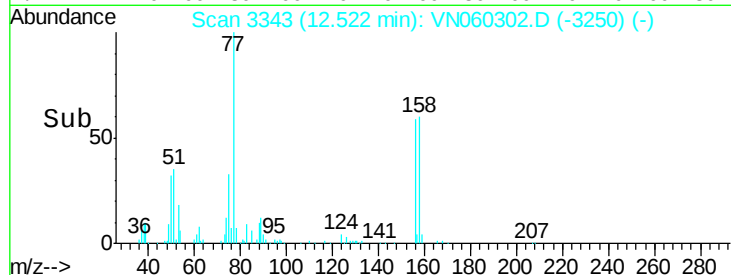
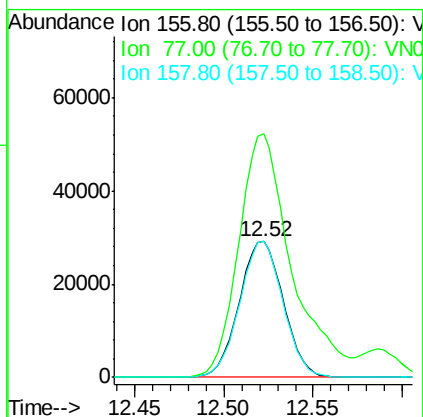
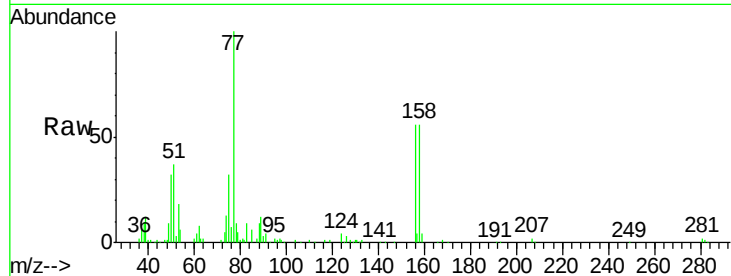
ClientSampled :

VN0302MBS01

Tot Ion:	156	Resp:	50364
Ion Ratio	Lower	Upper	
156	100		
77	214.3	106.1	318.3
158	98.3	48.3	144.8

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#78

n-propylbenzene

Concen: 18.594 ug/l

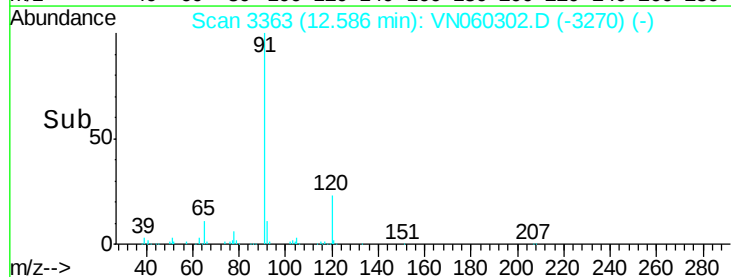
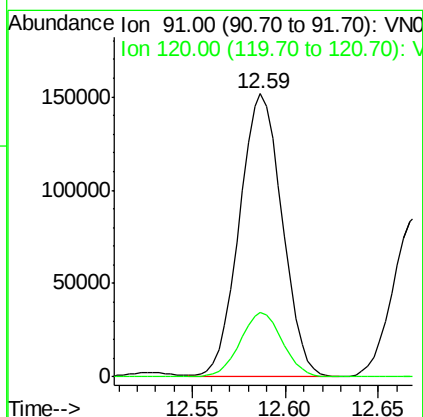
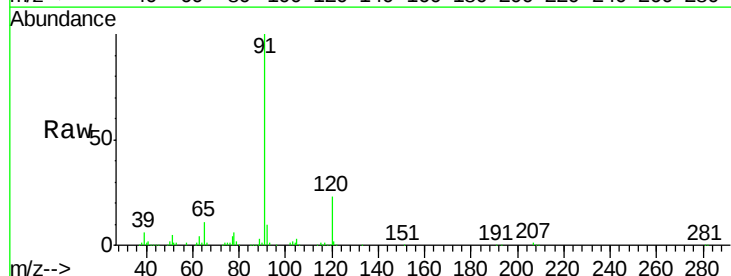
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:	91	Resp:	241911
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9





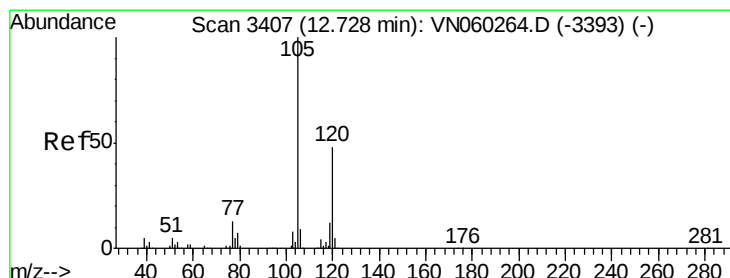
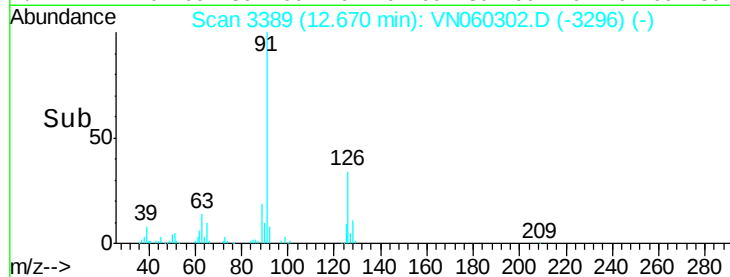
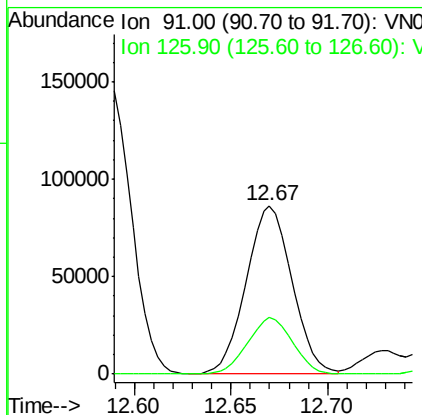
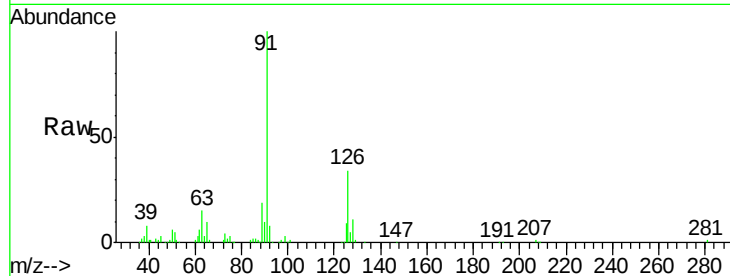
#79
2-Chlorotoluene
Concen: 18.605 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion: 91 Resp: 142290
Ion Ratio Lower Upper
91 100
126 33.2 16.6 49.8

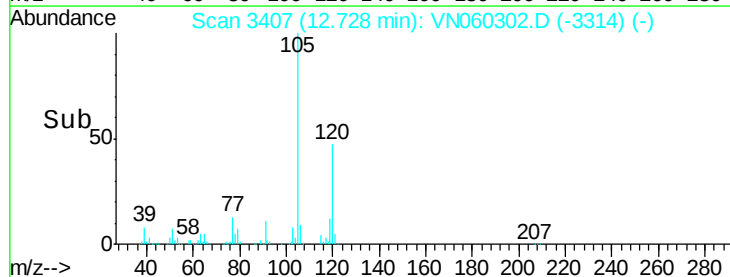
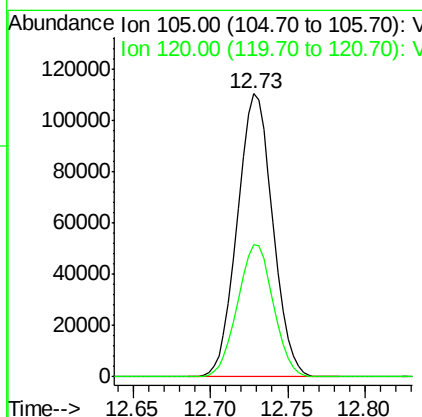
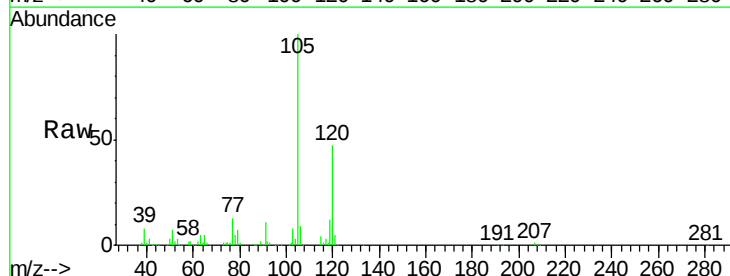
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#80
1,3,5-Trimethylbenzene
Concen: 18.801 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 105 Resp: 175701
Ion Ratio Lower Upper
105 100
120 47.3 24.1 72.4





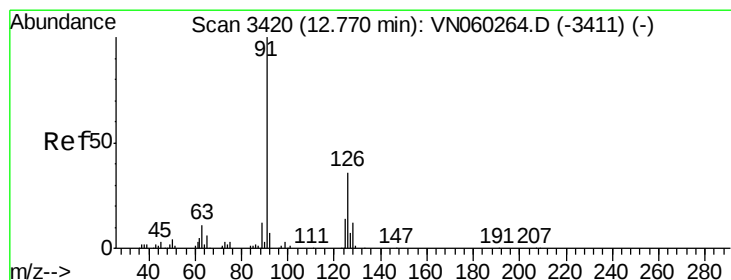
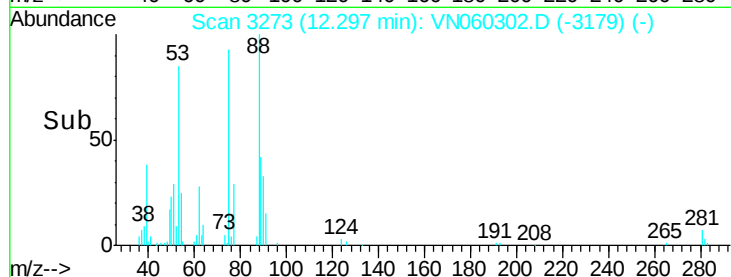
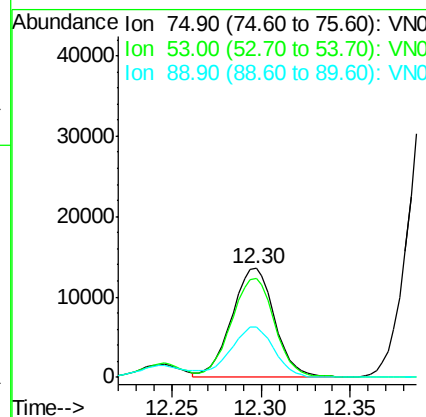
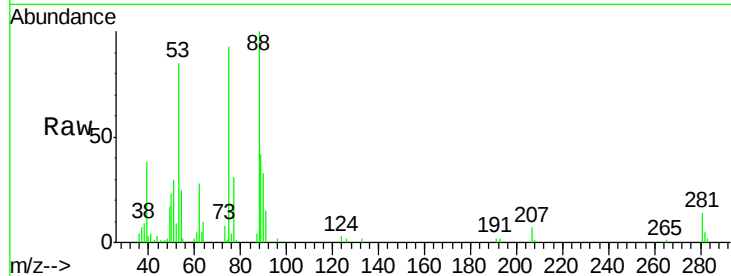
#81
trans-1,4-Dichloro-2-butene
Concen: 19.165 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.3	73.8	110.6
89	45.9	57.1	85.7#

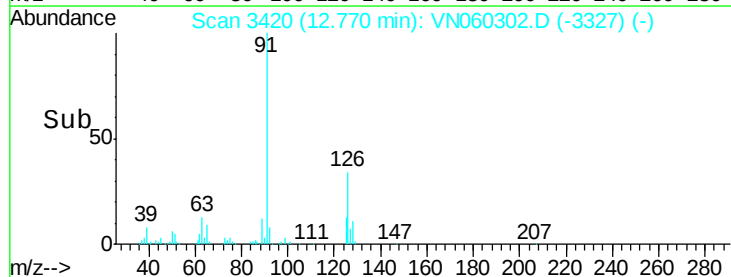
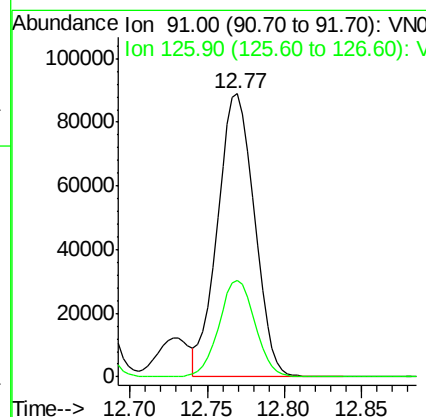
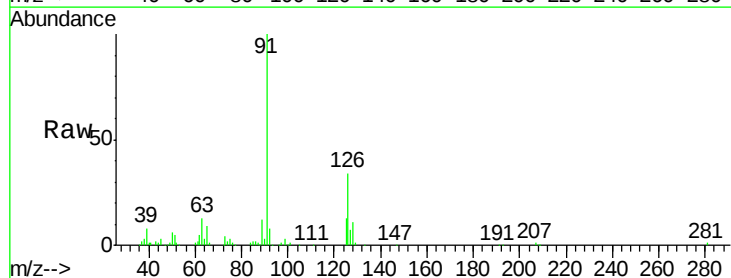
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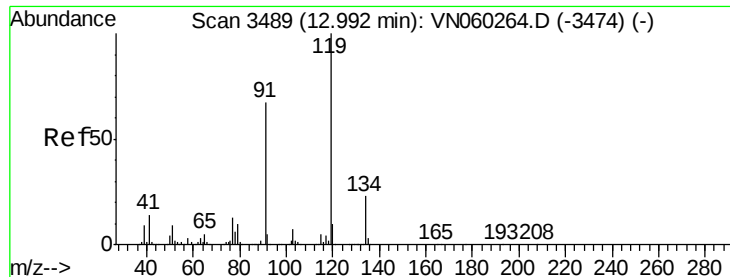
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#82
4-Chlorotoluene
Concen: 18.360 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.7	50.1





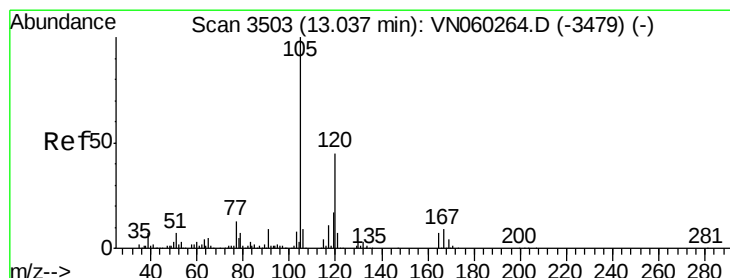
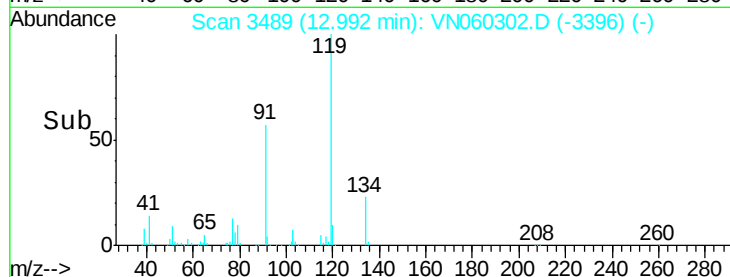
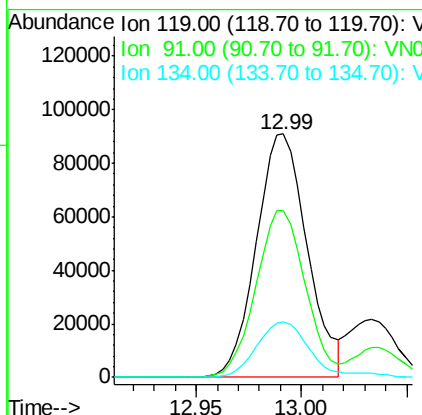
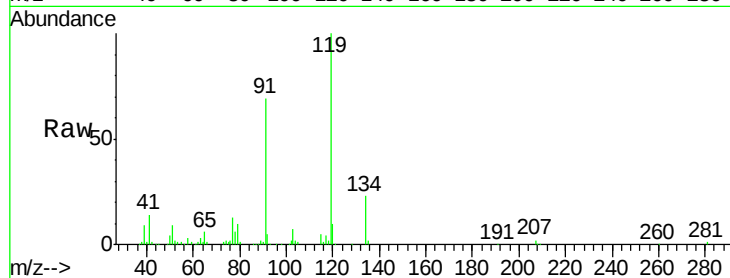
#83
tert-Butylbenzene
Concen: 18.864 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.1	99.2
134	24.2	12.4	37.0

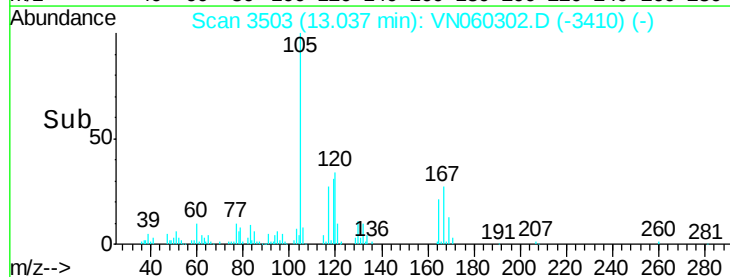
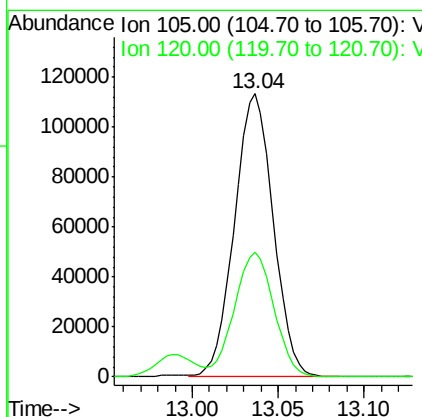
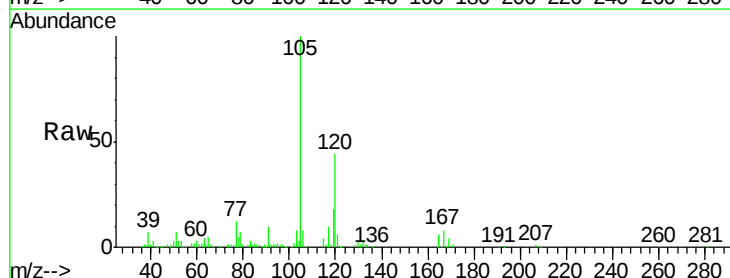
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#84
1,2,4-Trimethylbenzene
Concen: 18.814 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.9





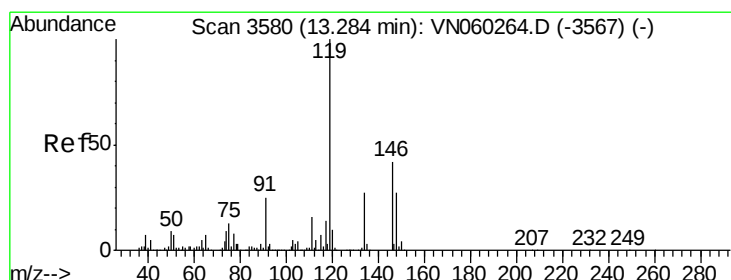
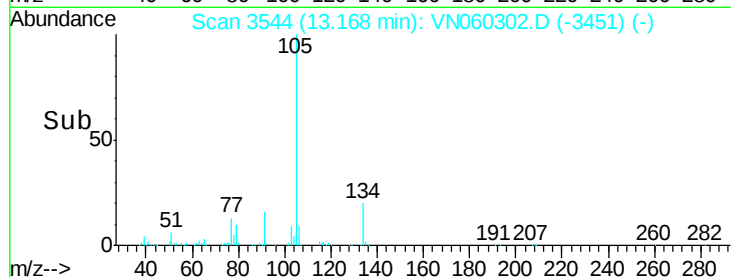
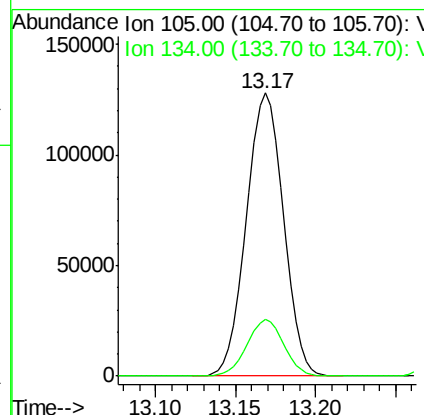
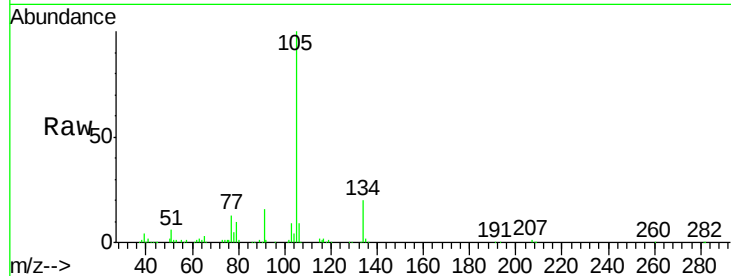
#85
 sec-Butylbenzene
 Concen: 18.672 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0302MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	202310		
134	19.7	9.8	29.5	

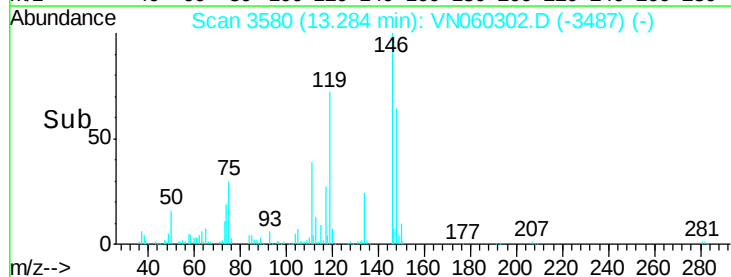
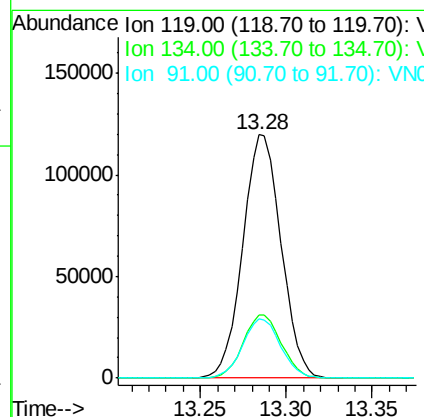
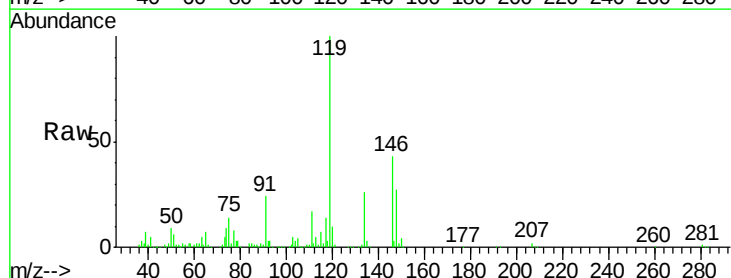
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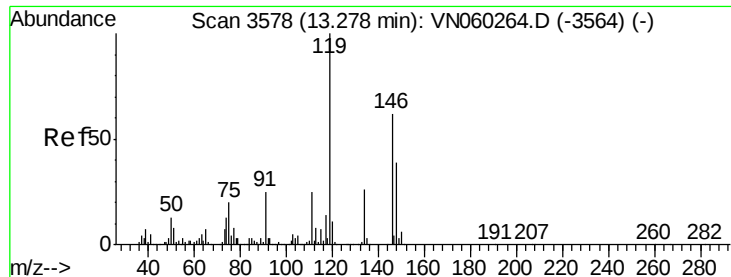
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#86
 p-Isopropyltoluene
 Concen: 18.389 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	184405		
134	26.1	13.2	39.6	
91	24.5	12.2	36.6	





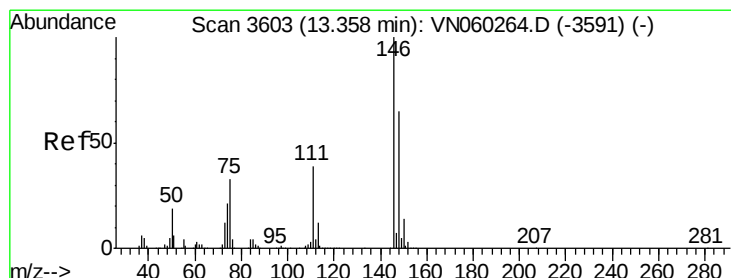
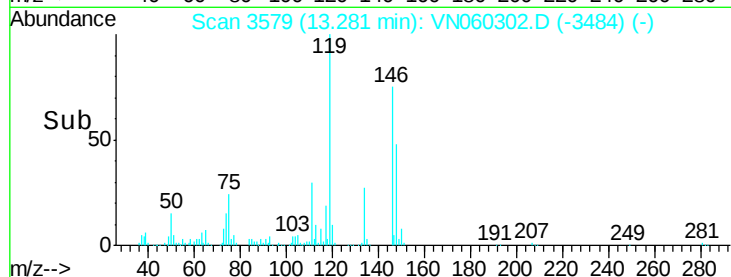
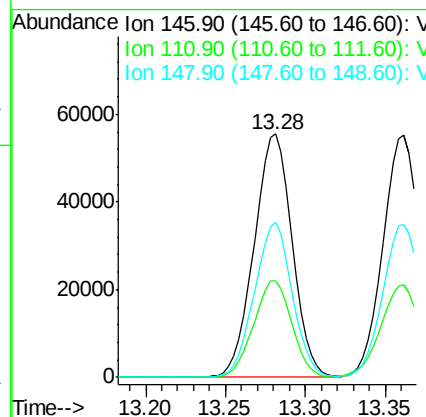
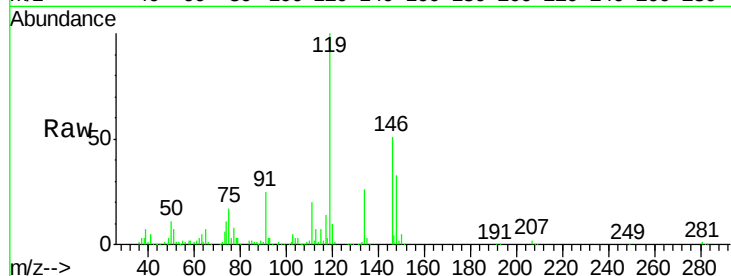
#87
1,3-Dichlorobenzene
Concen: 19.379 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.0	32.1	96.3

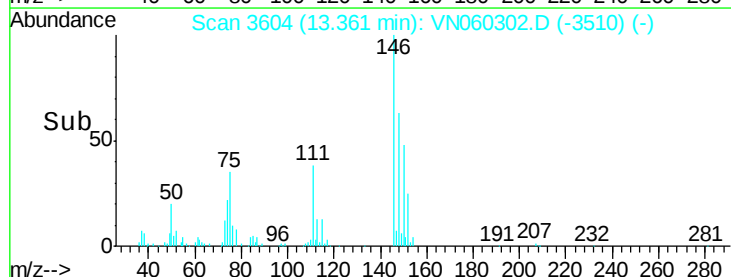
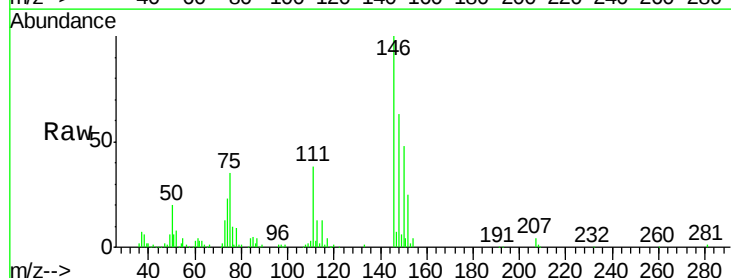
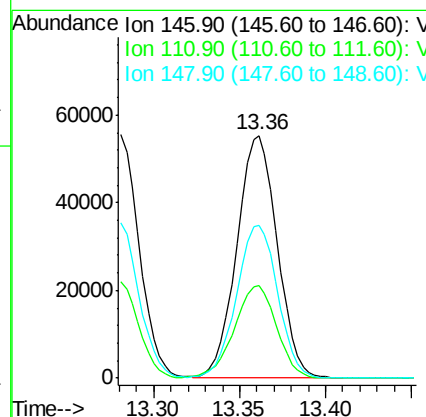
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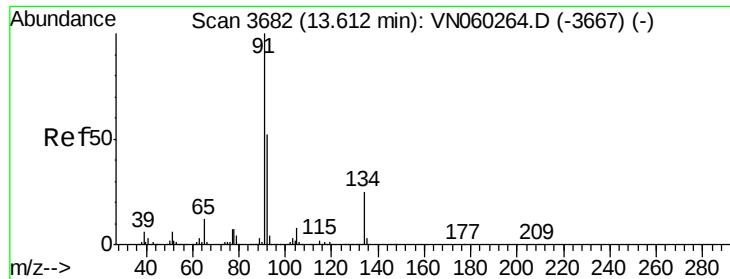
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#88
1,4-Dichlorobenzene
Concen: 19.273 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	64.4	32.3	96.9





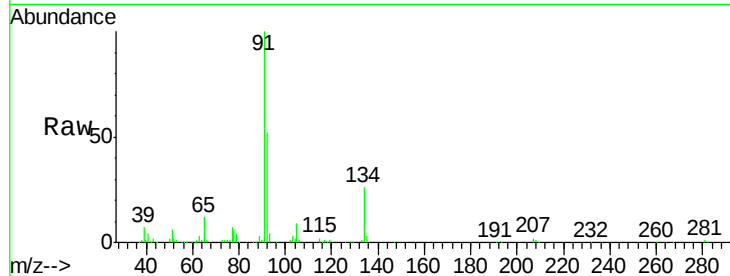
#89
n-Butylbenzene
Concen: 18.246 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0302MBS01

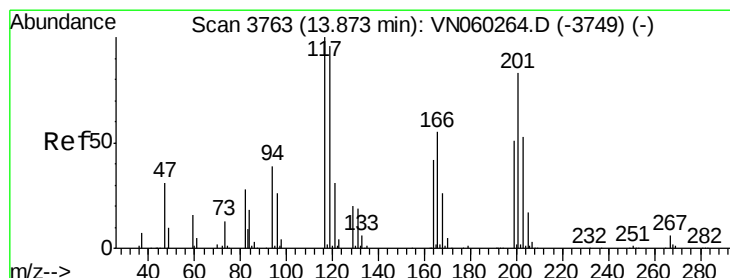
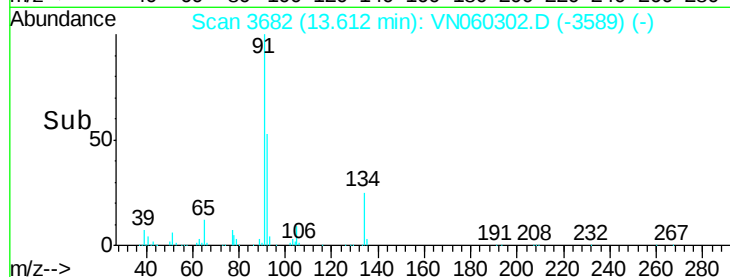
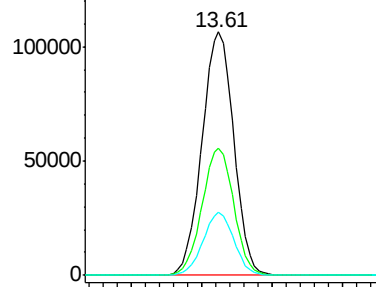
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	25.1	12.7	38.1

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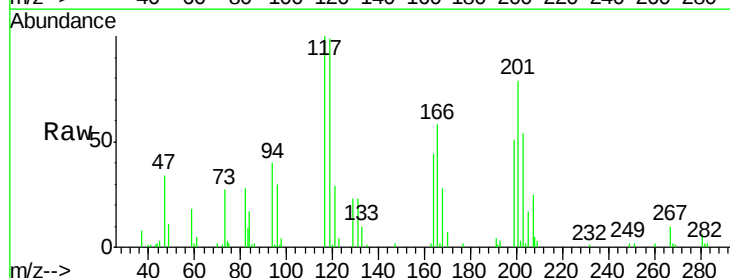


Abundance Ion 91.00 (90.70 to 91.70): VN060302.D (-3589) (-)
Ion 92.00 (91.70 to 92.70): VN060302.D (-3589) (-)
Ion 134.00 (133.70 to 134.70): VN060302.D (-3589) (-)

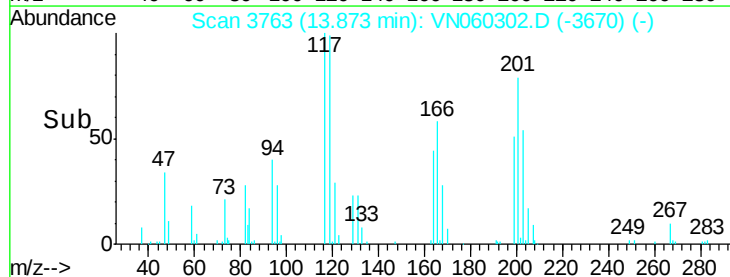
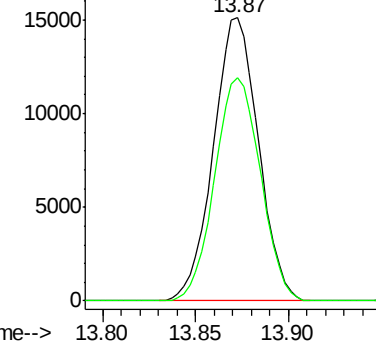


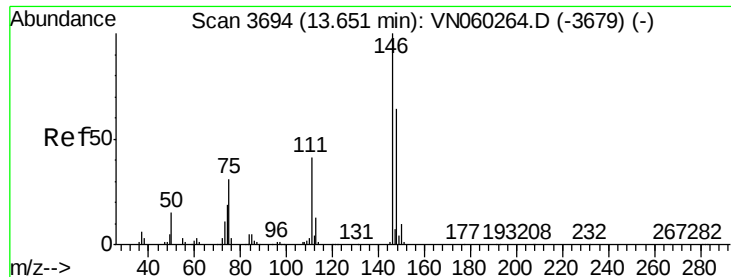
#90
Hexachloroethane
Concen: 17.549 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	41.0	123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060302.D (-3670) (-)
Ion 200.70 (200.40 to 201.40): VN060302.D (-3670) (-)





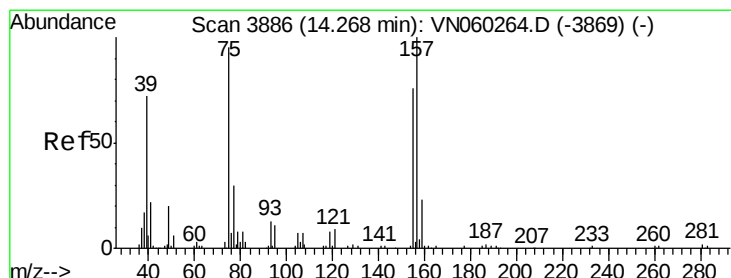
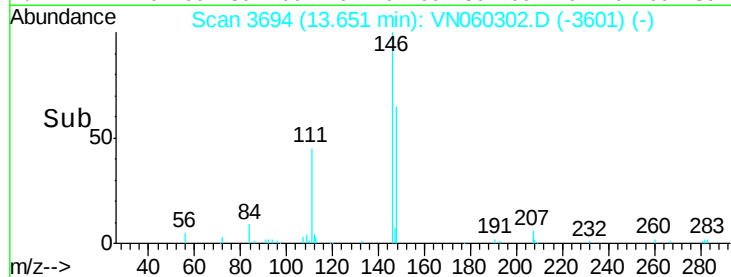
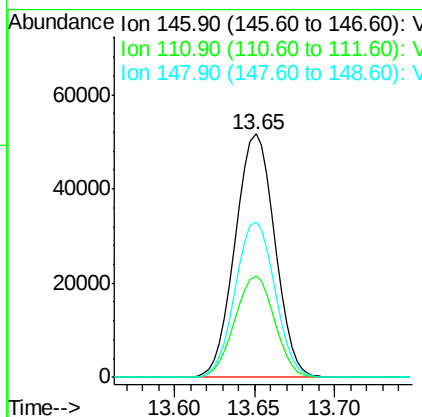
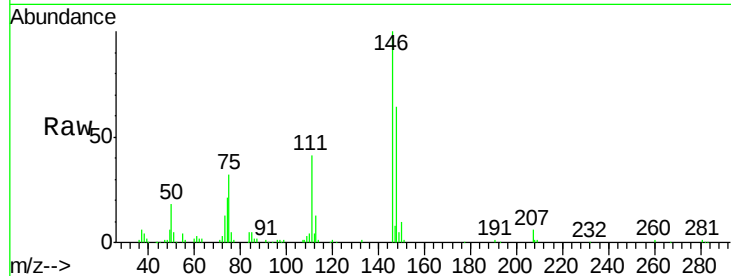
#91
 1,2-Dichlorobenzene
 Concen: 18.368 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0302MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	63.7	31.8	95.3

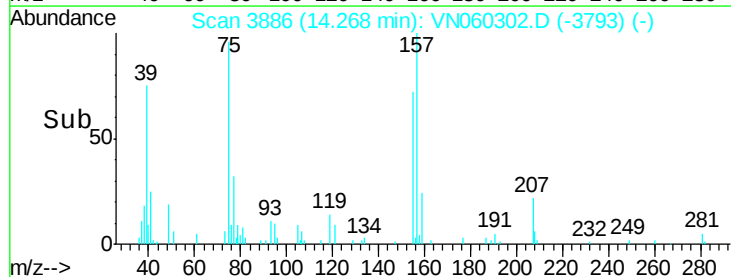
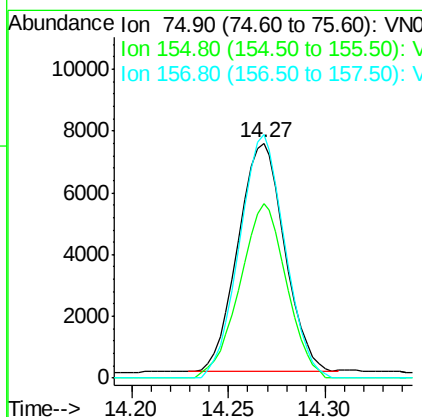
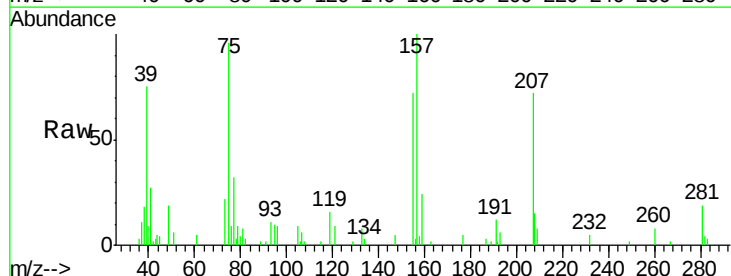
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.033 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	40.4	121.2
157	104.4	52.5	157.5





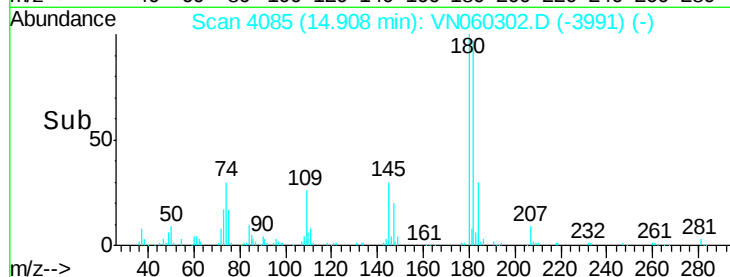
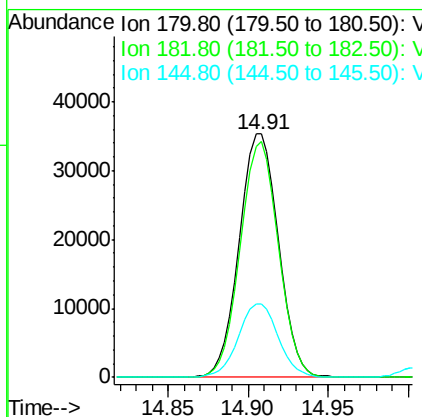
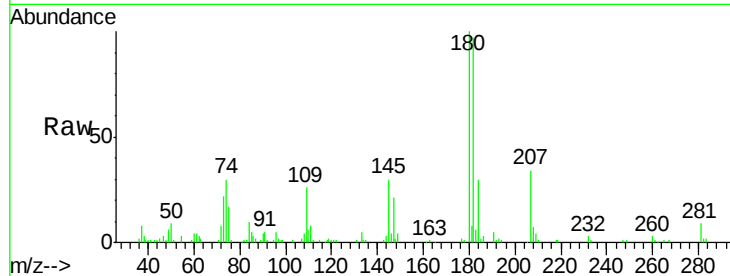
#93
 1,2,4-Trichlorobenzene
 Concen: 19.544 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59041		
182	93.9	47.8	143.3	
145	30.6	15.4	46.1	

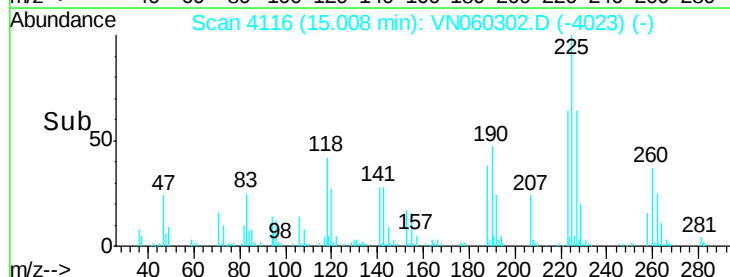
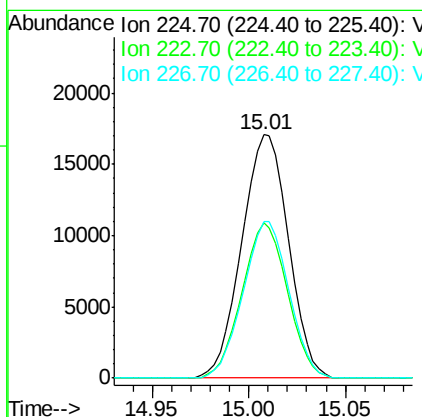
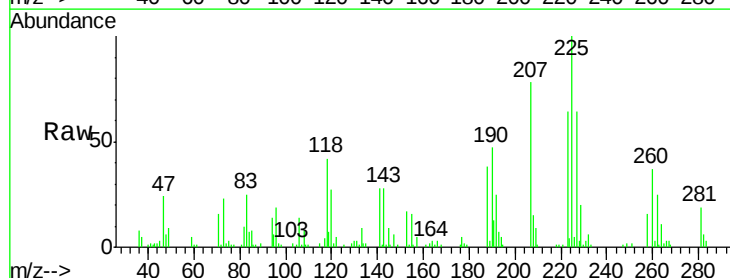
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#94
 Hexachlorobutadiene
 Concen: 20.253 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28676		
223	62.0	31.3	93.9	
227	63.0	32.3	96.9	





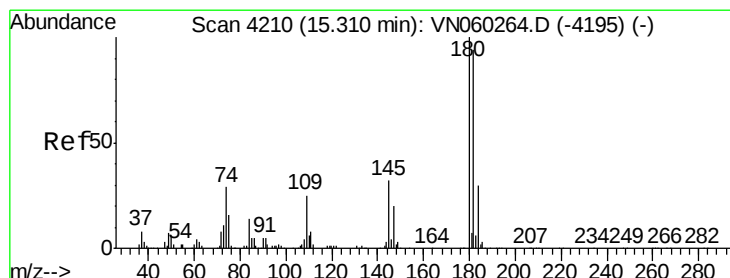
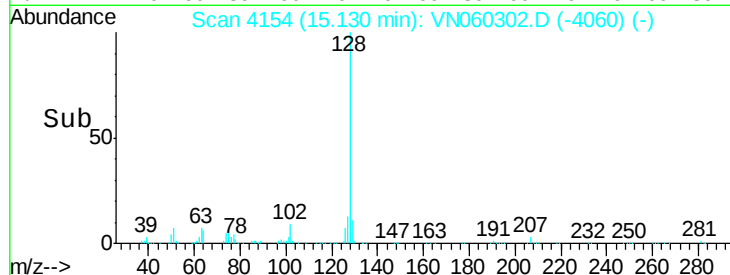
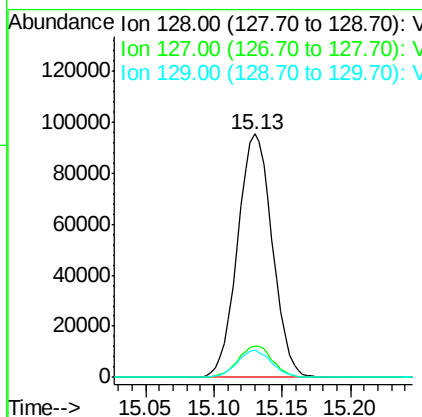
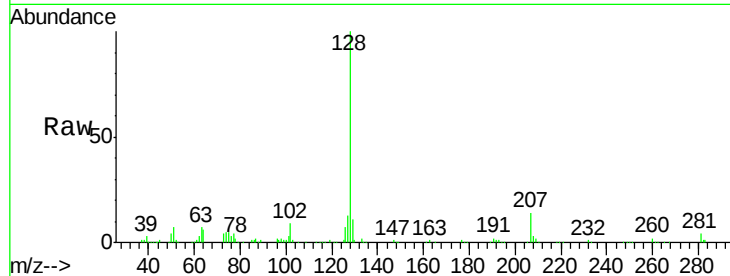
#95
Naphthalene
Concen: 18.709 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0302MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/3/2020 10:04:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.723 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	142.0
145	32.4	16.2	48.5

