

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030420\
 Data File : VN060340.D
 Acq On : 4 Mar 2020 11:25
 Operator : JC/MD
 Sample : VN0304WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:46:12 PM

Quant Time: Mar 05 05:53:27 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	207481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130933	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.56	113	88867	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	
50) Toluene-d8	10.08	98	384175	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	143240	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31490	16.554	ug/l	99
3) Chloromethane	2.04	50	56425	17.037	ug/l	97
4) Vinyl Chloride	2.16	62	45898	16.159	ug/l	98
5) Bromomethane	2.54	94	17776	13.808	ug/l	96
6) Chloroethane	2.68	64	25473	16.552	ug/l	97
7) Trichlorofluoromethane	3.00	101	61415	16.924	ug/l	98
8) Diethyl Ether	3.38	74	23704	17.300	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35397	17.235	ug/l	100
10) Methyl Iodide	3.92	142	30991	16.534	ug/l	98
11) Tert butyl alcohol	4.73	59	35394	89.543	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	35573	17.796	ug/l	97
13) Acrolein	3.57	56	35985	97.585	ug/l	98
14) Allyl chloride	4.29	41	59228	16.115	ug/l	90
15) Acrylonitrile	4.94	53	93733	89.966	ug/l	99
16) Acetone	3.78	43	78924	91.810	ug/l	98
17) Carbon Disulfide	4.03	76	90836	16.703	ug/l	99
18) Methyl Acetate	4.29	43	47514	16.562	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	131177	18.125	ug/l	98
20) Methylene Chloride	4.52	84	40224	17.038	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38076	17.502	ug/l	94
22) Diisopropyl ether	5.91	45	137211	18.431	ug/l	98
23) Vinyl Acetate	5.86	43	538636	91.052	ug/l	100
24) 1,1-Dichloroethane	5.82	63	76541	18.163	ug/l	98
25) 2-Butanone	6.80	43	126932	91.415	ug/l	99
26) 2,2-Dichloropropane	6.79	77	67553	17.608	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	46399	16.949	ug/l	99
28) Bromochloromethane	7.17	49	31578	18.251	ug/l	100
29) Tetrahydrofuran	7.18	42	86679	89.771	ug/l	99
30) Chloroform	7.35	83	76355	18.201	ug/l	98
31) Cyclohexane	7.63	56	67629	17.946	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	67674	18.207	ug/l	99
36) 1,1-Dichloropropene	7.77	75	56320	17.566	ug/l	98
37) Ethyl Acetate	6.90	43	55254	18.200	ug/l	99
38) Carbon Tetrachloride	7.75	117	55070	17.642	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65598	17.353	ug/l	97
40) Benzene	8.02	78	167039	17.900	ug/l	99
41) Methacrylonitrile	7.14	41	24462	17.451	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61486	18.259	ug/l	99
43) Isopropyl Acetate	8.14	43	98636	18.559	ug/l	99
44) Trichloroethene	8.82	130	46816	18.013	ug/l	99
45) 1,2-Dichloropropane	9.10	63	46035	18.868	ug/l	99
46) Dibromomethane	9.19	93	28832	18.212	ug/l	98
47) Bromodichloromethane	9.39	83	59507	18.482	ug/l	98
48) Methyl methacrylate	9.18	41	42690	17.614	ug/l	99
49) 1,4-Dioxane	9.18	88	12334	361.887	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	281389	93.380	ug/l	99
52) Toluene	10.14	92	105223	17.950	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	69718	17.671	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	73650	18.015	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	41436	17.578	ug/l	99
56) Ethyl methacrylate	10.42	69	60668	17.914	ug/l	97
57) 1,3-Dichloropropane	10.70	76	71388	18.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	161256	91.041	ug/l	99
59) 2-Hexanone	10.74	43	200076	90.430	ug/l	99
60) Dibromochloromethane	10.89	129	43801	18.271	ug/l	100
61) 1,2-Dibromoethane	11.00	107	41740	18.164	ug/l	100
64) Tetrachloroethene	10.62	164	49215	19.379	ug/l	99
65) Chlorobenzene	11.43	112	109873	17.624	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42541	18.455	ug/l	100
67) Ethyl Benzene	11.50	91	203256	17.903	ug/l	100
68) m/p-Xylenes	11.62	106	151525	35.374	ug/l	99
69) o-Xylene	11.94	106	73303	17.946	ug/l	100
70) Styrene	11.96	104	116340	17.323	ug/l	99
71) Bromoform	12.12	173	30031	18.076	ug/l #	98
73) Isopropylbenzene	12.25	105	199731	18.205	ug/l	100
74) N-amyl acetate	12.06	43	83876	17.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55359	18.563	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49631m	15.282	ug/l	
77) Bromobenzene	12.52	156	47241	17.566	ug/l	98
78) n-propylbenzene	12.59	91	231222	17.979	ug/l	100
79) 2-Chlorotoluene	12.67	91	136475	18.053	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	168510	18.242	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21038	17.882	ug/l #	85
82) 4-Chlorotoluene	12.77	91	140349	17.621	ug/l	99
83) tert-Butylbenzene	12.99	119	144734	18.097	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	168615	18.085	ug/l	100
85) sec-Butylbenzene	13.17	105	193448	18.063	ug/l	99
86) p-Isopropyltoluene	13.28	119	174081	17.562	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	85184	18.313	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86103	18.522	ug/l	98
89) n-Butylbenzene	13.61	91	160191	17.604	ug/l	100
90) Hexachloroethane	13.87	117	23820	16.601	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82770	17.564	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11889	17.604	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52624	17.632	ug/l	99
94) Hexachlorobutadiene	15.01	225	26335	18.775	ug/l	99
95) Naphthalene	15.13	128	151622	17.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51338	18.089	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion:168 Resp: 207481

Ion Ratio Lower Upper

168 100

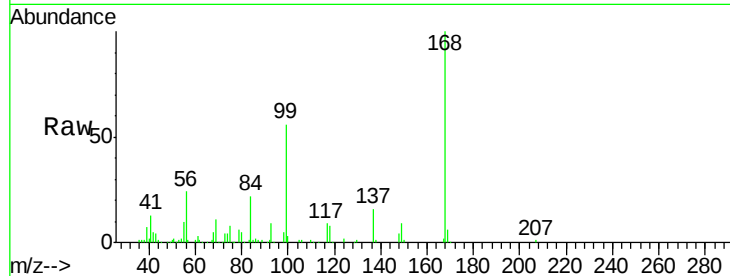
99 56.4 44.7 67.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

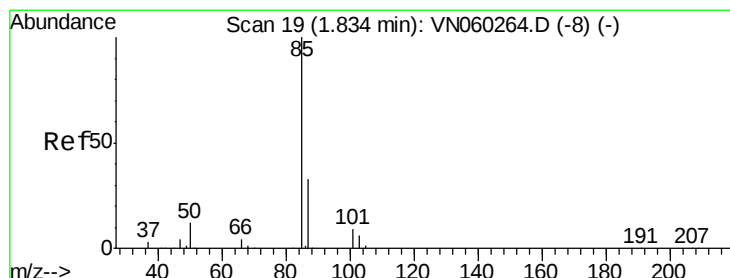
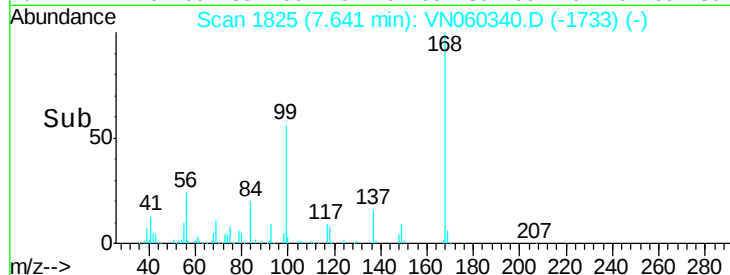
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.554 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060340.D

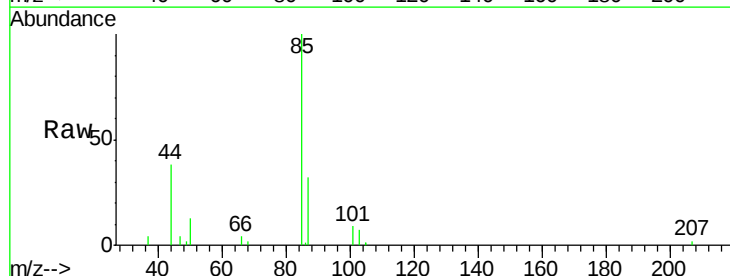
Acq: 4 Mar 2020 11:25

Tgt Ion: 85 Resp: 31490

Ion Ratio Lower Upper

85 100

87 31.9 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

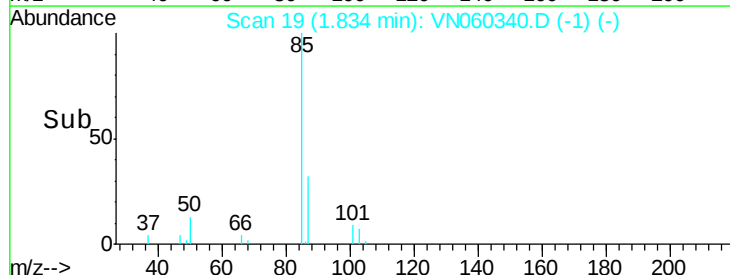
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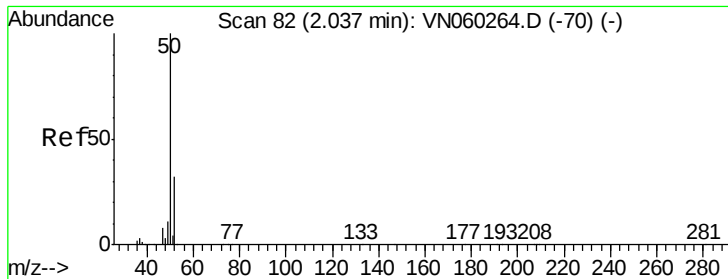
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.037 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion: 50 Resp: 56425

Ion Ratio Lower Upper

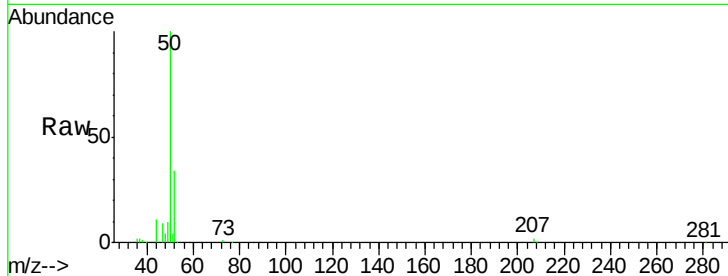
50 100

52 33.7 25.6 38.4

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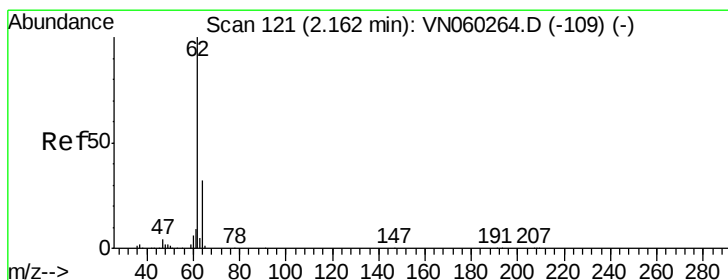
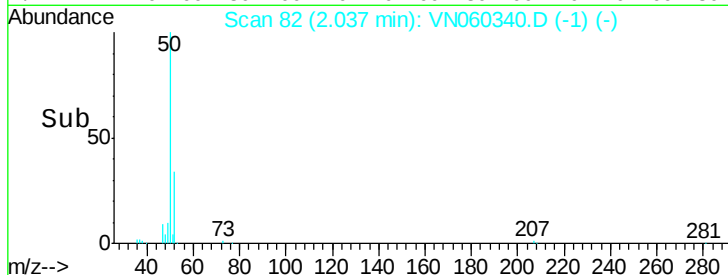
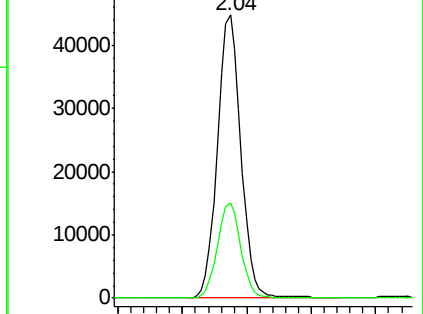
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.159 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060340.D

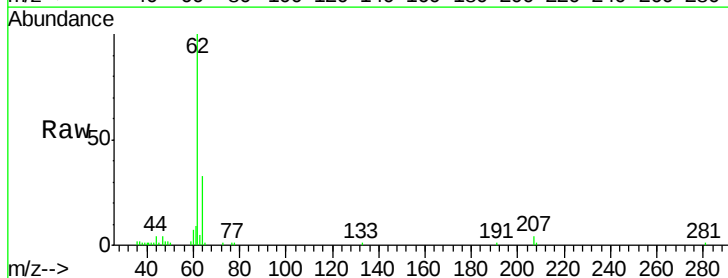
Acq: 4 Mar 2020 11:25

Tgt Ion: 62 Resp: 45898

Ion Ratio Lower Upper

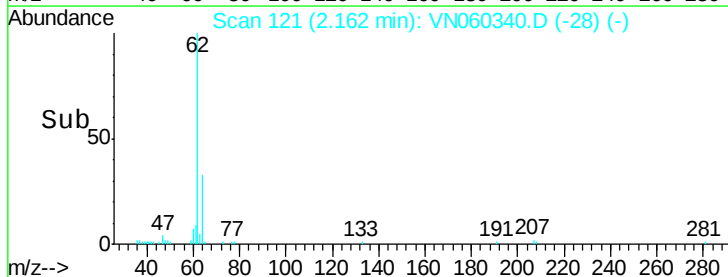
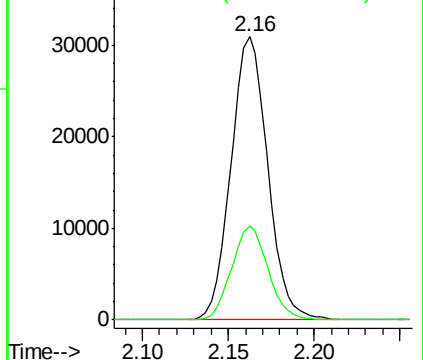
62 100

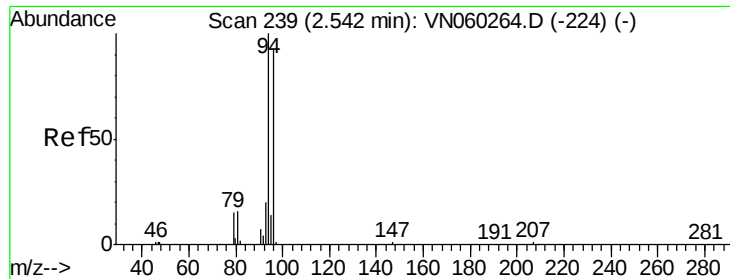
64 33.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 13.808 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

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VN0304WBS01

Tot Ion: 94 Resp: 17776

Ion Ratio Lower Upper

94 100

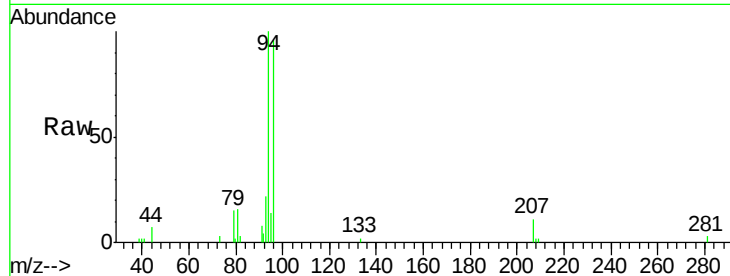
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Manual Integrations

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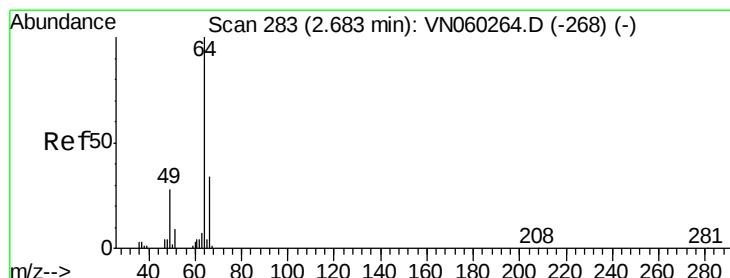
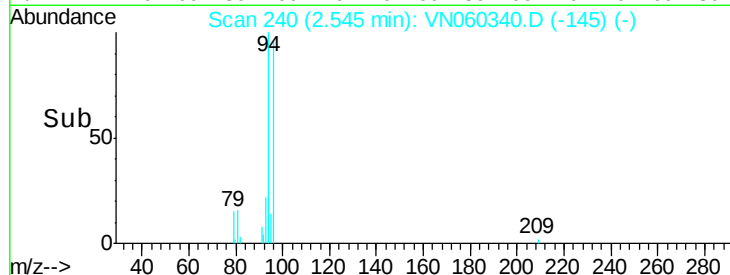
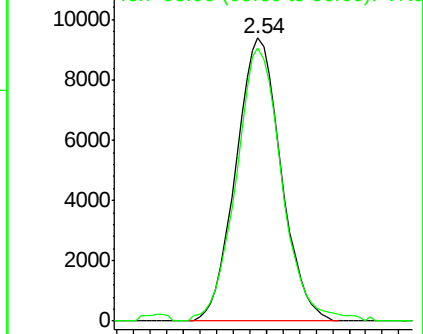
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.552 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060340.D

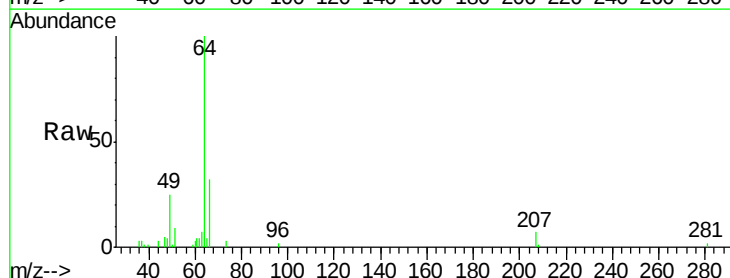
Acq: 4 Mar 2020 11:25

Tgt Ion: 64 Resp: 25473

Ion Ratio Lower Upper

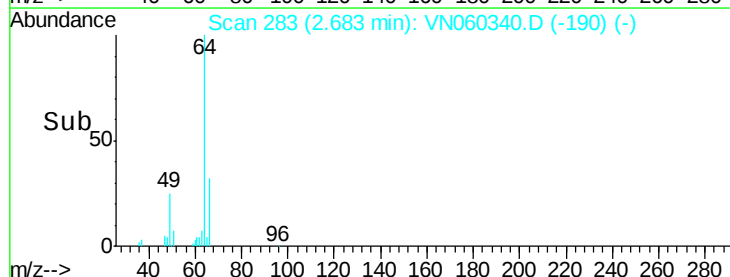
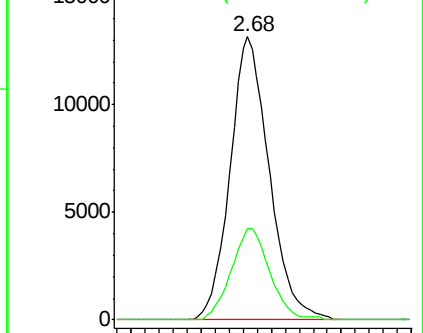
64 100

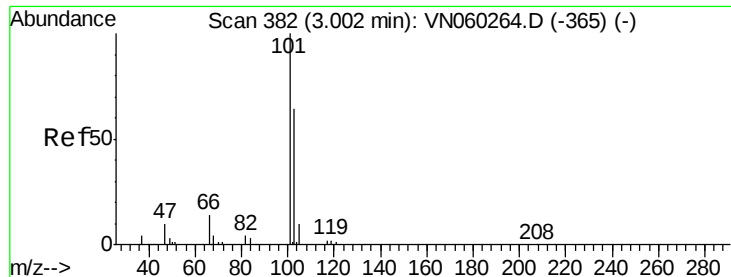
66 32.3 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

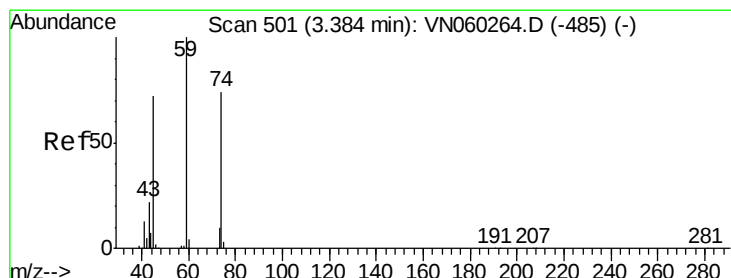
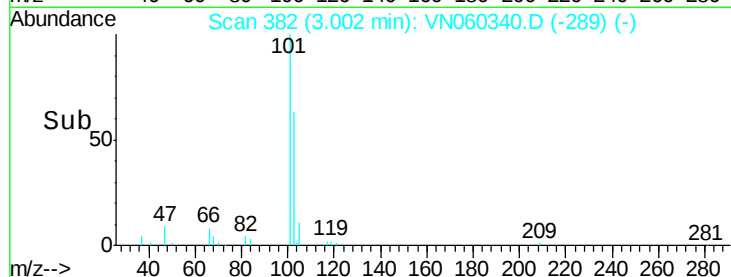
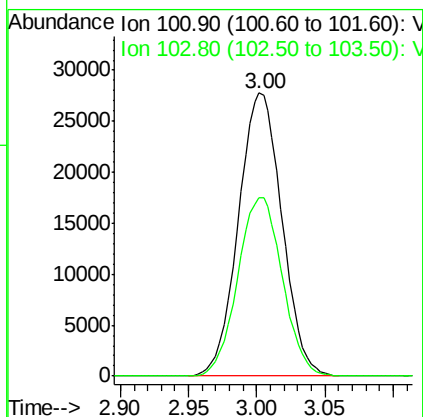
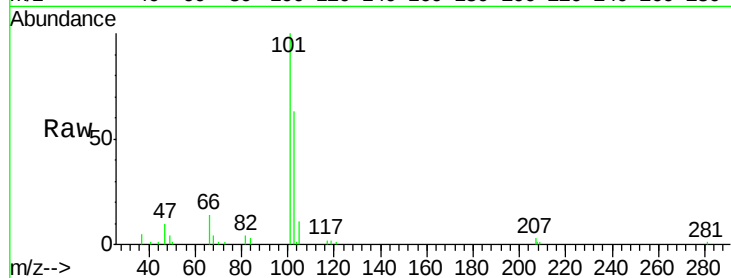
Trichlorofluoromethane
 Concen: 16.924 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.3	76.9

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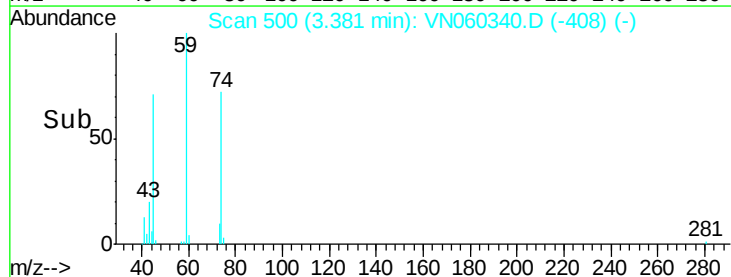
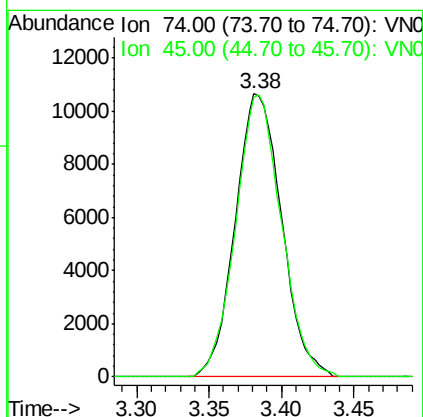
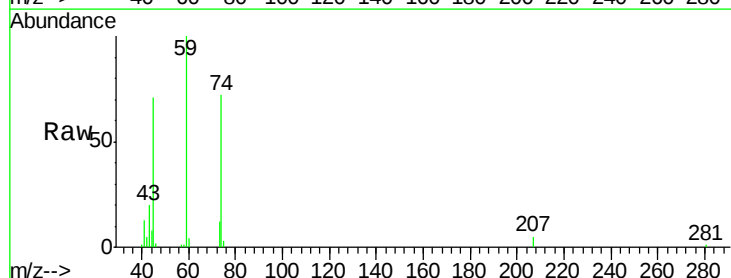
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#8

Diethyl Ether
 Concen: 17.300 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.235 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

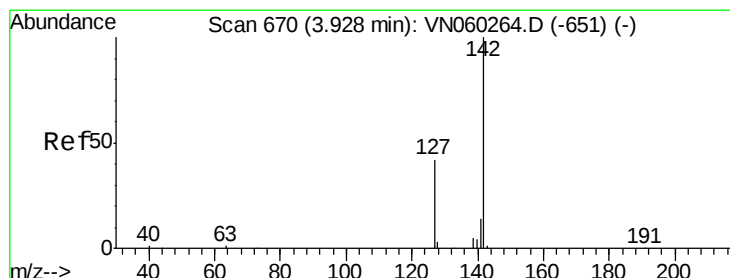
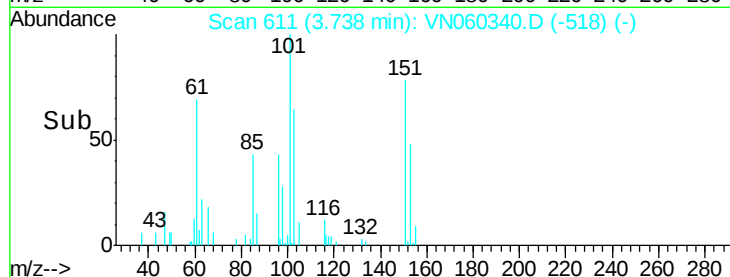
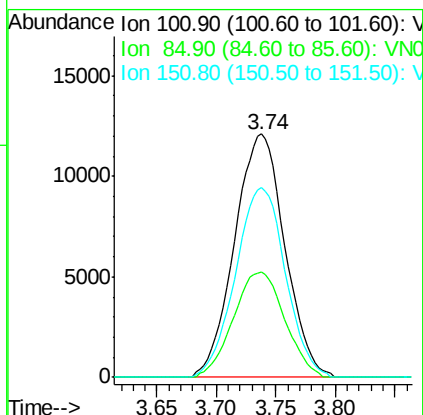
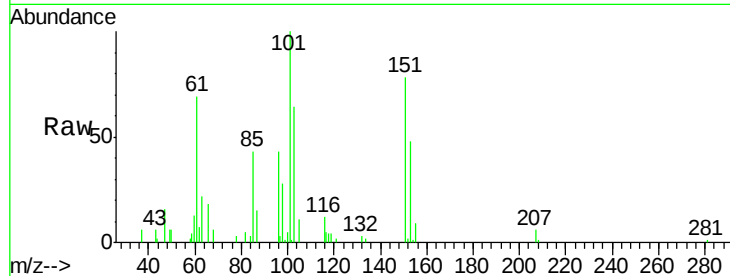
ClientSampleId :

VN0304WBS01

Tot Ion:	101	Resp:	35397
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.4	53.2
151	77.6	62.0	93.0

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#10

Methyl Iodide

Concen: 16.534 ug/l

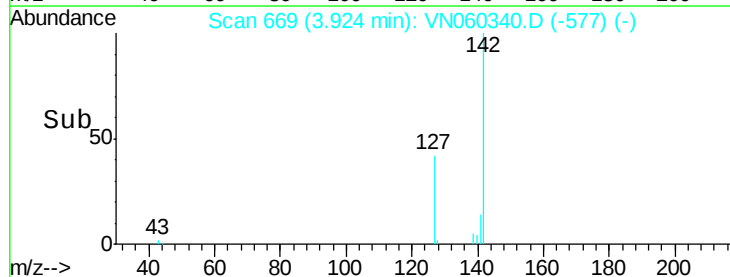
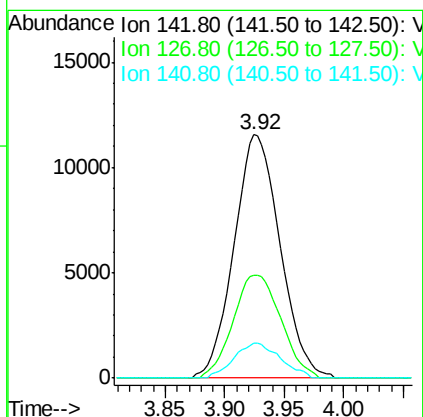
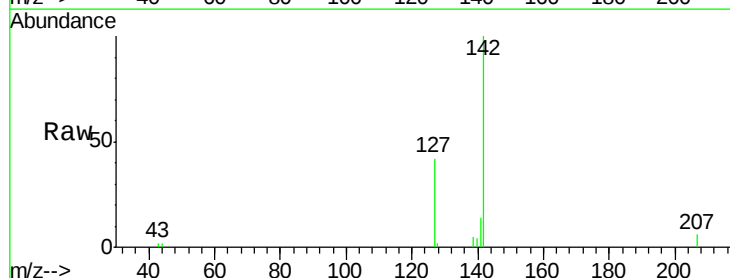
RT: 3.92 min Scan# 669

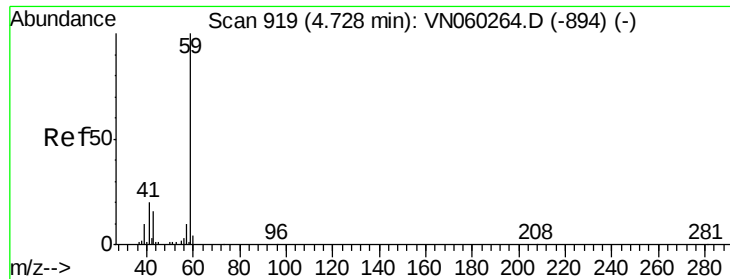
Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:	142	Resp:	30991
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.6
141	14.4	11.1	16.7





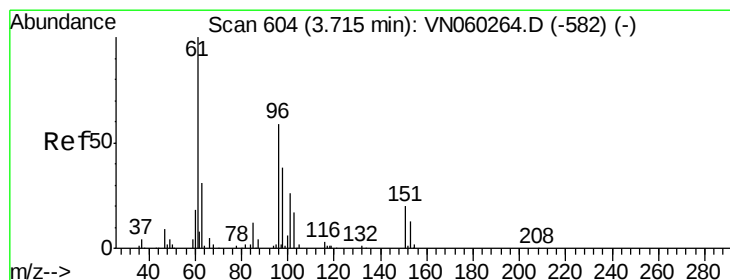
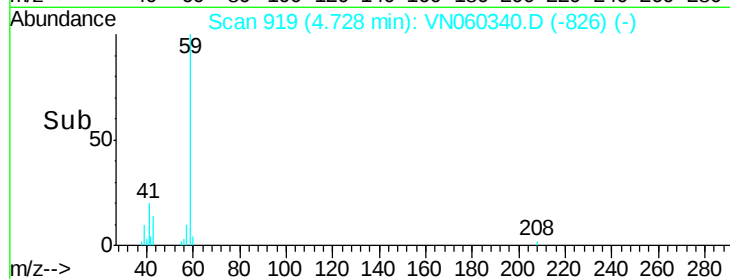
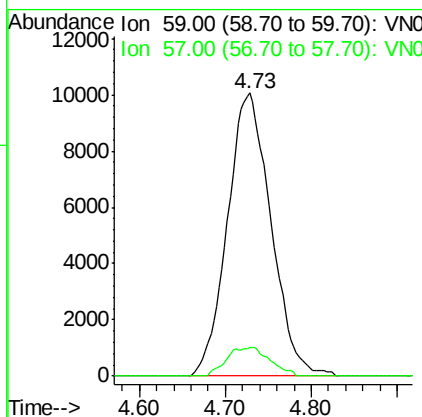
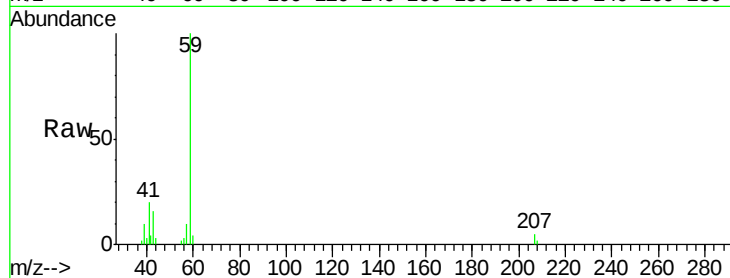
#11
Tert butyl alcohol
Concen: 89.543 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.9	8.2	12.2#

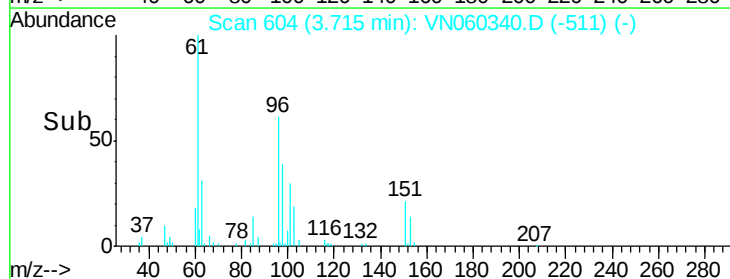
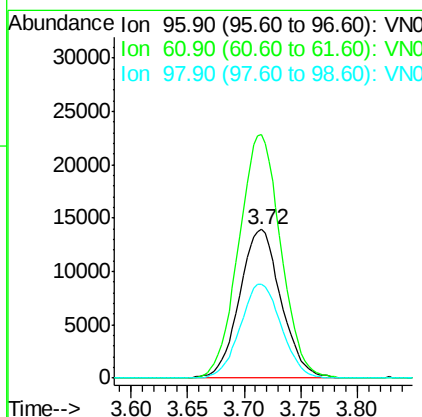
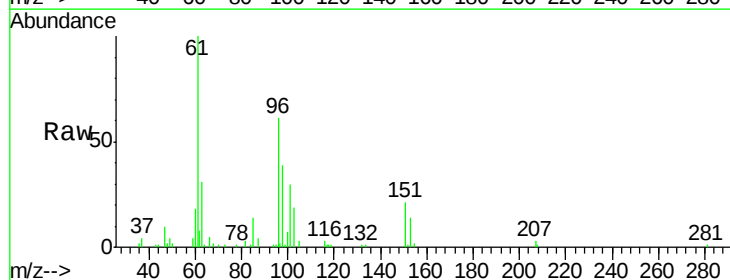
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 17.796 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	135.4	203.0
98	63.5	51.6	77.4





#13

Acrolein

Concen: 97.585 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion: 56 Resp: 35985

Ion Ratio Lower Upper

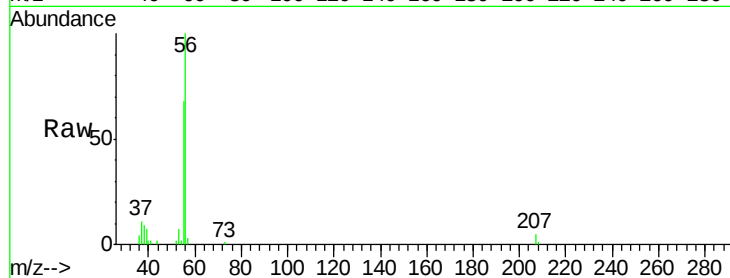
56 100

55 69.8 57.4 86.0

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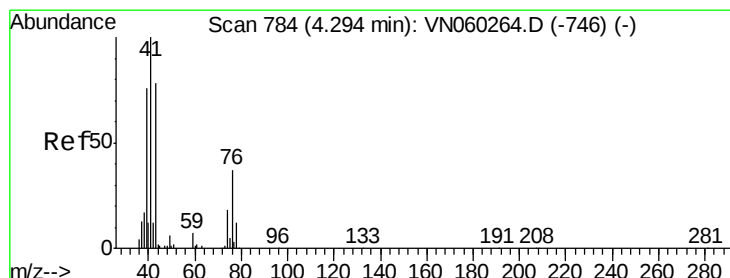
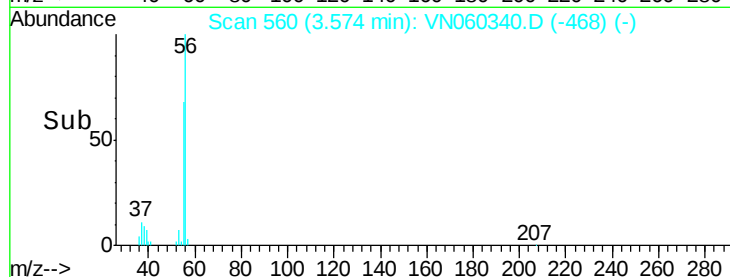
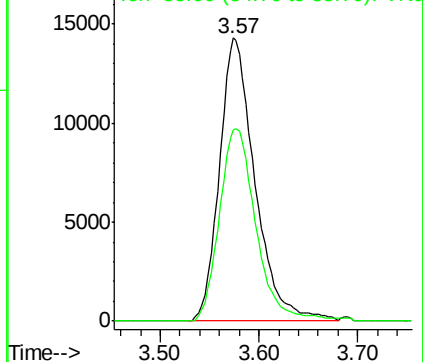
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.115 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

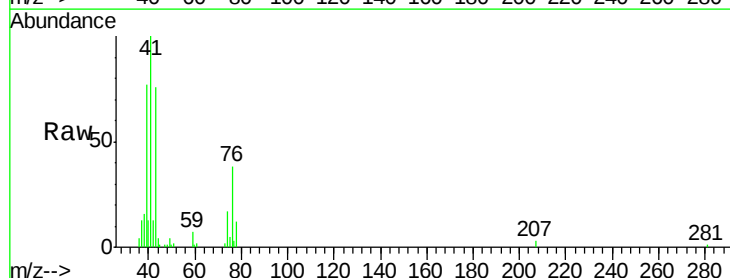
Tgt Ion: 41 Resp: 59228

Ion Ratio Lower Upper

41 100

39 79.1 55.4 83.2

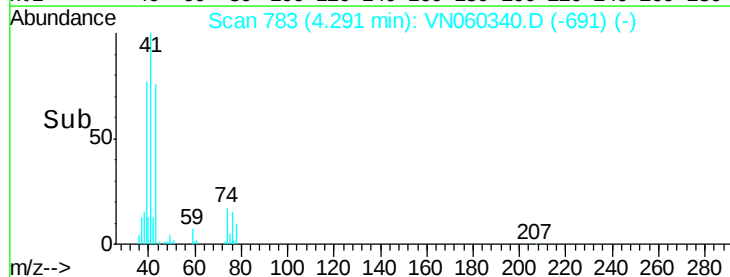
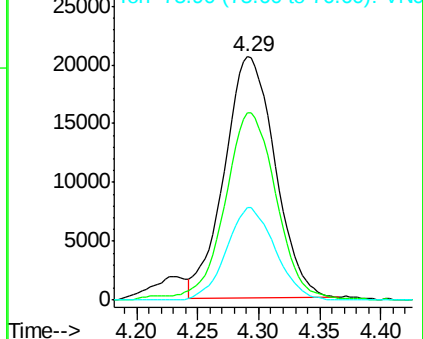
76 36.9 27.0 40.6

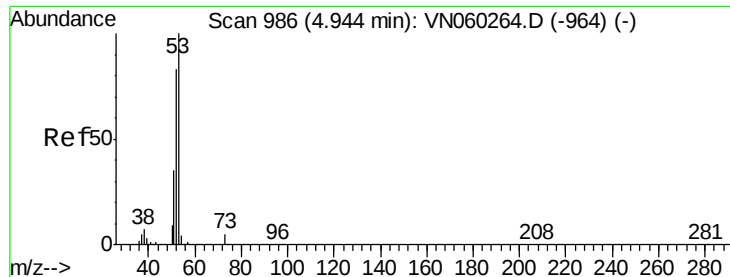


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 89.966 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

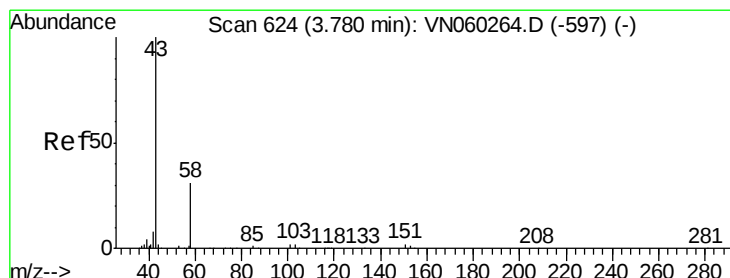
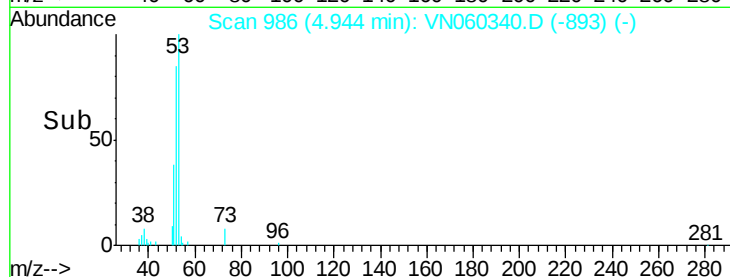
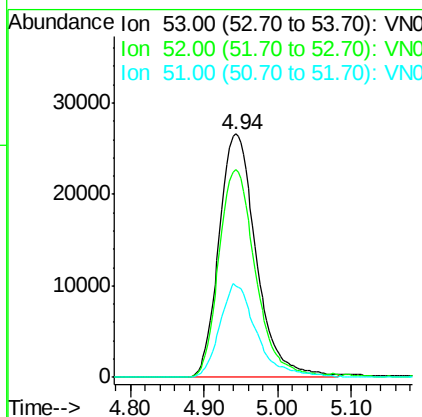
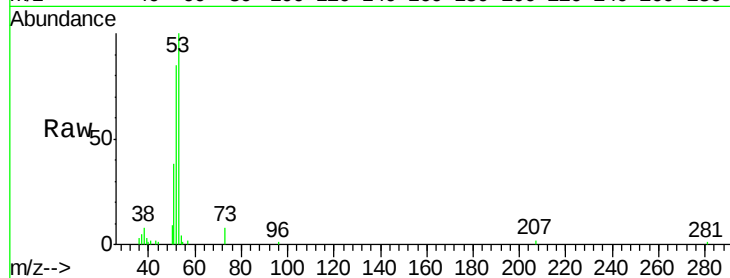
ClientSampleId :

VN0304WBS01

Tot Ion:	53	Resp:	93733
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.8	100.2
51	38.0	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 91.810 ug/l

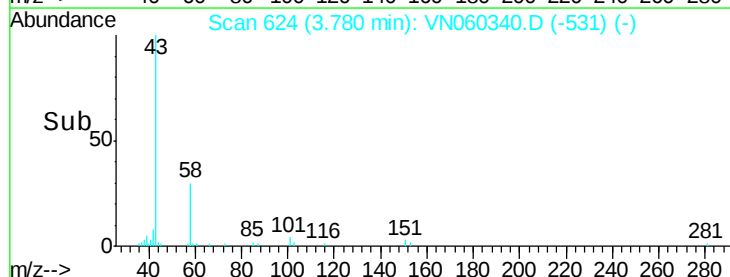
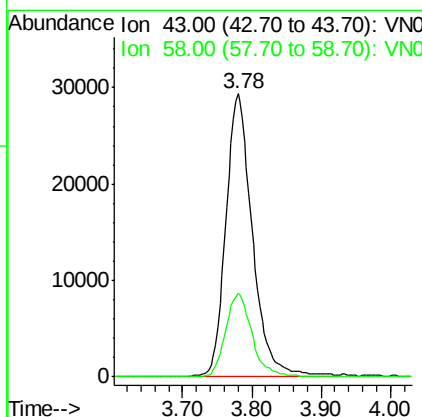
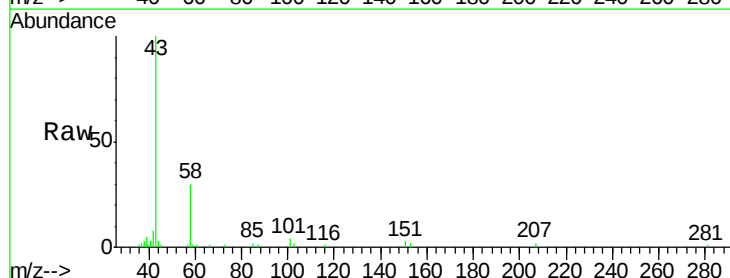
RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:	43	Resp:	78924
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8





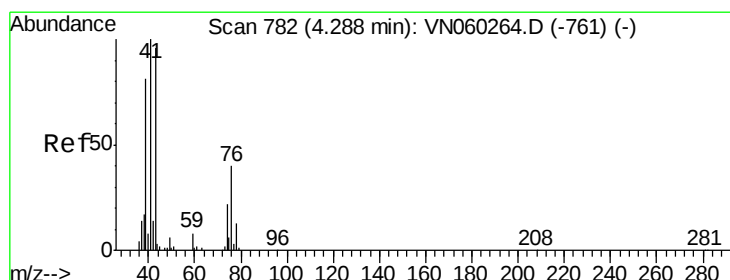
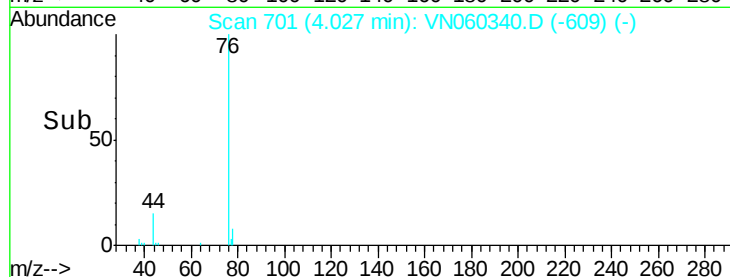
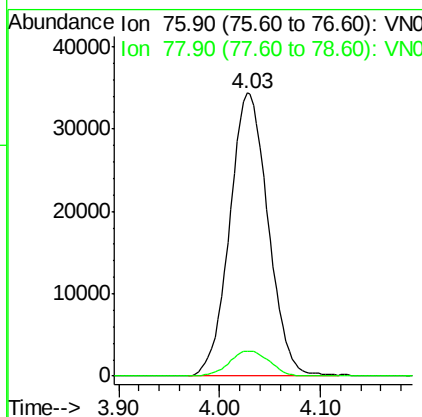
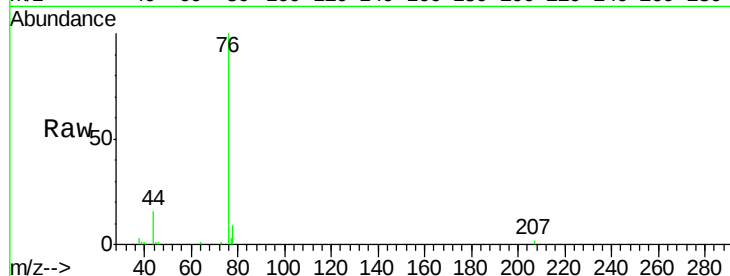
#17
Carbon Disulfide
Concen: 16.703 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

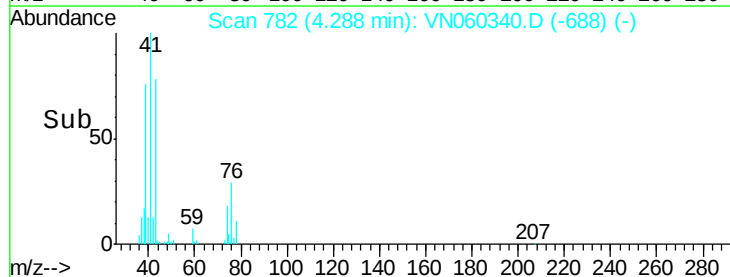
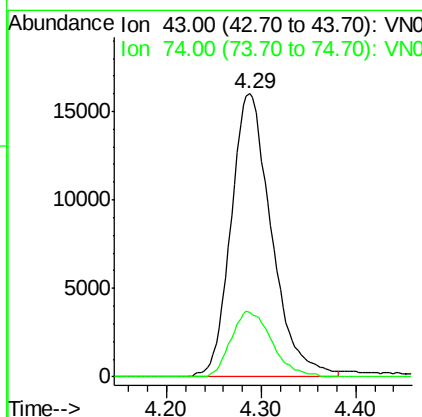
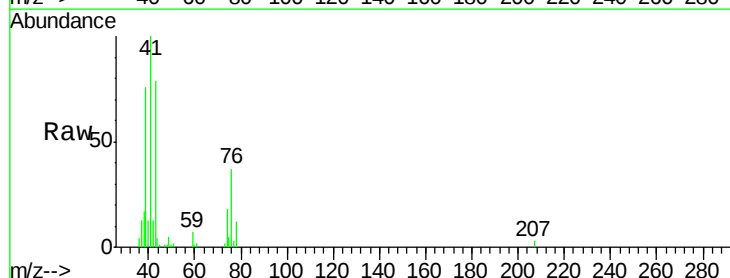
Manual Integrations
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#18
Methyl Acetate
Concen: 16.562 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.8	28.2





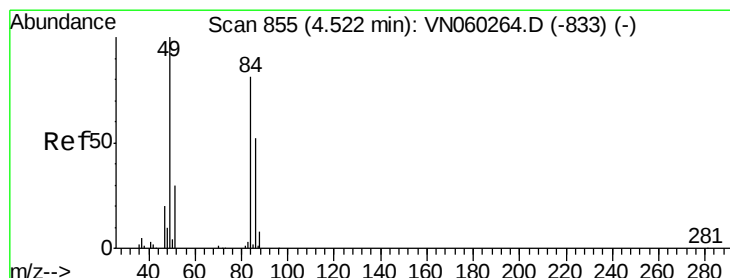
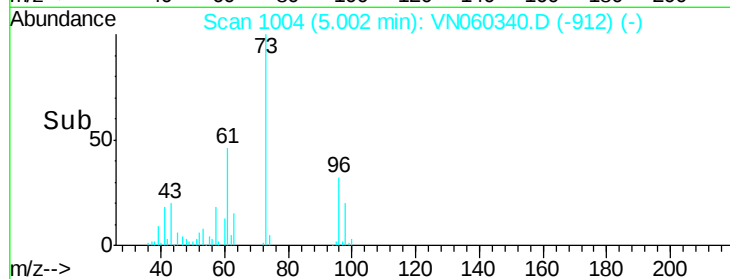
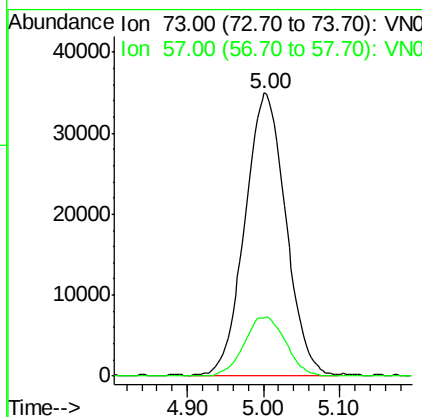
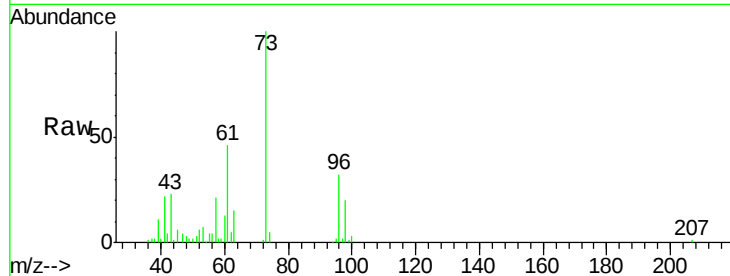
#19
Methvl tert-butvl Ether
Concen: 18.125 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.3	25.9

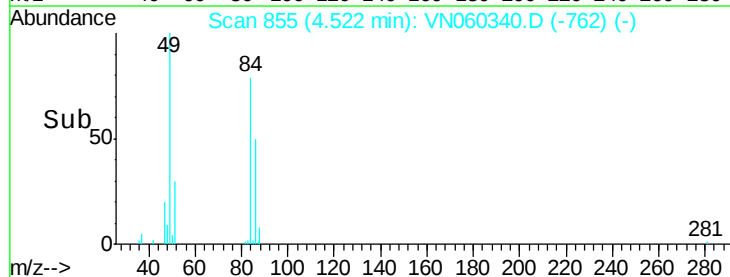
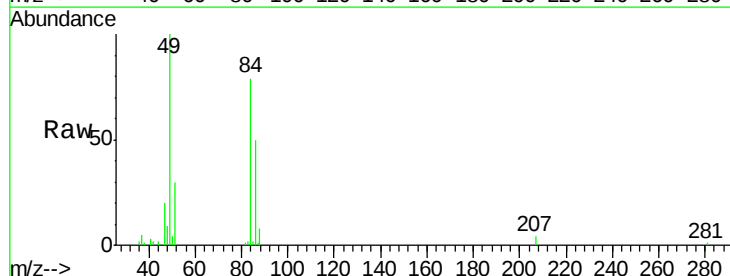
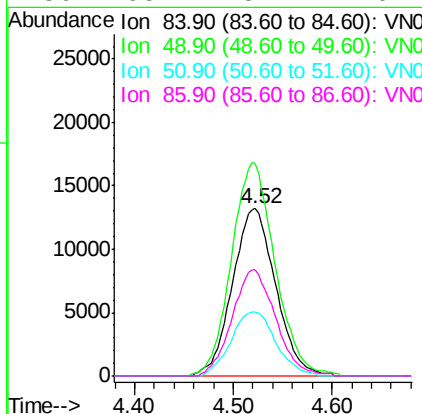
Manual Integrations
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#20
Methylene Chloride
Concen: 17.038 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.6	99.3	148.9
51	38.1	30.1	45.1
86	63.2	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 17.502 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

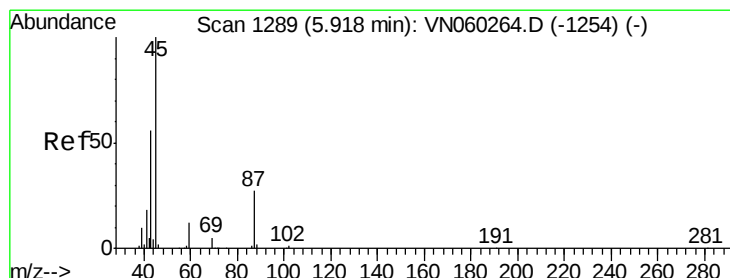
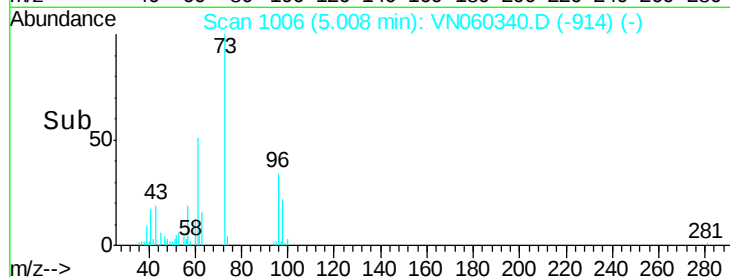
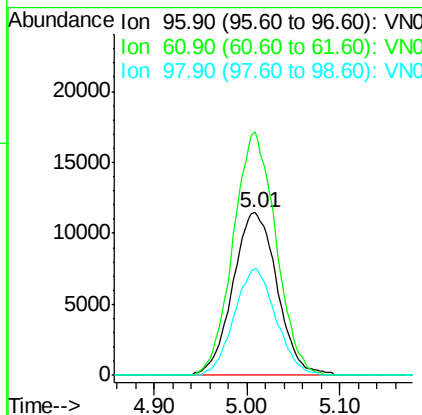
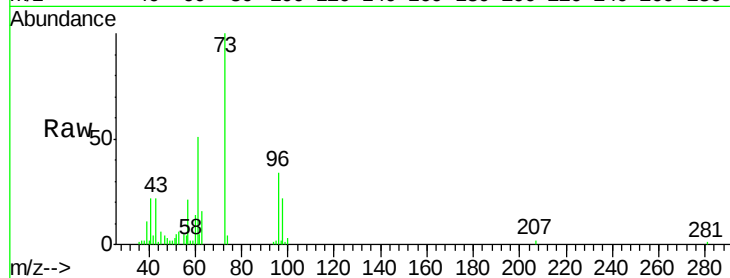
ClientSampleId :

VN0304WBS01

Tot Ion:	96	Resp:	38076
Ion	Ratio	Lower	Upper
96	100		
61	149.7	113.8	170.8
98	65.6	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.431 ug/l

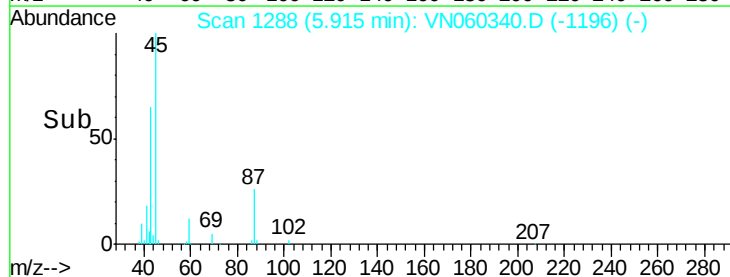
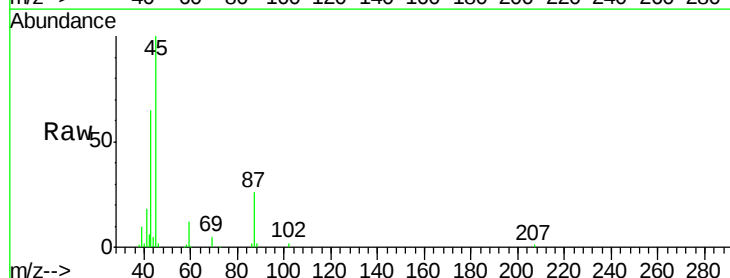
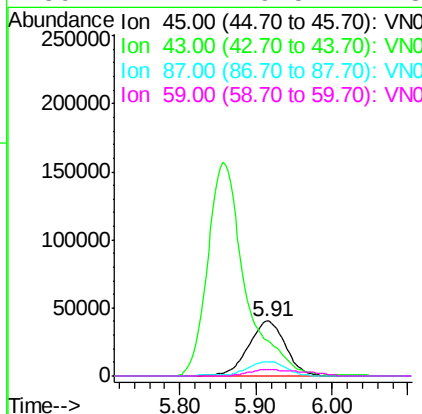
RT: 5.91 min Scan# 1288

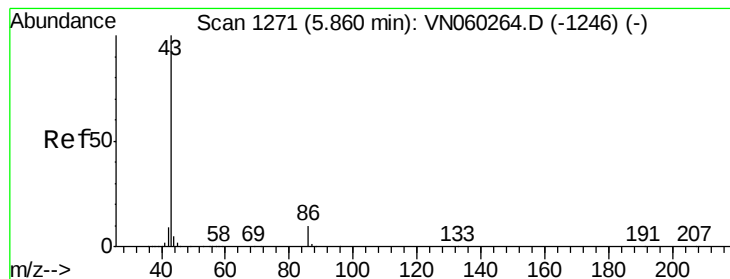
Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:	45	Resp:	137211
Ion	Ratio	Lower	Upper
45	100		
43	62.8	48.6	72.8
87	26.2	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 91.052 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion: 43 Resp: 538636

Ion Ratio Lower Upper

43 100

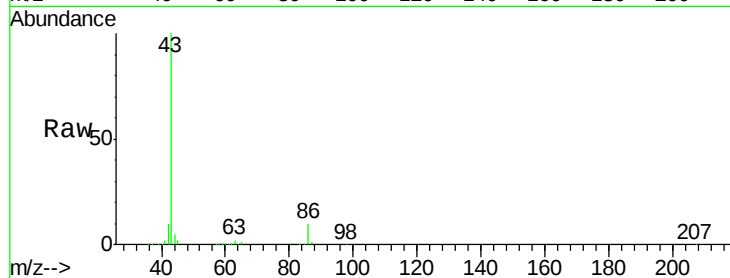
86 9.8 8.0 12.0

Manual Integrations

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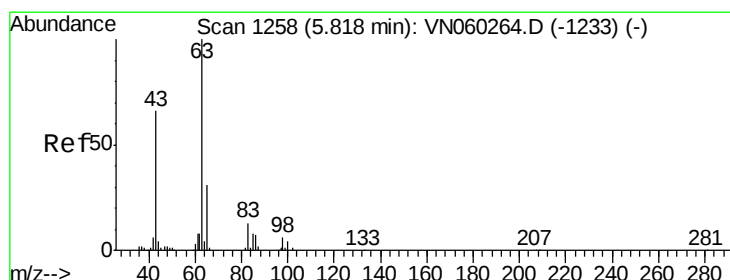
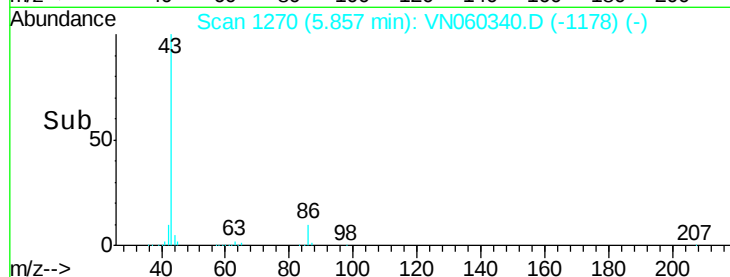
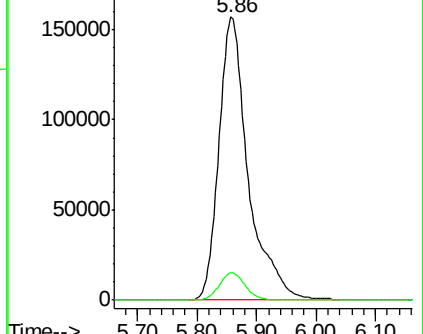
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.163 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

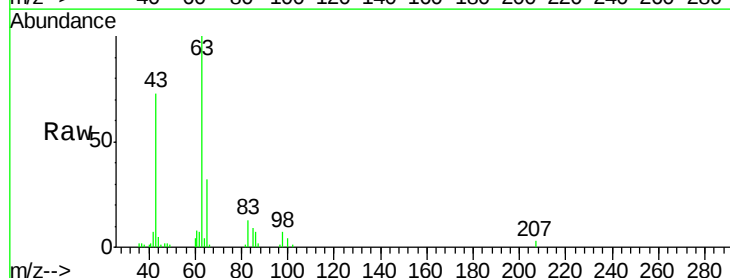
Tgt Ion: 63 Resp: 76541

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.0

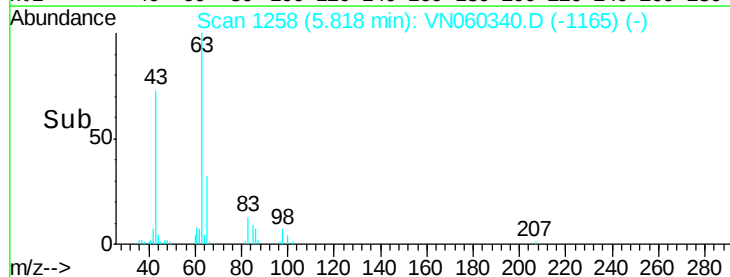
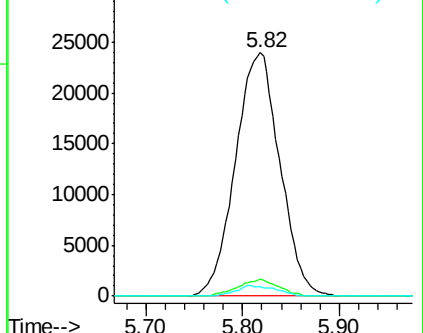
100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.415 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion: 43 Resp: 126932

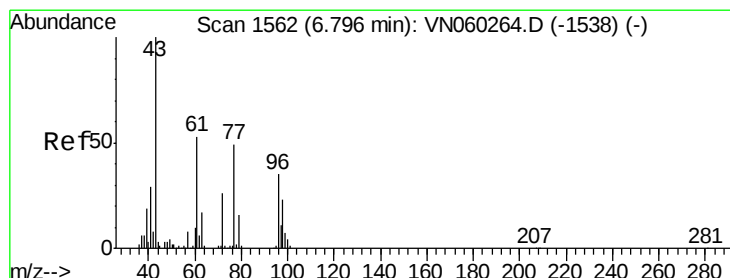
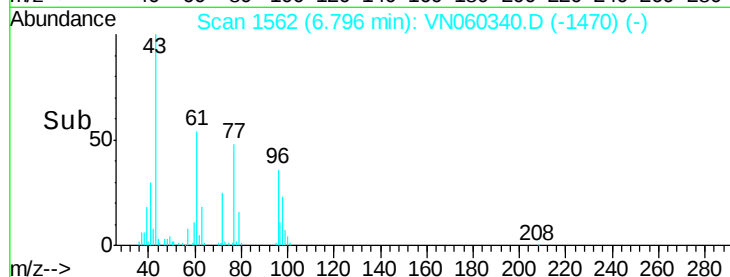
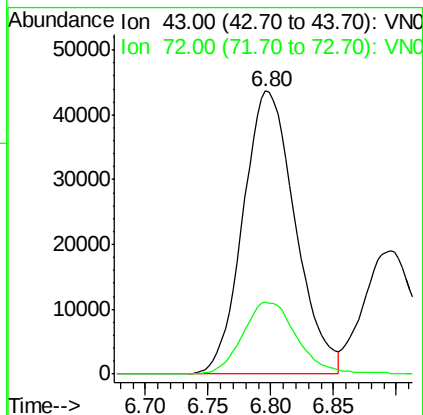
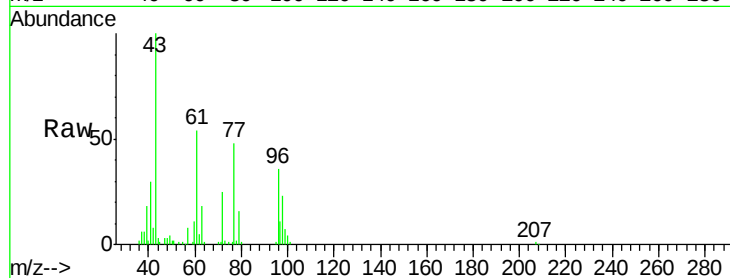
Ion Ratio Lower Upper

43 100

72 25.4 20.9 31.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 17.608 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060340.D

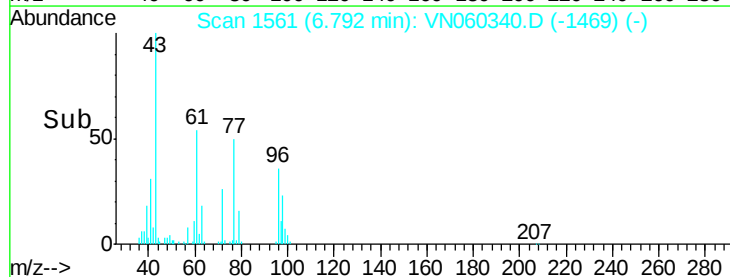
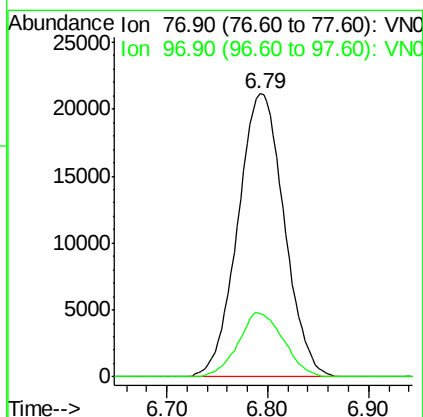
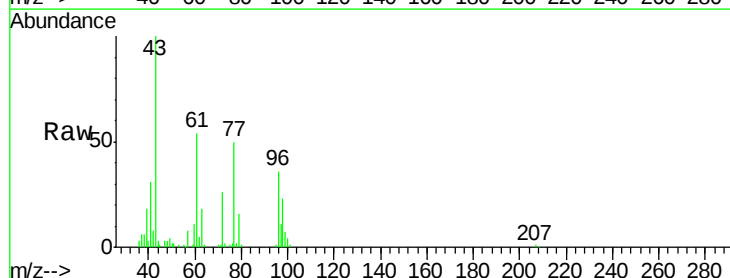
Acq: 4 Mar 2020 11:25

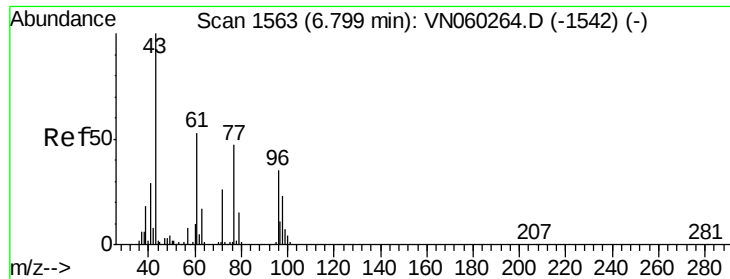
Tgt Ion: 77 Resp: 67553

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.949 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

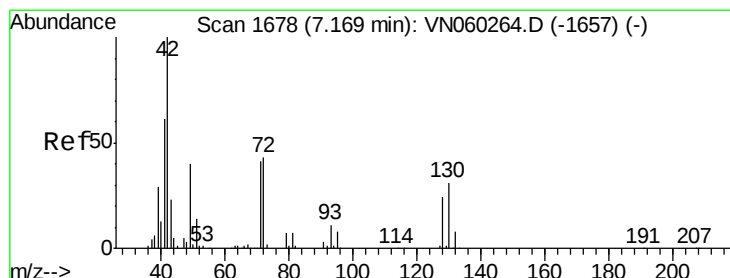
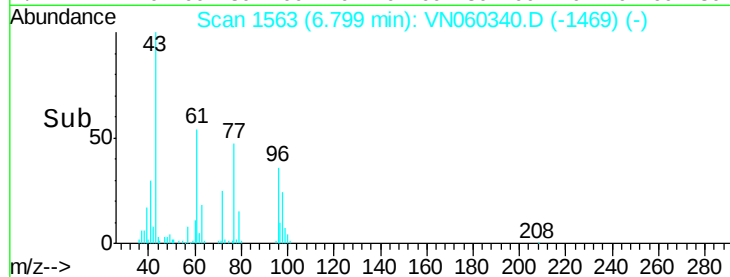
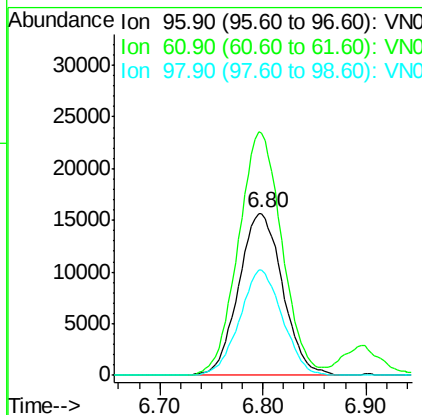
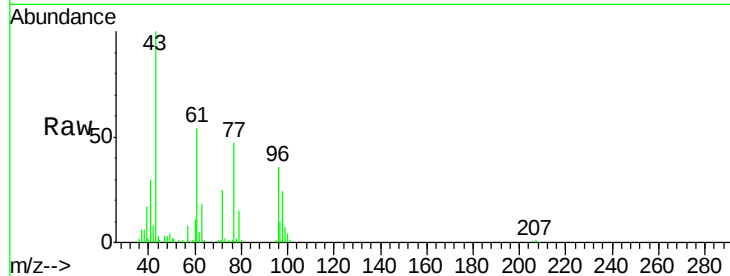
ClientSampleId :

VN0304WBS01

Tot Ion:	96	Resp:	46399
Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	300.8
98	63.3	0.0	128.2

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#28

Bromochloromethane

Concen: 18.251 ug/l

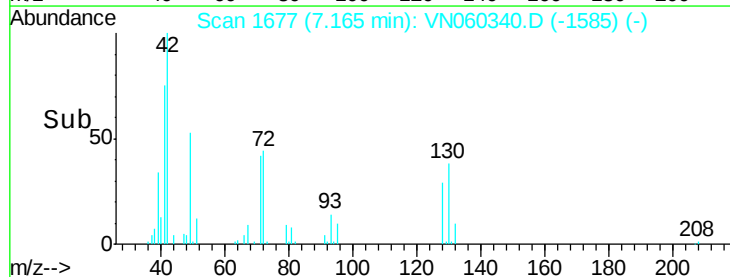
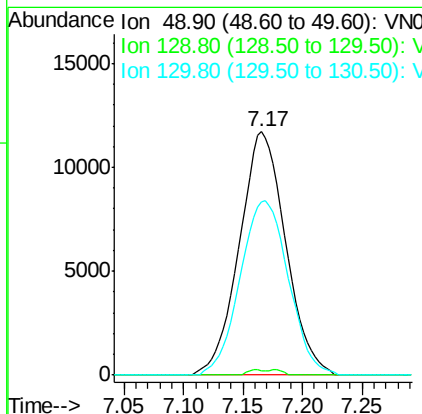
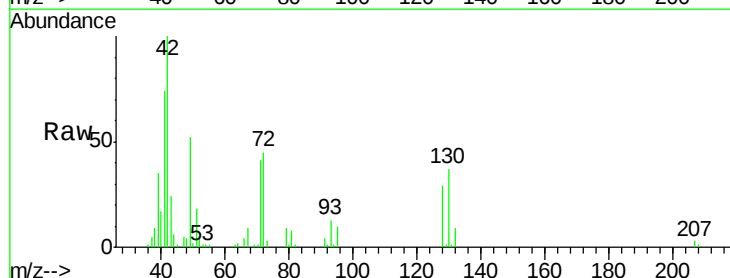
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:	49	Resp:	31578
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	74.7	59.8	89.8





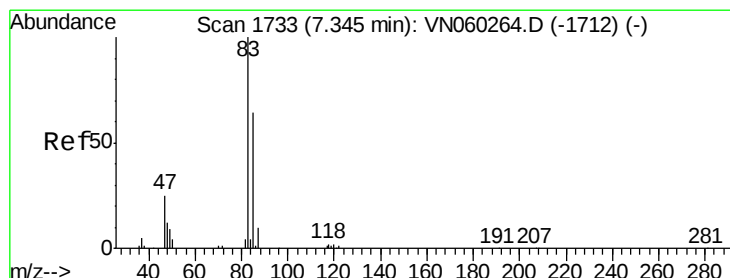
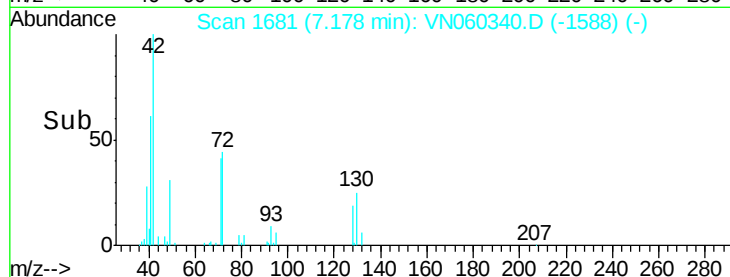
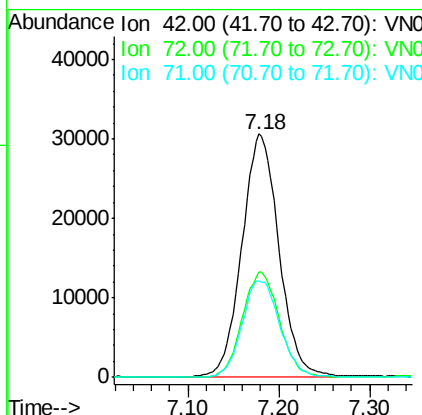
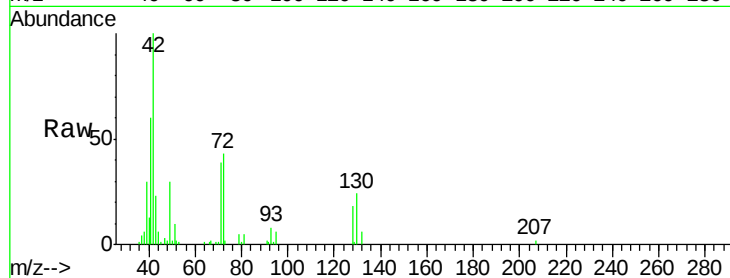
#29
Tetrahydrofuran
Concen: 89.771 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.6	52.0
71	40.5	32.9	49.3

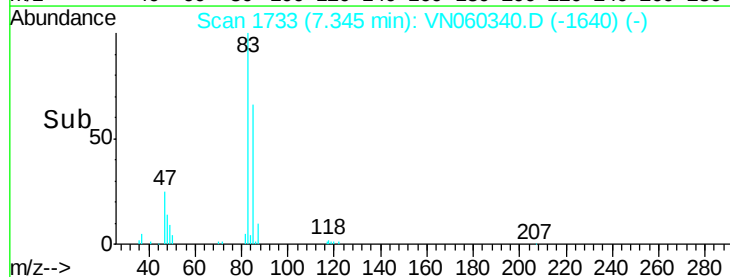
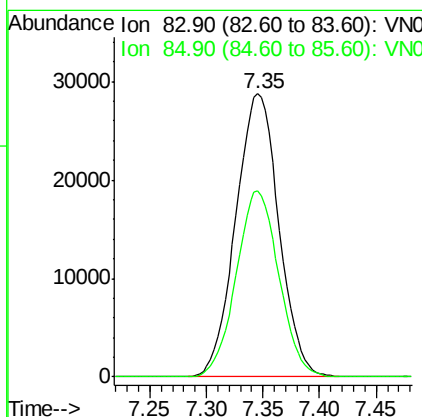
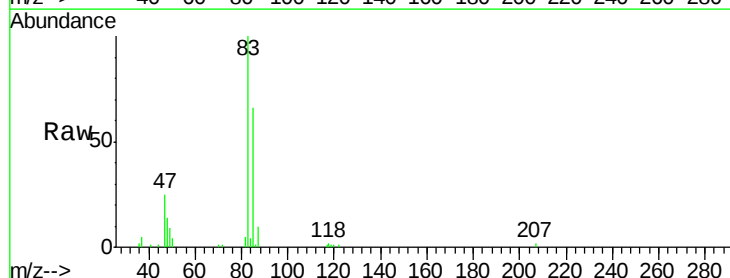
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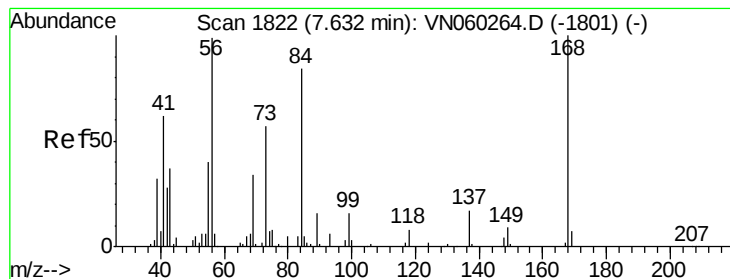
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#30
Chloroform
Concen: 18.201 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2





#31

Cyclohexane

Concen: 17.946 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion: 56 Resp: 67629

Ion Ratio Lower Upper

56 100

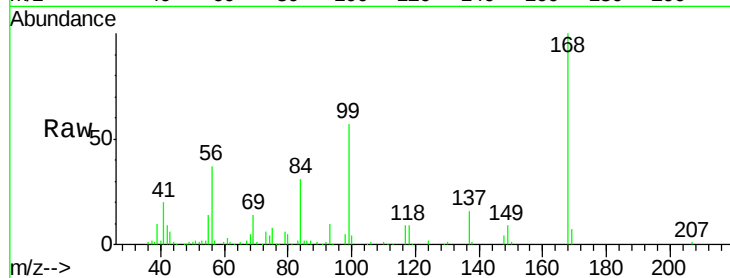
69 38.3 27.2 40.8

84 84.6 66.7 100.1

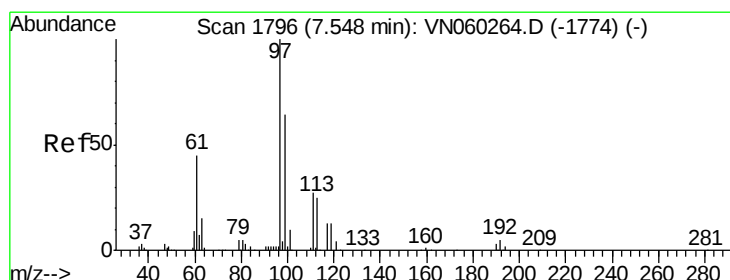
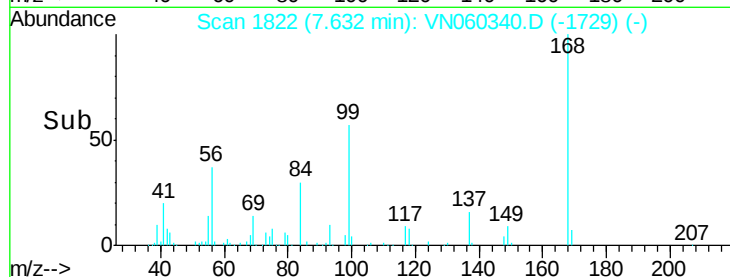
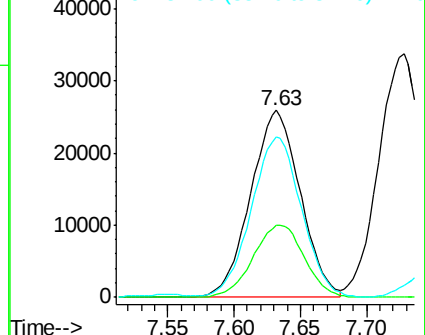
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.207 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

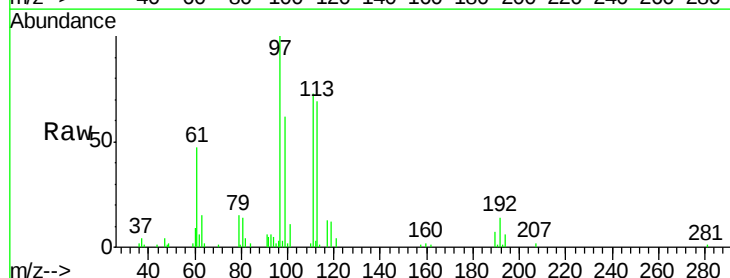
Tgt Ion: 97 Resp: 67674

Ion Ratio Lower Upper

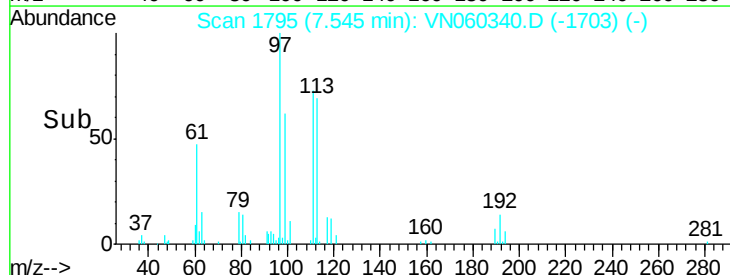
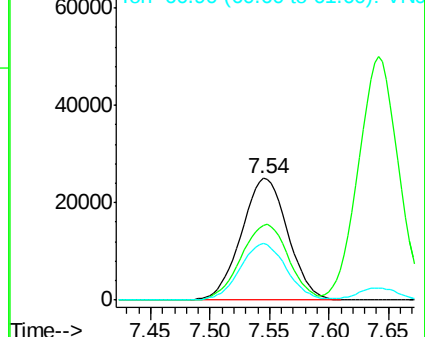
97 100

99 63.6 51.4 77.0

61 46.6 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





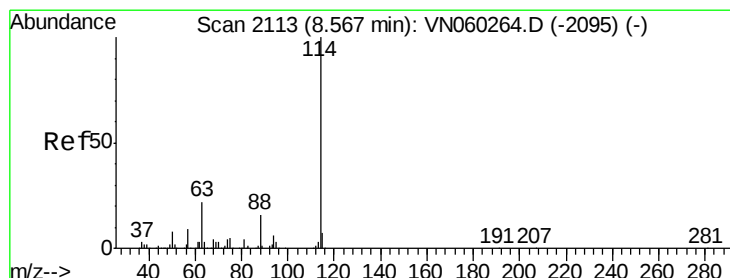
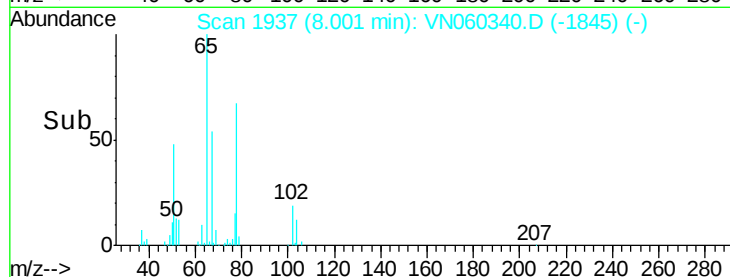
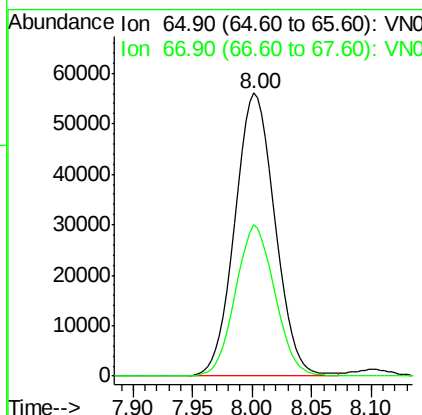
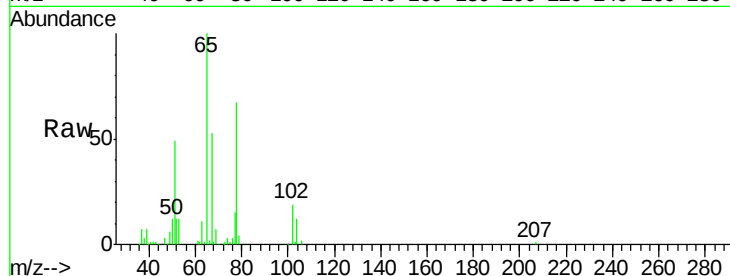
#33
 1,2-Dichloroethane-d4
 Concen: 49.186 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	103.8	

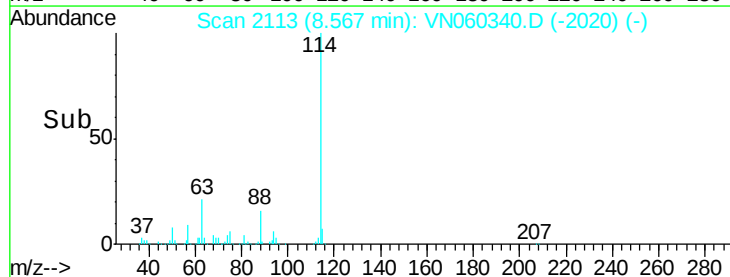
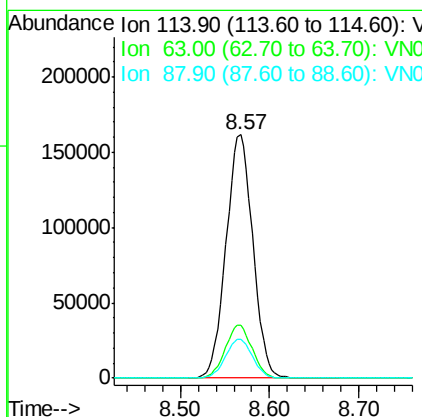
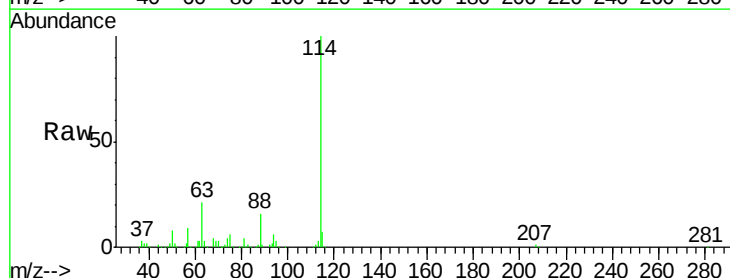
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	43.2	
88	15.7	0.0	31.6	





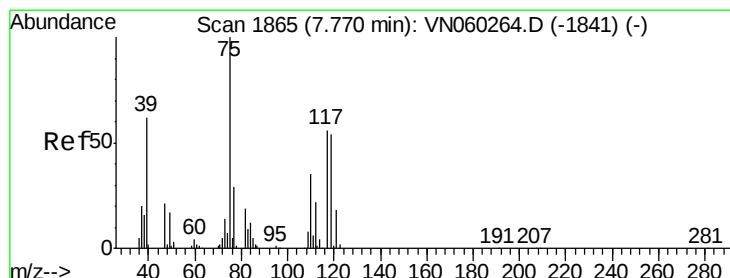
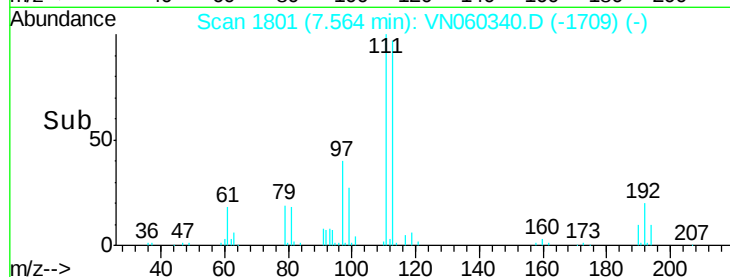
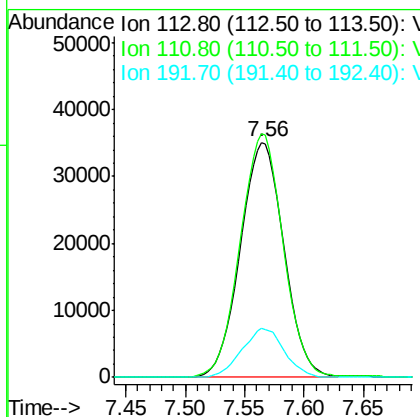
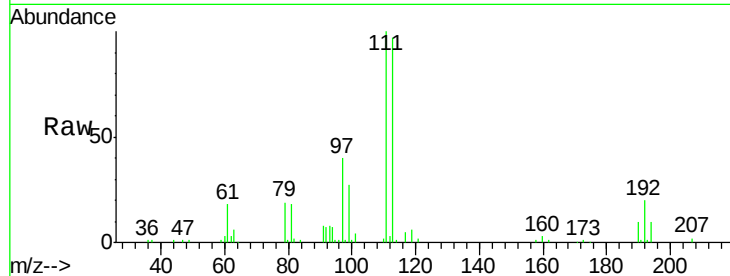
#35
 Dibromofluoromethane
 Concen: 56.911 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	20.2	16.2	24.2

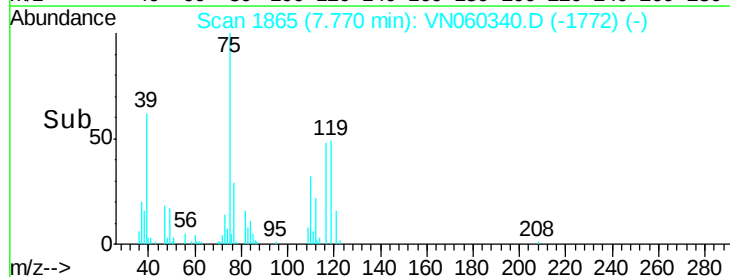
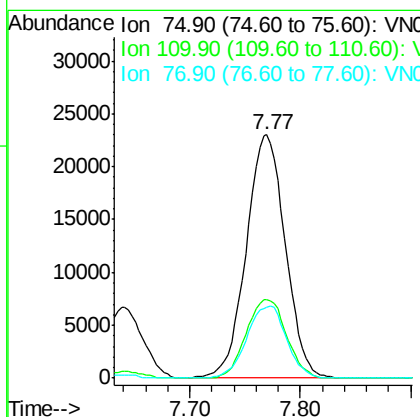
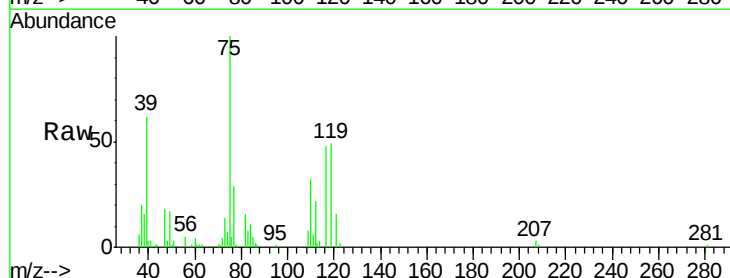
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#36
 1,1-Dichloropropene
 Concen: 17.566 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	17.3	52.0
77	30.1	24.2	36.2





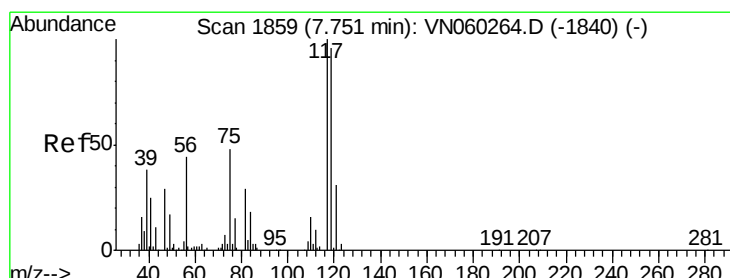
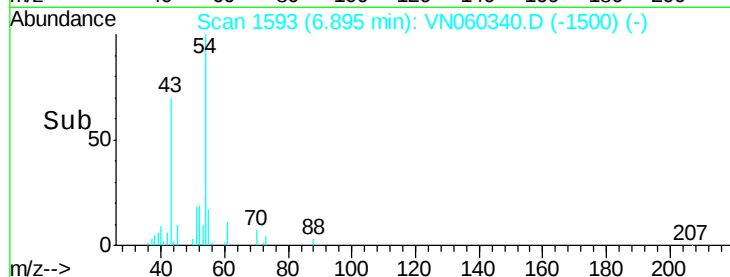
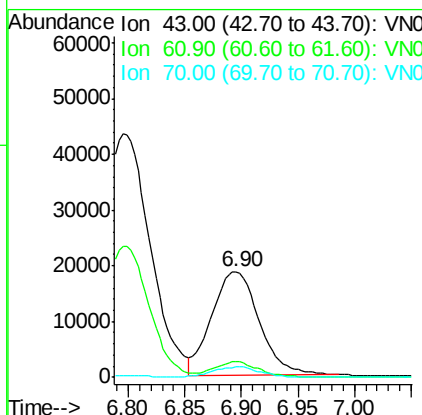
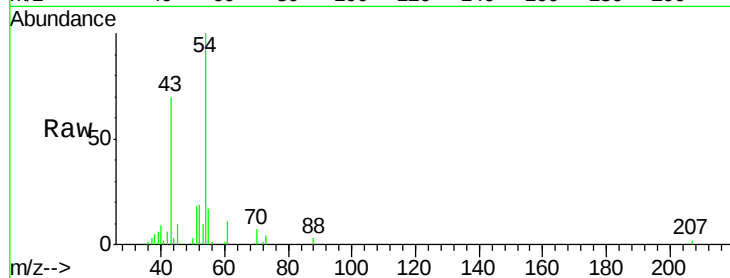
#37
Ethyl Acetate
Concen: 18.200 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	9.7	8.4	12.6

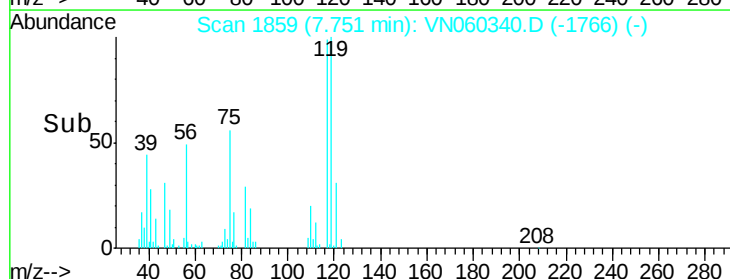
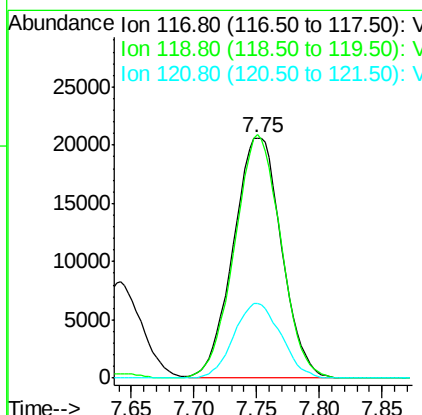
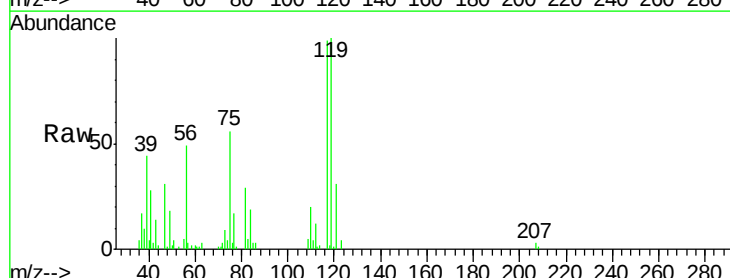
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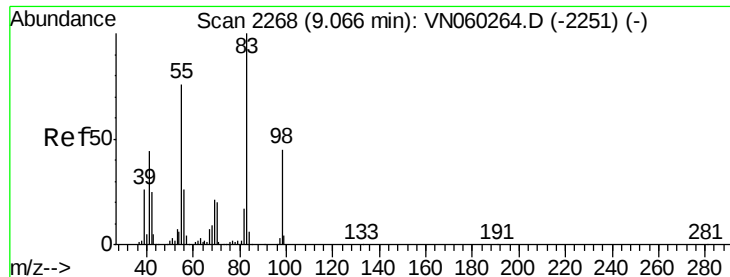
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#38
Carbon Tetrachloride
Concen: 17.642 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.3	76.7	115.1
121	31.1	24.5	36.7





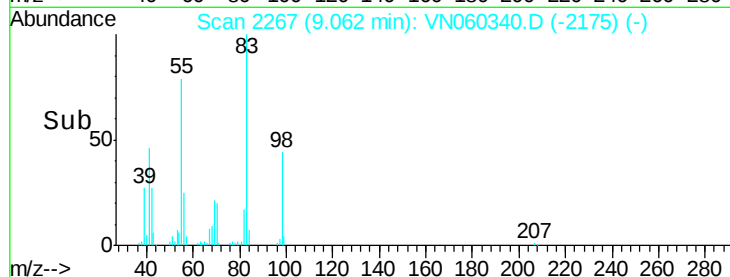
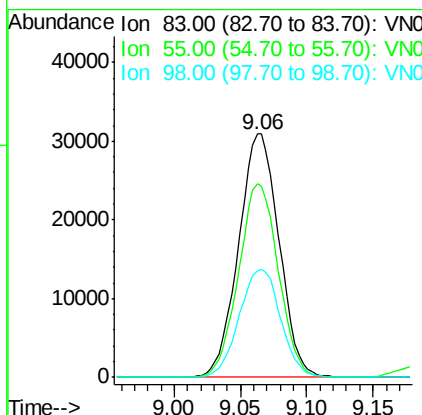
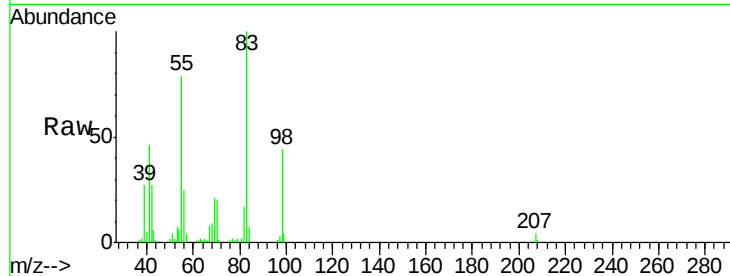
#39
Methvlcvclohexane
Concen: 17.353 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	61.0	91.4
98	43.8	36.1	54.1

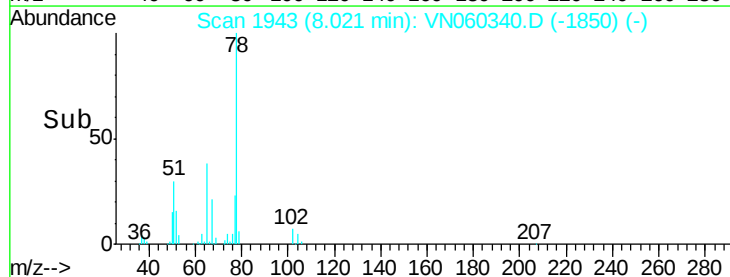
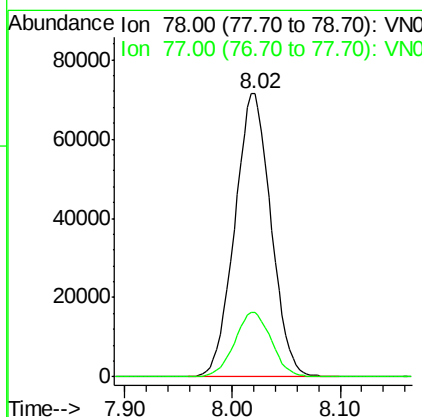
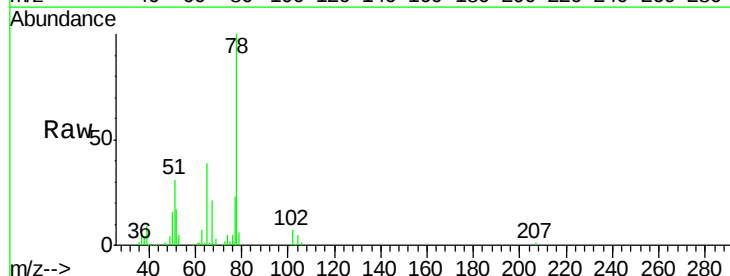
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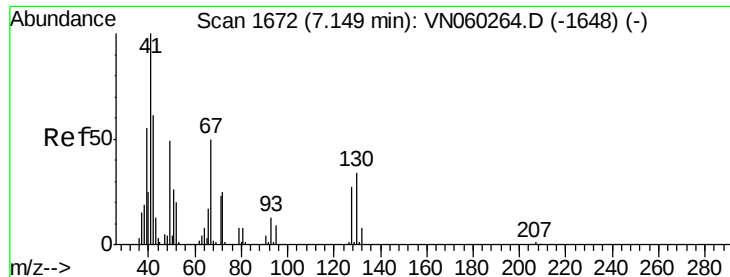
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#40
Benzene
Concen: 17.900 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2





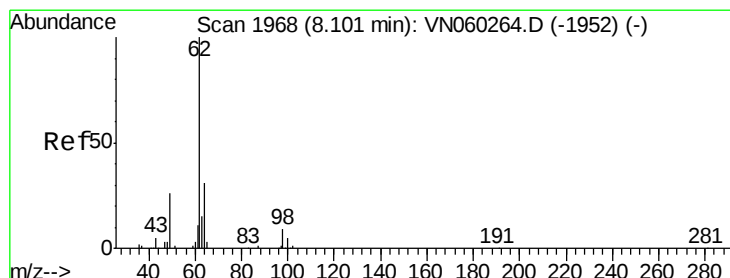
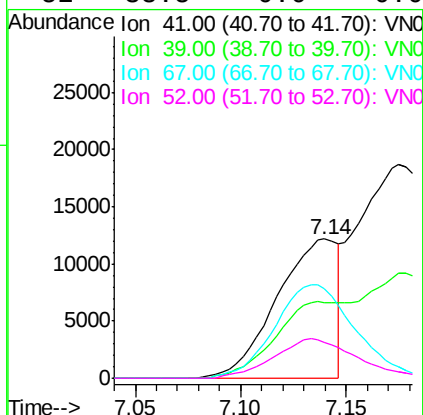
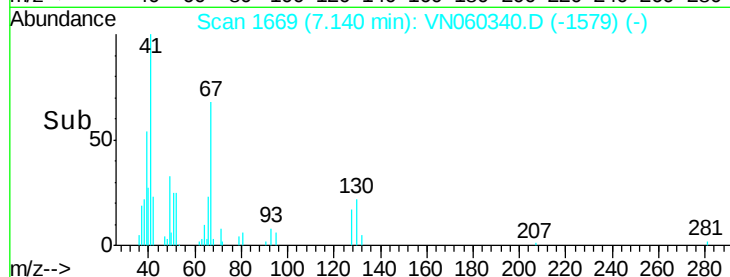
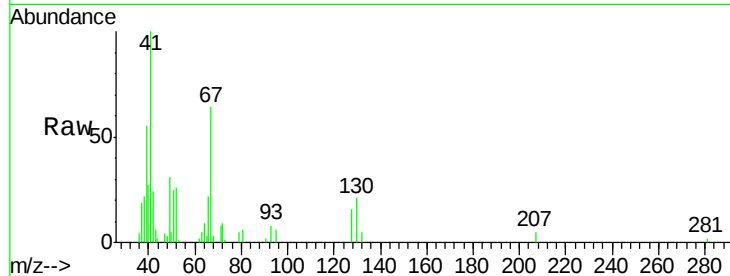
#41
Methacrylonitrile
Concen: 17.451 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	66.2	0.0	0.0#		
67	89.2	0.0	0.0#		
52	38.5	0.0	0.0#		

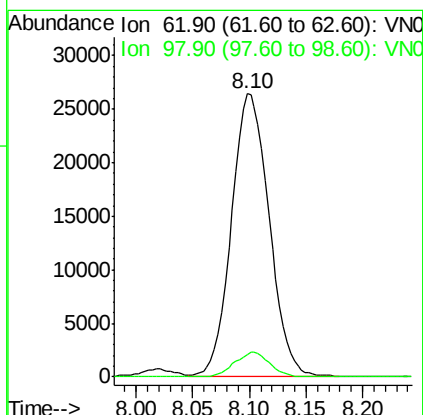
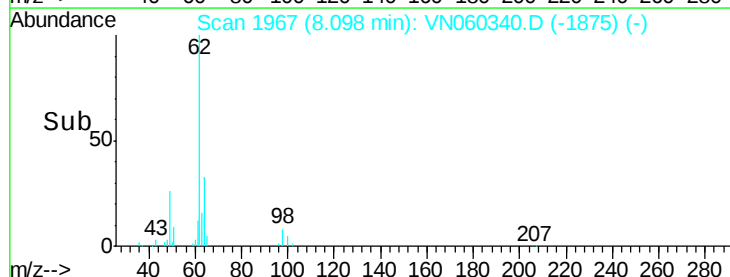
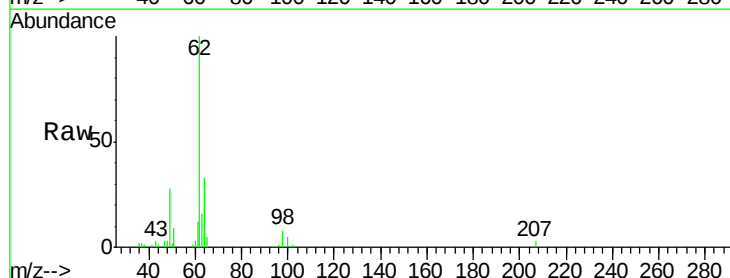
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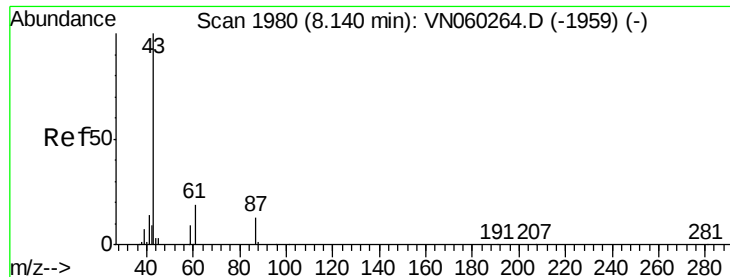
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#42
1,2-Dichloroethane
Concen: 18.259 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.1	0.0	17.0		





#43

Isopropyl Acetate

Concen: 18.559 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

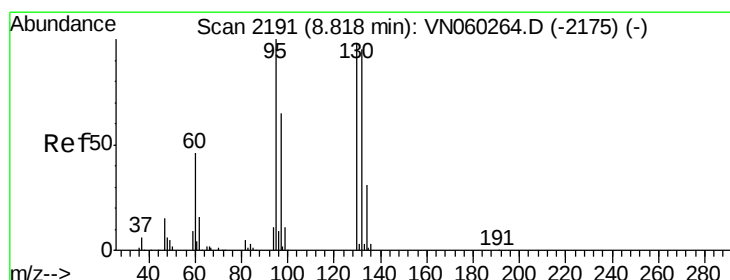
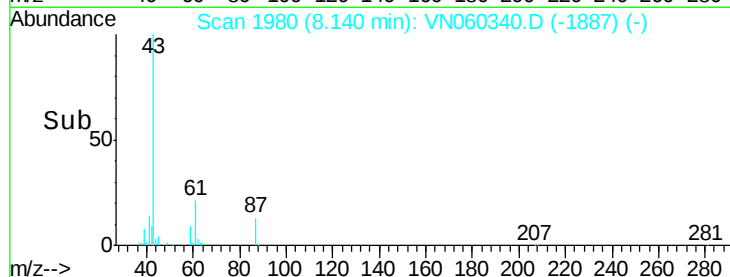
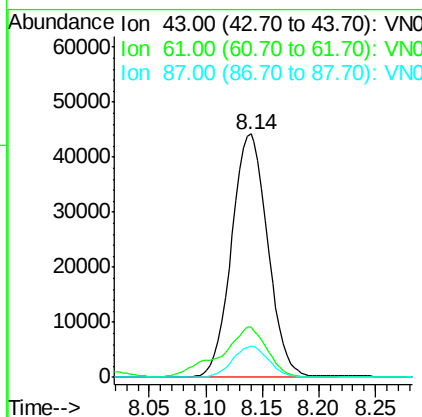
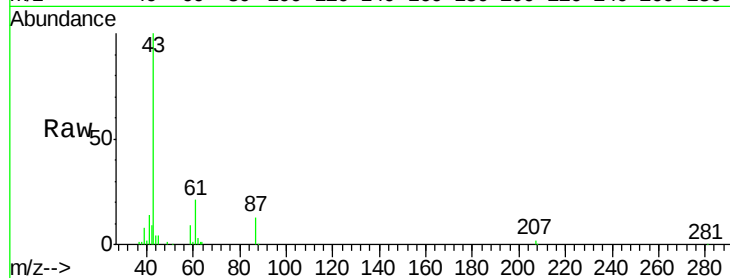
ClientSampleId :

VN0304WBS01

Tot Ion:	43	Resp:	98636
Ion	Ratio	Lower	Upper
43	100		
61	26.4	20.9	31.3
87	12.6	10.6	16.0

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#44

Trichloroethene

Concen: 18.013 ug/l

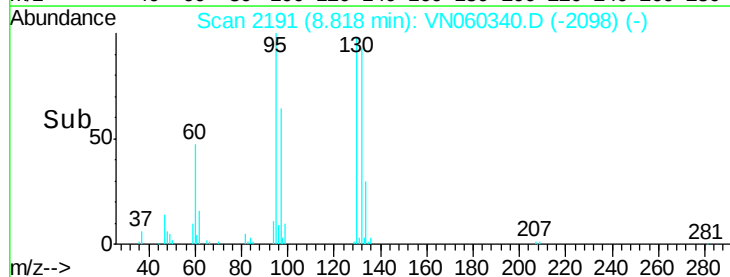
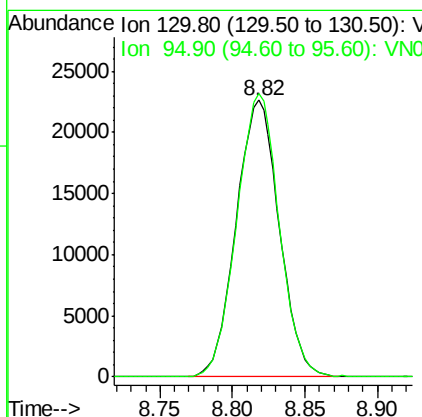
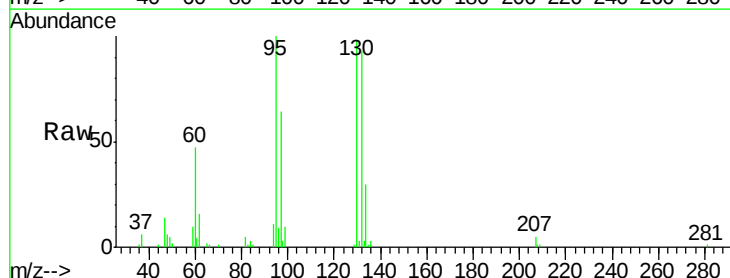
RT: 8.82 min Scan# 2191

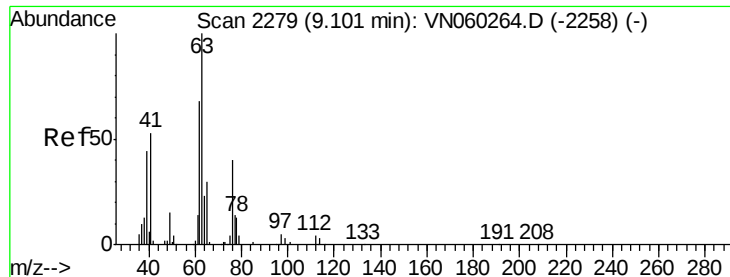
Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:	130	Resp:	46816
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	203.4





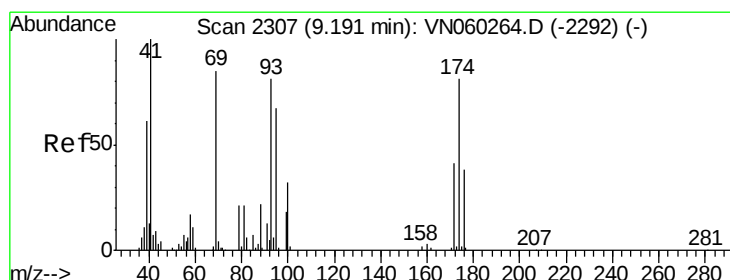
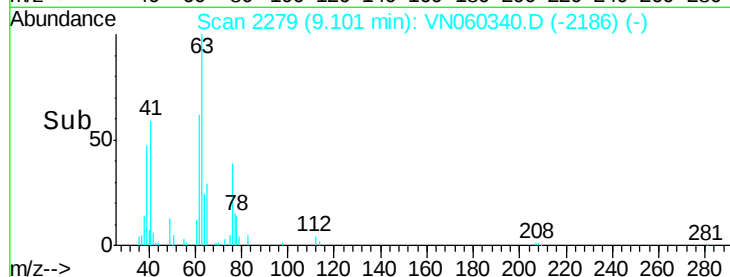
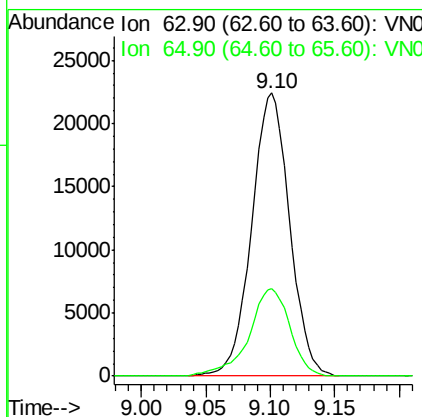
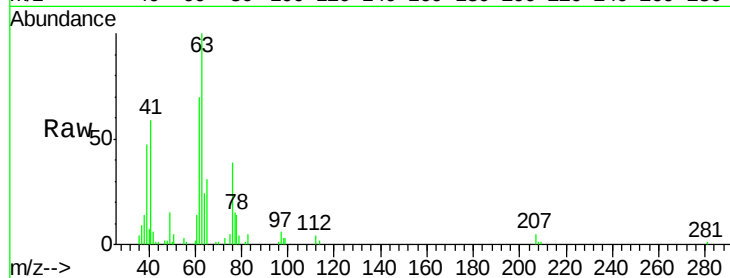
#45
 1,2-Dichloropropane
 Concen: 18.868 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.4	36.6

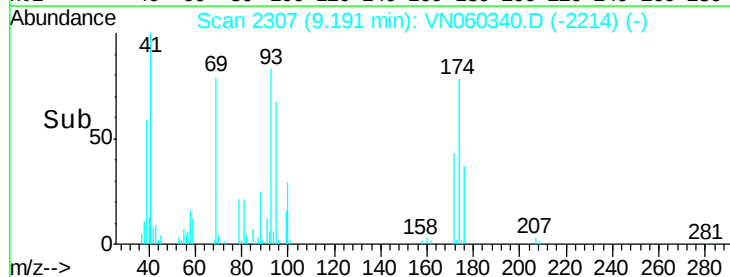
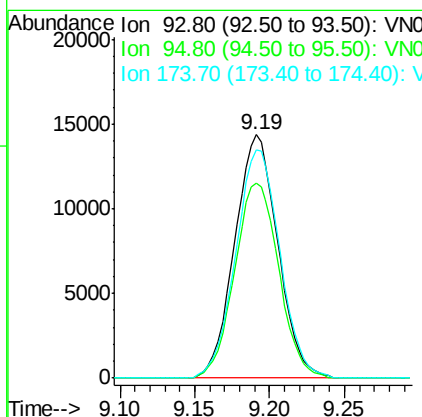
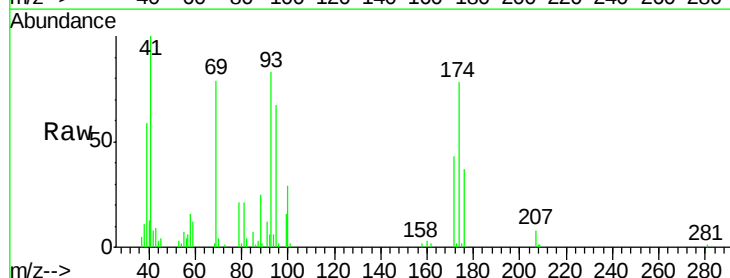
Manual Integrations
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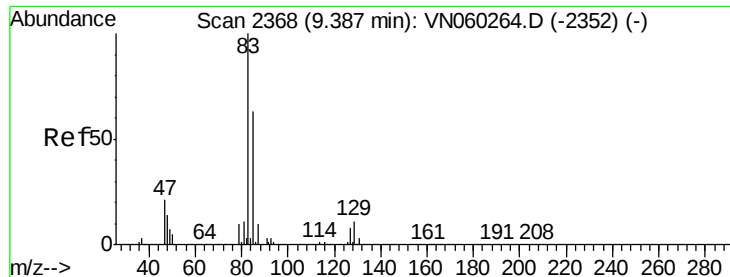
MMDadoda
 3/5/2020 1:46:12 PM



#46
 Dibromomethane
 Concen: 18.212 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.9	98.9
174	95.9	79.6	119.4





#47

Bromodichloromethane

Concen: 18.482 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

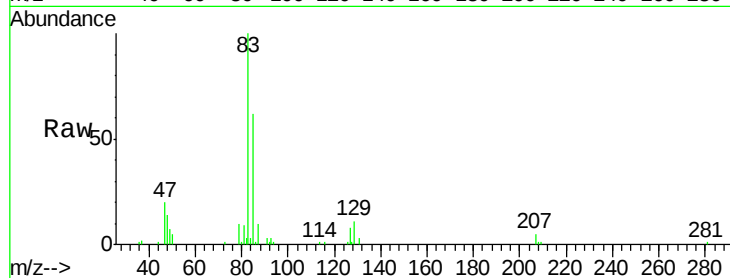
ClientSampleId :

VN0304WBS01

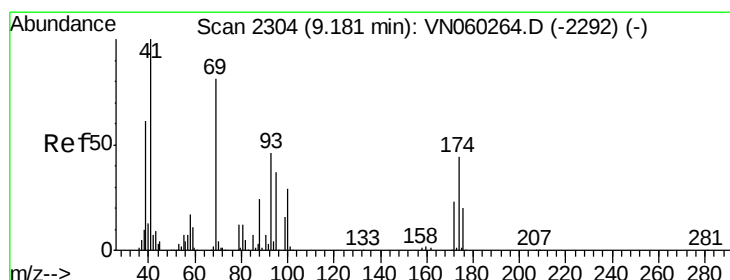
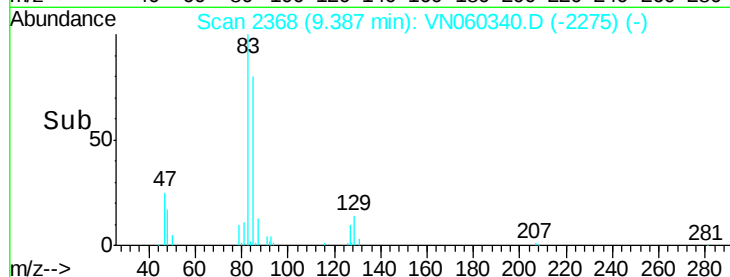
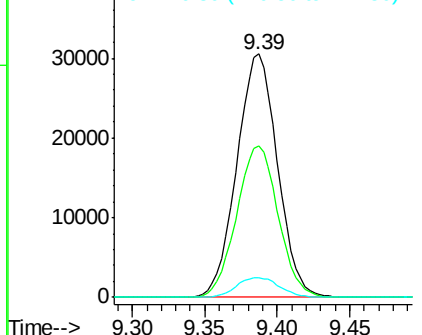
Tot Ion:	83	Resp:	59507
Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.7	76.1
127	7.9	6.8	10.2

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Abundance Ion 82.90 (82.60 to 83.60): VN060340.D (-2275) (-)



#48

Methyl methacrylate

Concen: 17.614 ug/l

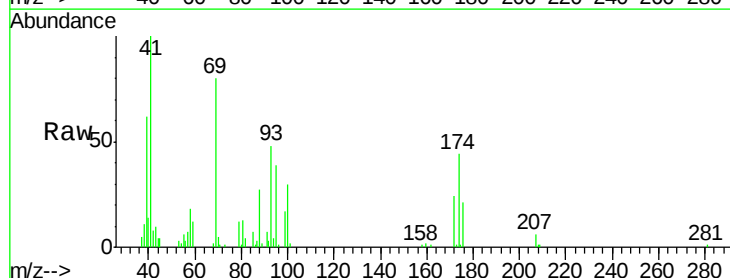
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

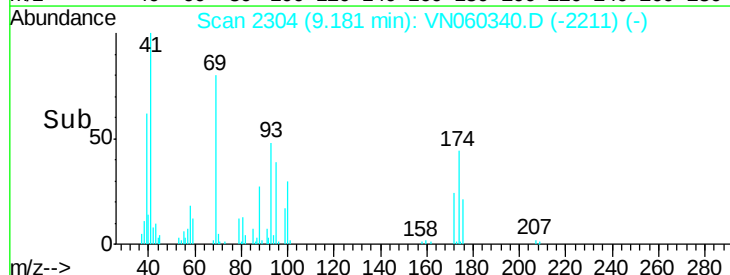
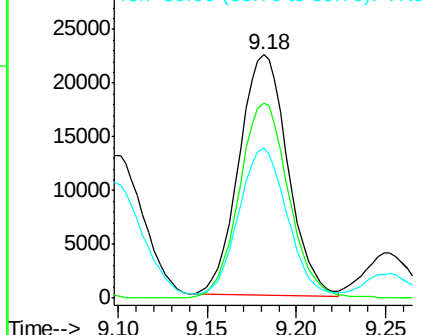
Lab File: VN060340.D

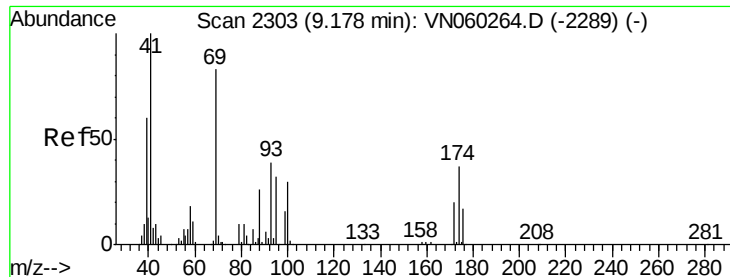
Acq: 4 Mar 2020 11:25

Tgt Ion:	41	Resp:	42690
Ion	Ratio	Lower	Upper
41	100		
69	82.1	66.7	100.1
39	63.2	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060340.D (-2211) (-)





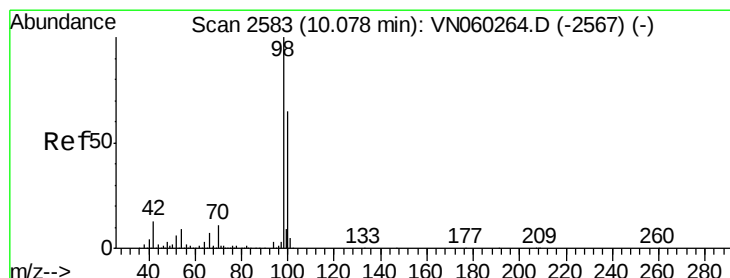
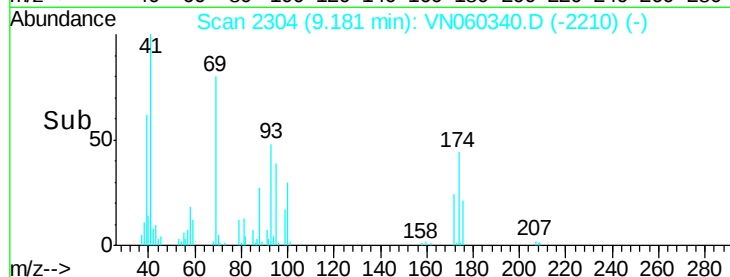
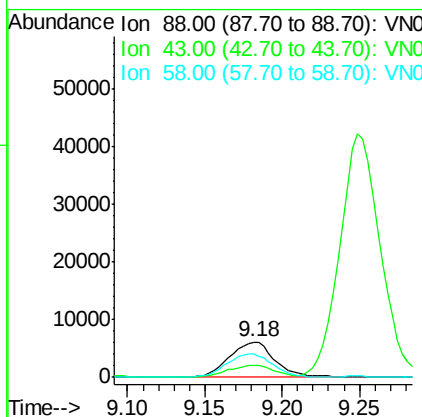
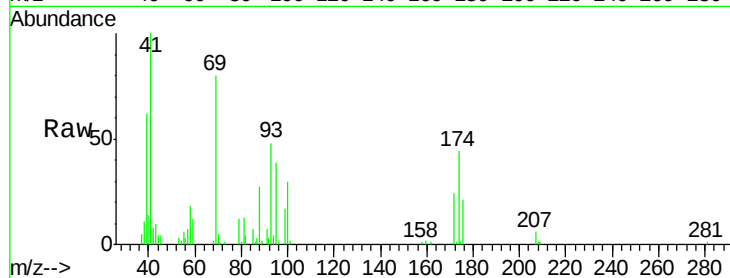
#49
1,4-Dioxane
Concen: 361.887 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	30.4	45.6
58	68.2	57.0	85.6

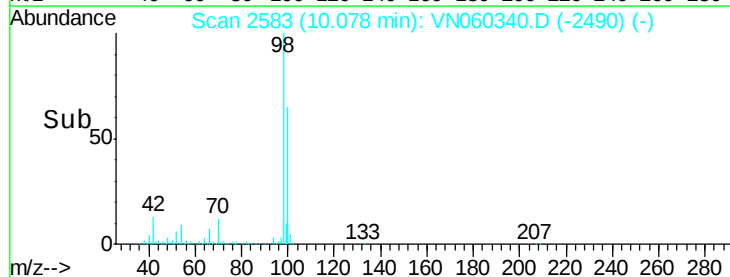
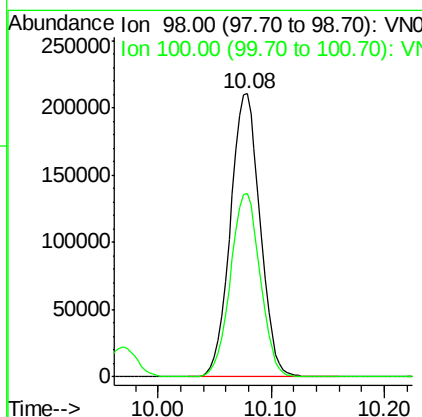
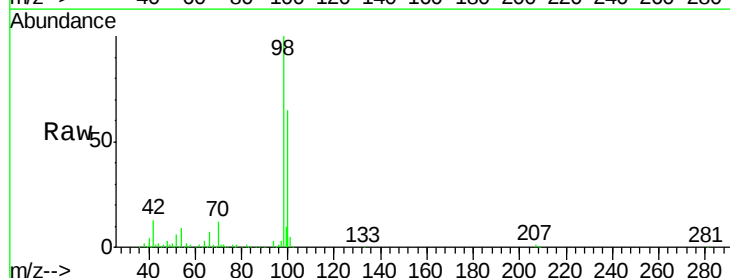
Manual Integrations
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#50
Toluene-d8
Concen: 48.611 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 93.380 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion: 43 Resp: 281389

Ion Ratio Lower Upper

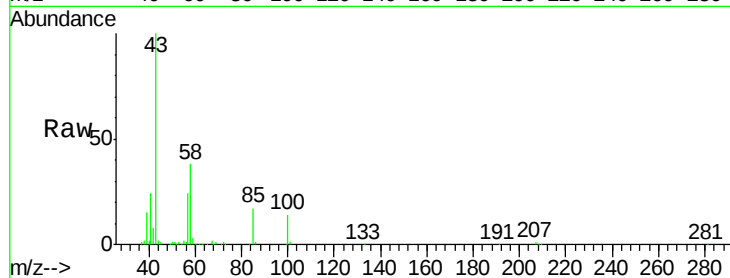
43 100

58 38.3 30.9 46.3

Manual Integrations
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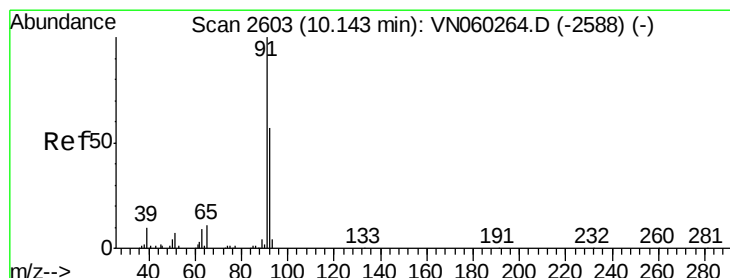
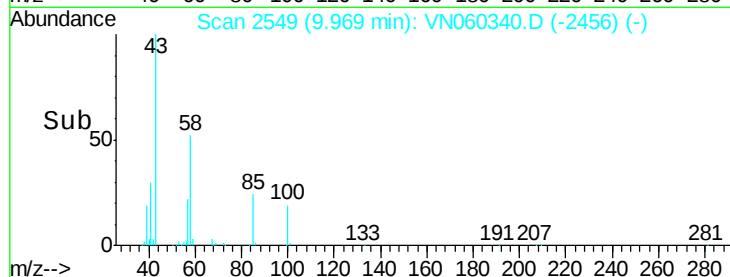
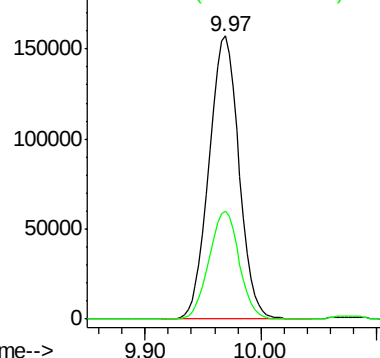
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.950 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060340.D

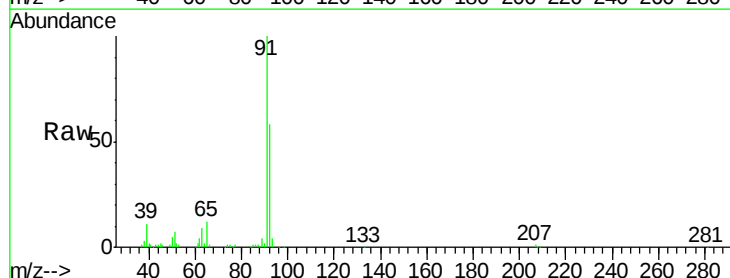
Acq: 4 Mar 2020 11:25

Tgt Ion: 92 Resp: 105223

Ion Ratio Lower Upper

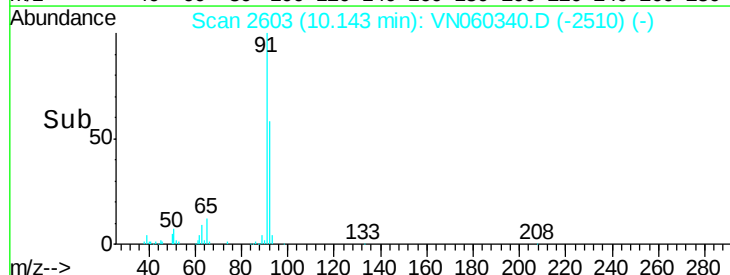
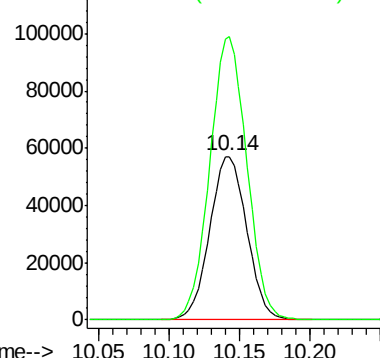
92 100

91 173.0 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.671 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion: 75 Resp: 69718

Ion Ratio Lower Upper

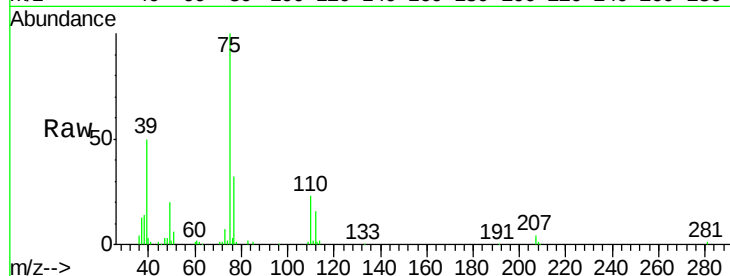
75 100

77 31.2 24.8 37.2

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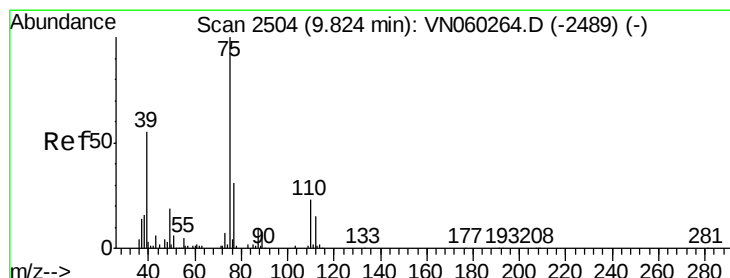
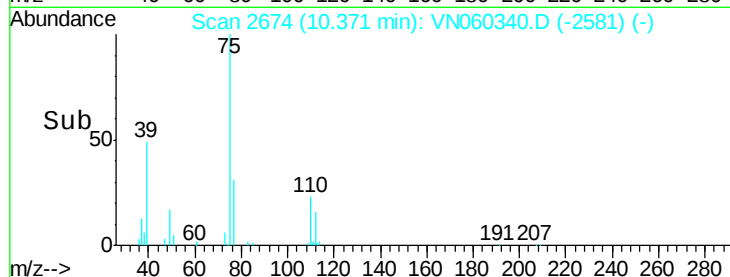
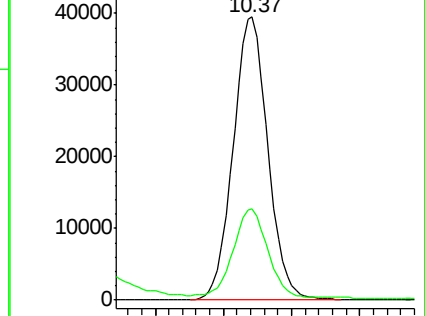
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.015 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

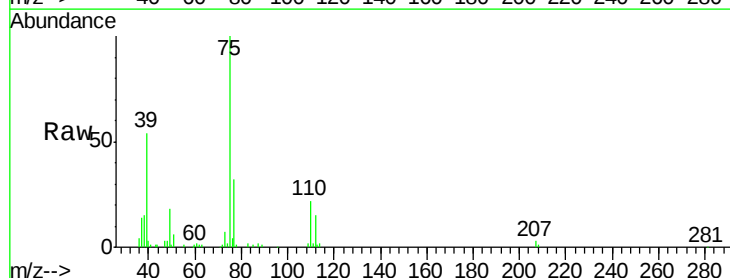
Tgt Ion: 75 Resp: 73650

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

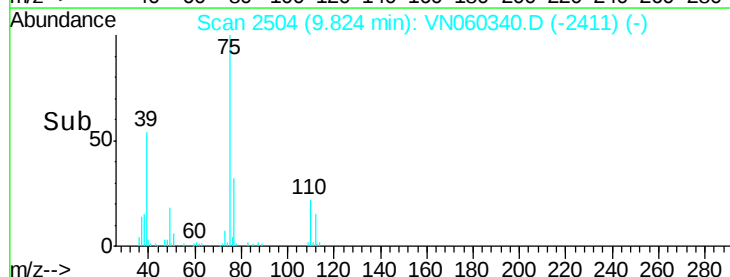
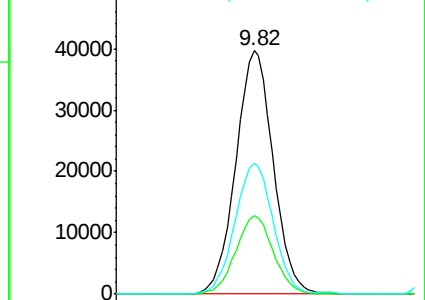
39 53.7 43.8 65.8

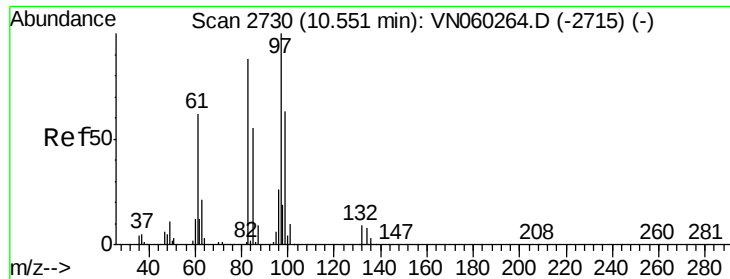


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





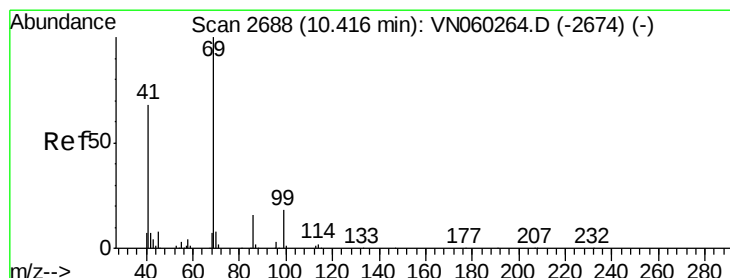
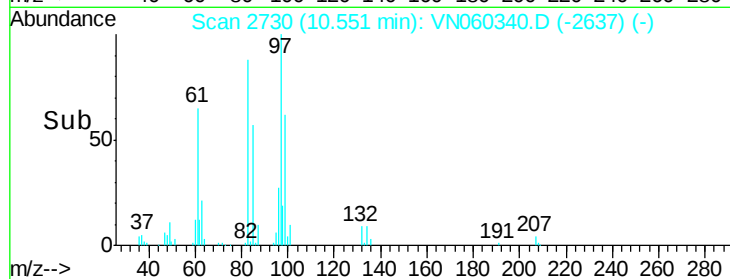
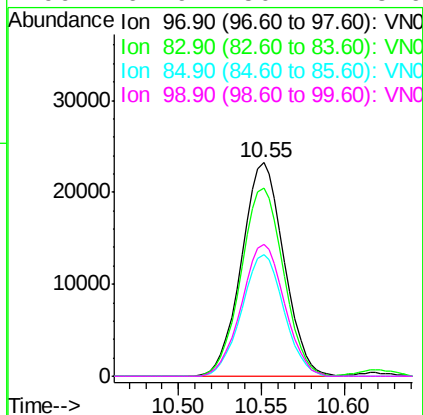
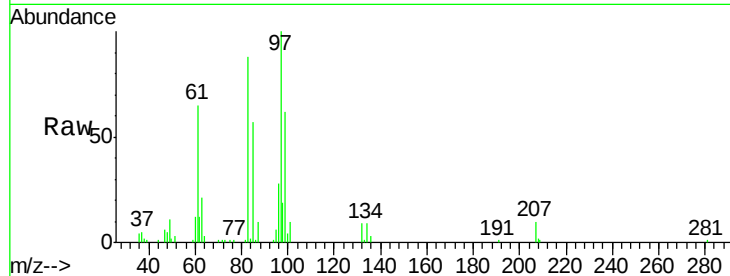
#55
 1,1,2-Trichloroethane
 Concen: 17.578 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.0	105.0
85	56.9	44.0	66.0
99	61.9	50.4	75.6

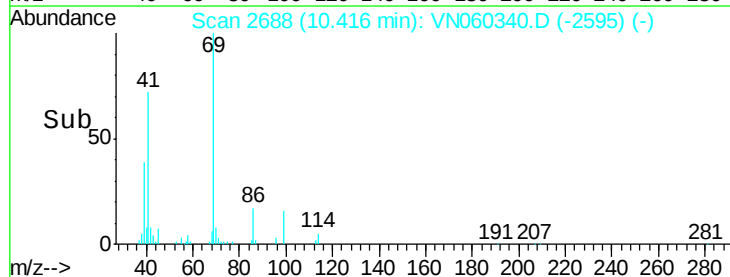
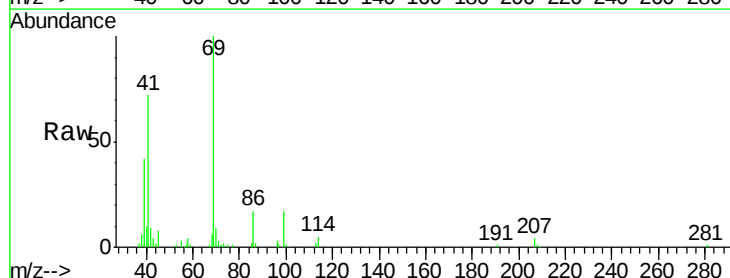
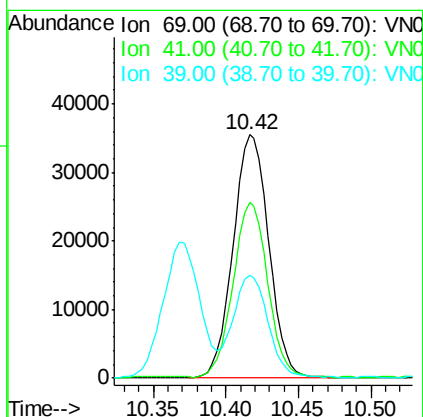
Manual Integrations
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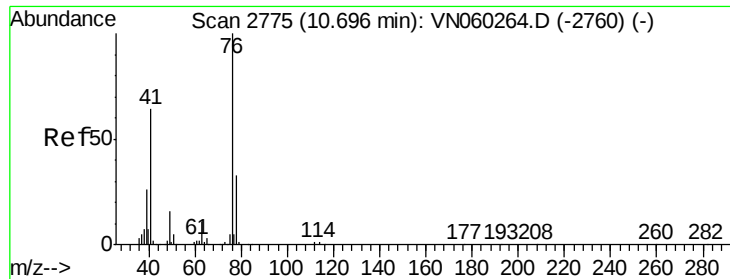
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 3/5/2020 1:46:12 PM



#56
 Ethyl methacrylate
 Concen: 17.914 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.6	54.1	81.1
39	42.1	32.5	48.7





#57

1,3-Dichloropropane

Concen: 18.570 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

Tot Ion: 76 Resp: 71388

Ion Ratio Lower Upper

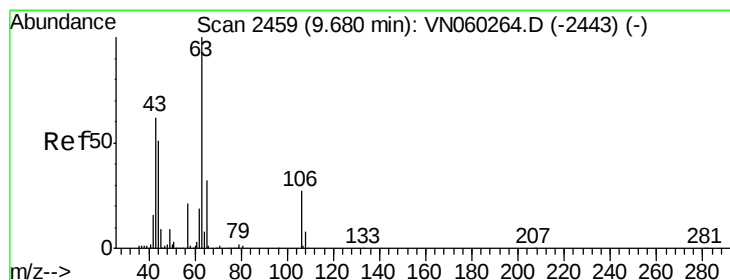
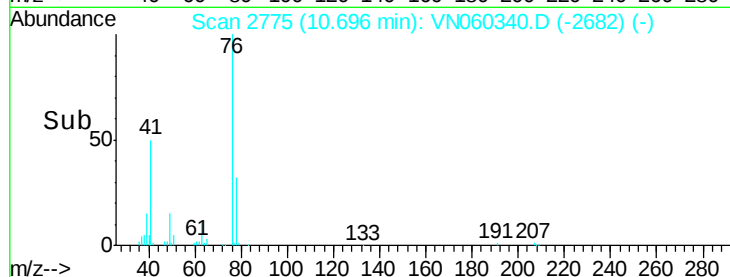
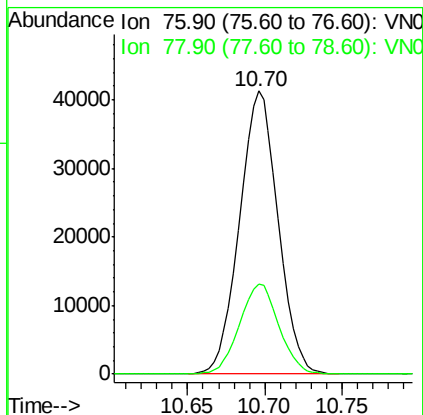
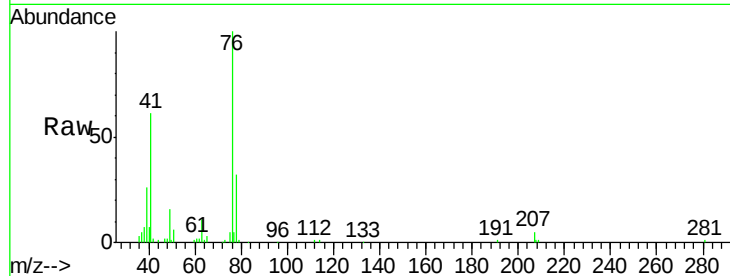
76 100

78 32.5 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 91.041 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060340.D

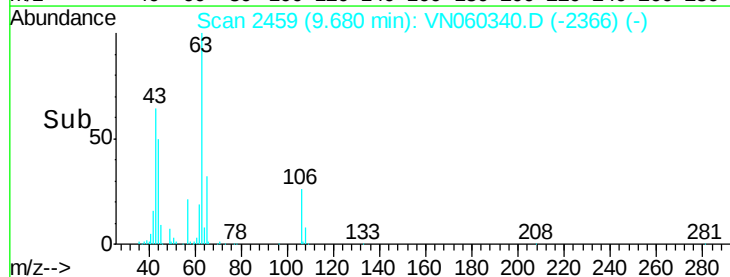
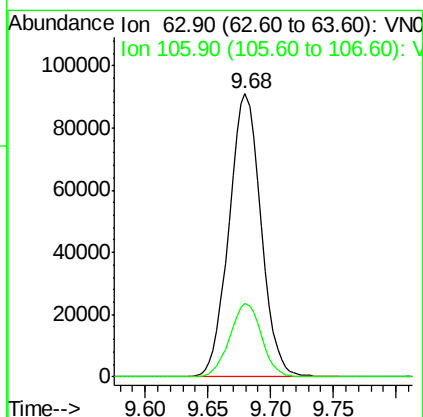
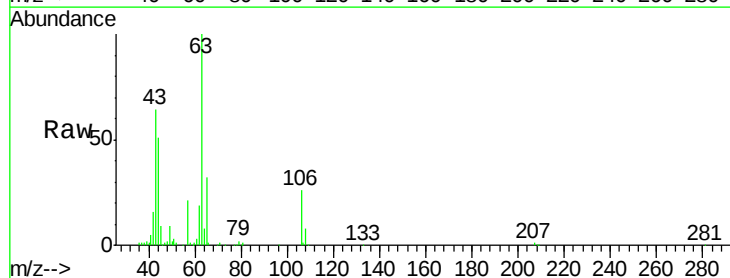
Acq: 4 Mar 2020 11:25

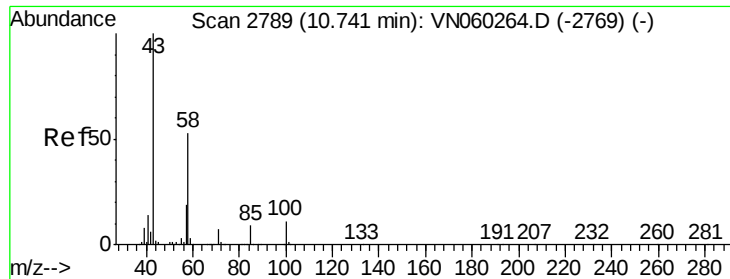
Tgt Ion: 63 Resp: 161256

Ion Ratio Lower Upper

63 100

106 25.8 21.1 31.7





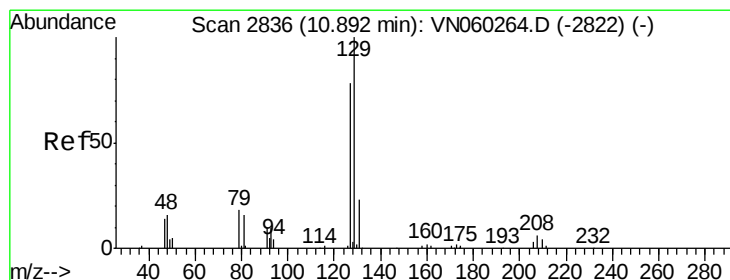
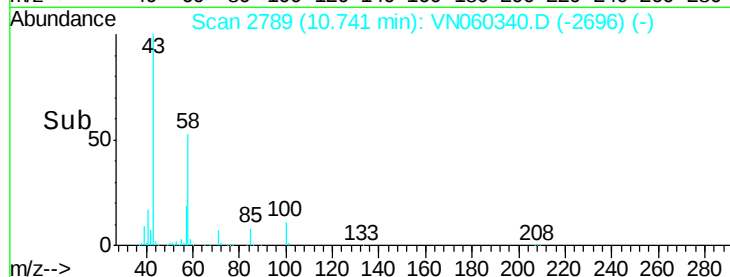
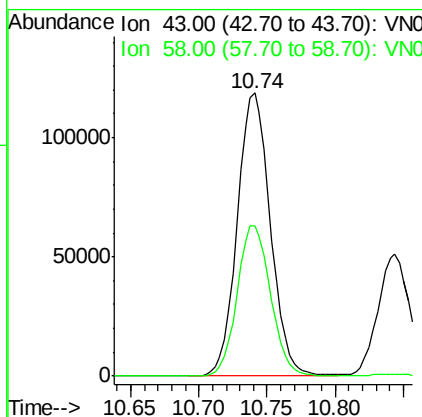
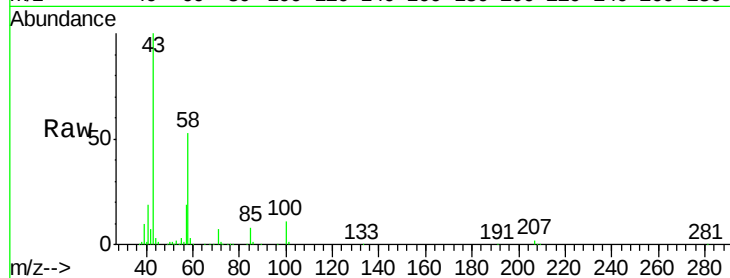
#59
2-Hexanone
Concen: 90.430 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	26.5	79.5

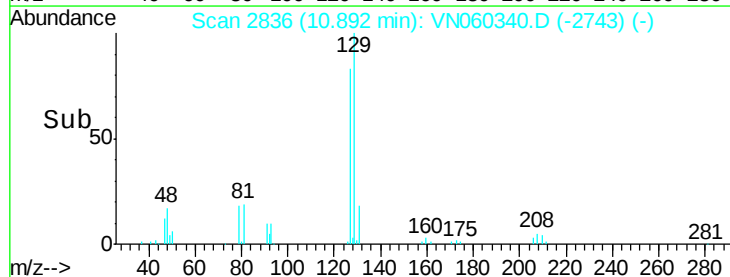
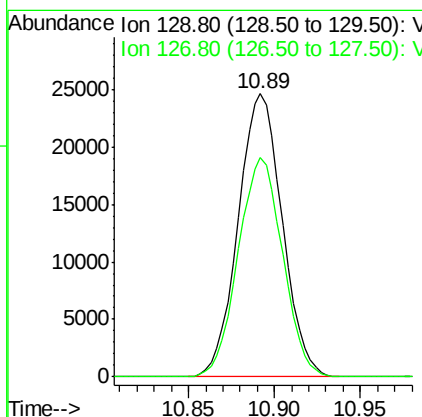
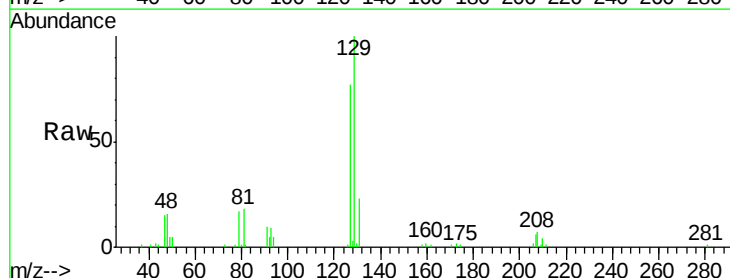
Manual Integrations
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3/5/2020 1:46:12 PM



#60
Dibromochloromethane
Concen: 18.271 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.9	116.7





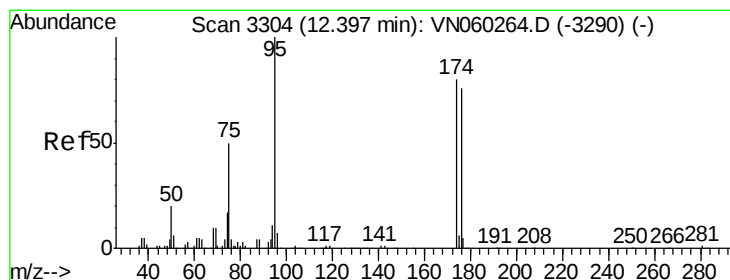
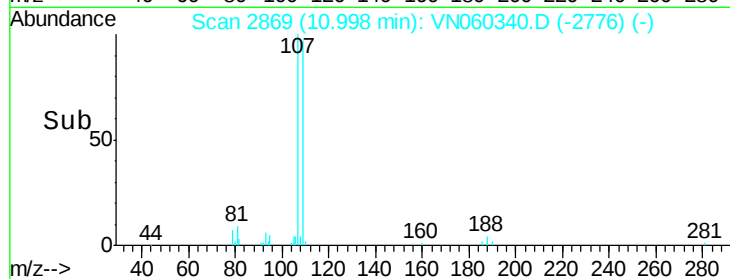
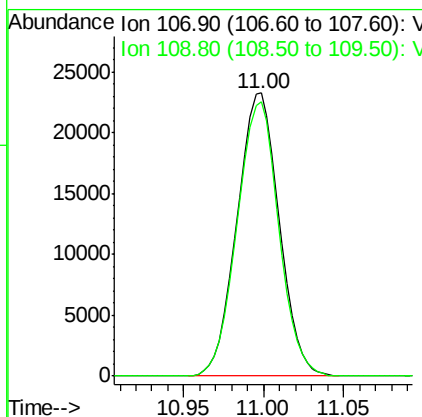
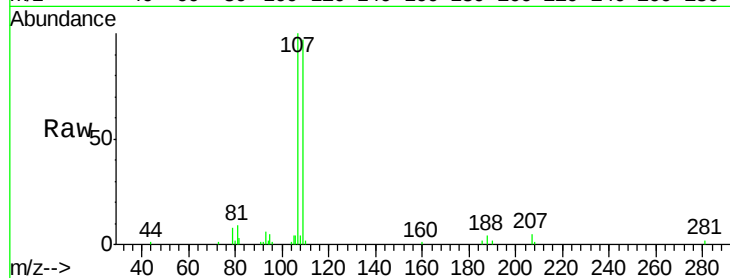
#61
 1,2-Dibromoethane
 Concen: 18.164 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	76.8	115.2

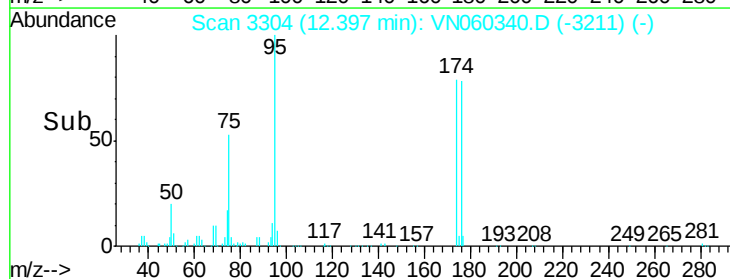
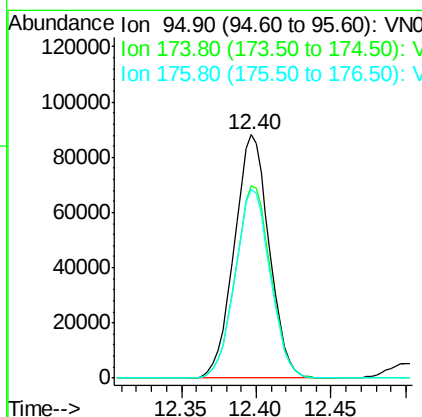
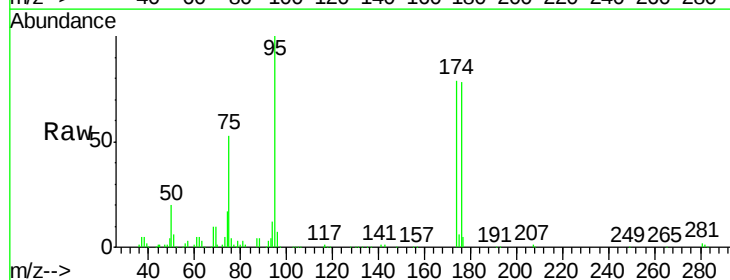
Manual Integrations
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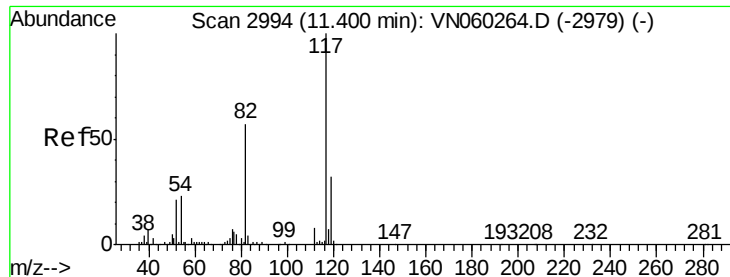
MMDadoda
 3/5/2020 1:46:12 PM



#62
 4-Bromofluorobenzene
 Concen: 47.813 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	159.2
176	77.8	0.0	153.8





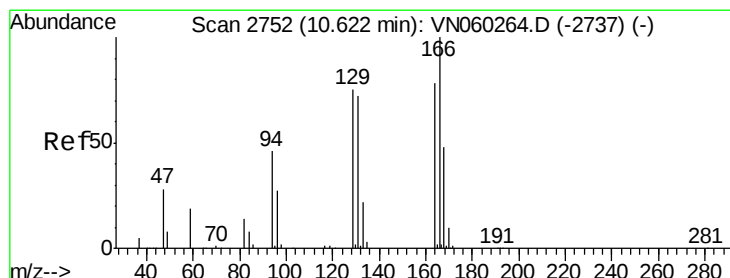
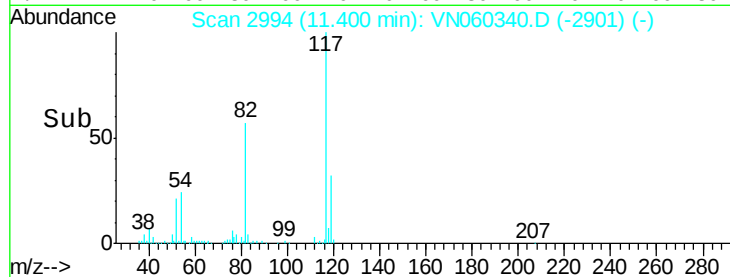
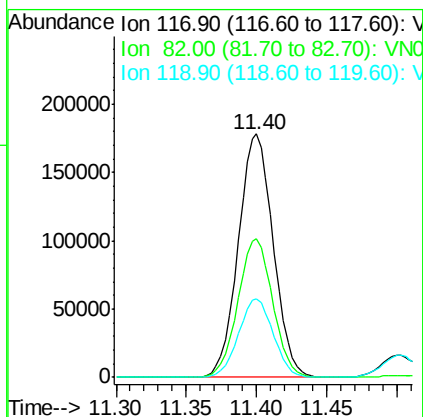
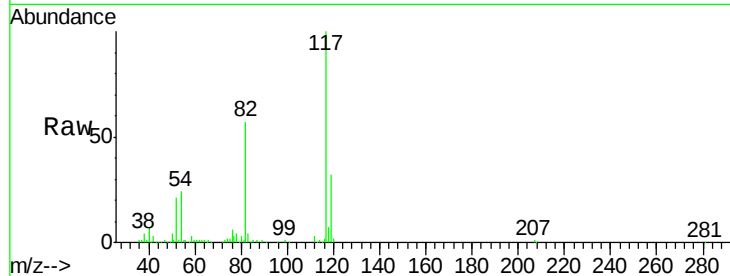
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	308750		
82	56.8		45.8	68.6
119	32.3		25.8	38.8

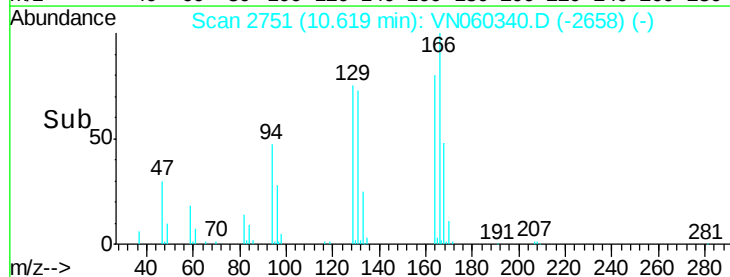
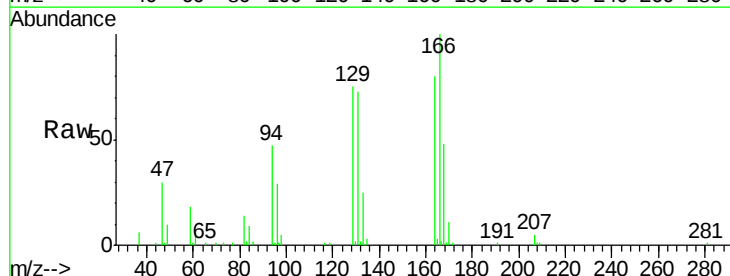
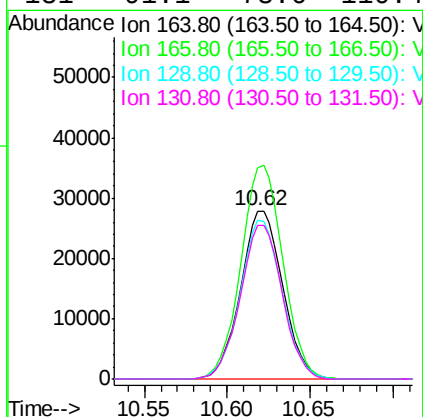
Manual Integrations
APPROVED

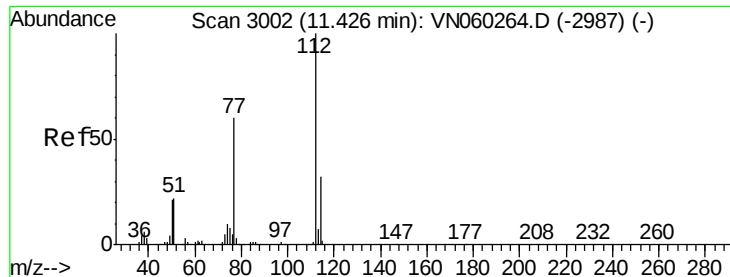
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#64
Tetrachloroethene
Concen: 19.379 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49215		
166	125.7		102.0	153.0
129	94.5		76.4	114.6
131	91.1		73.6	110.4





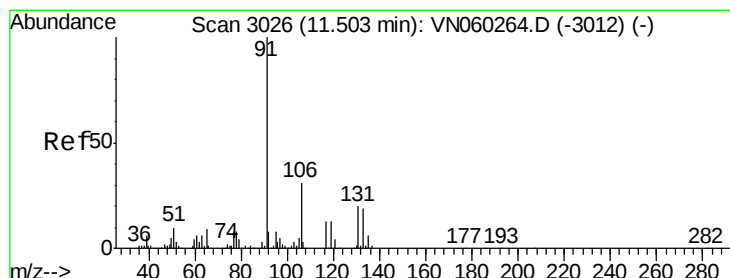
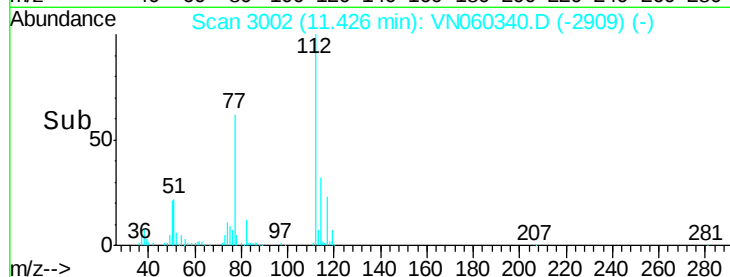
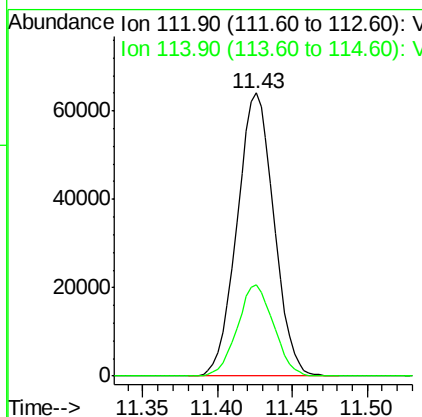
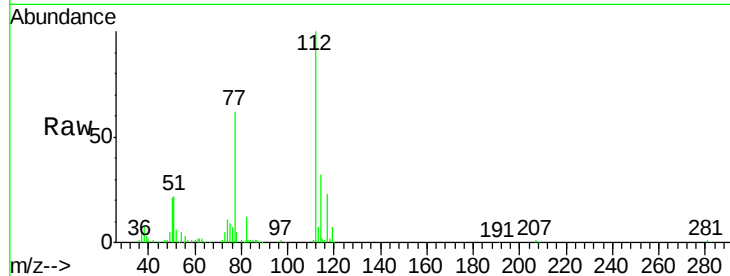
#65
Chlorobenzene
Concen: 17.624 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0

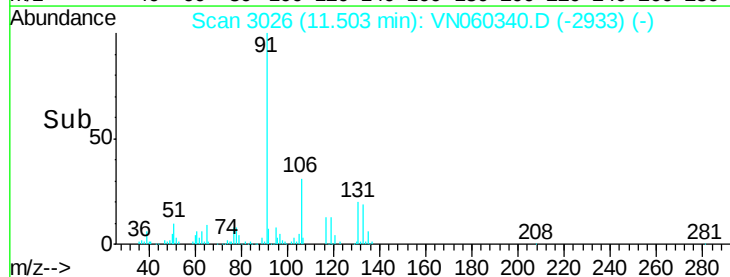
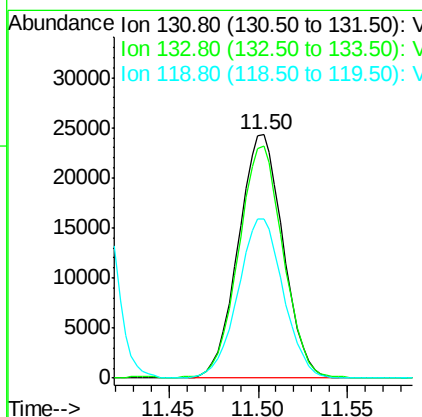
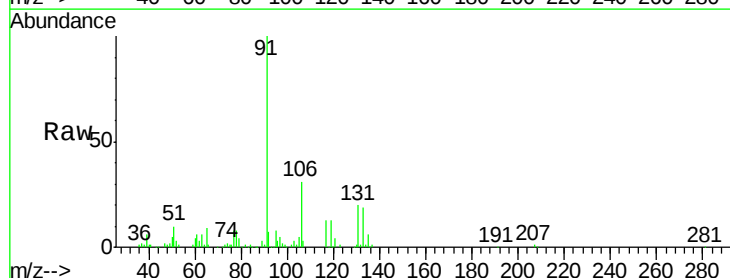
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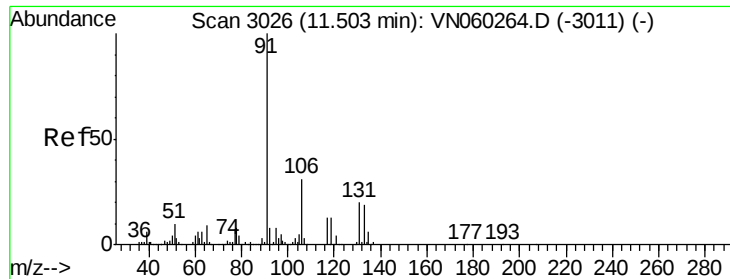
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.455 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	66.4	33.2	99.6





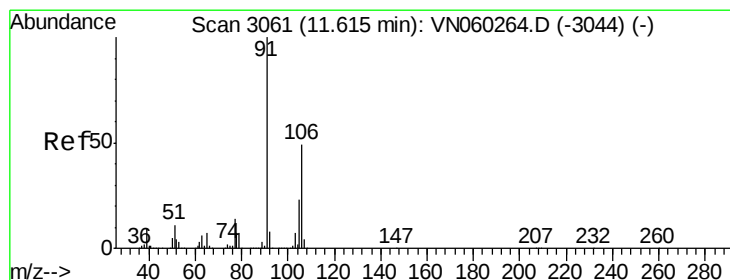
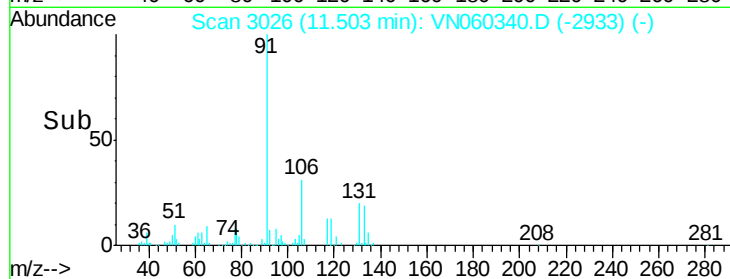
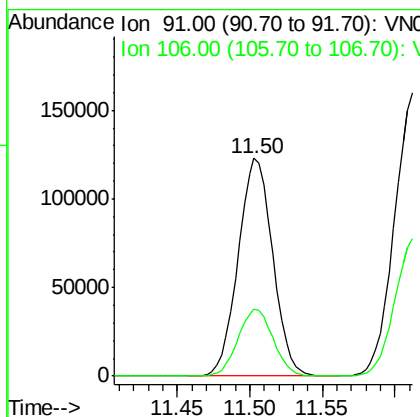
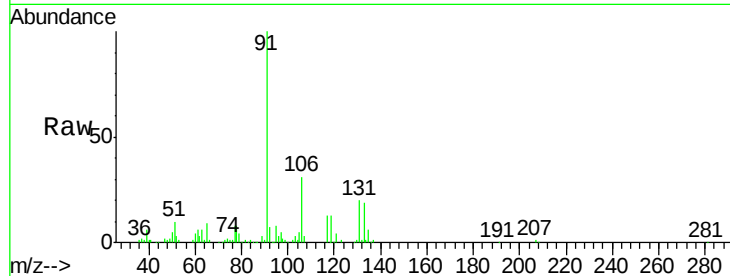
#67
Ethyl Benzene
Concen: 17.903 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion: 91 Resp: 203256
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1

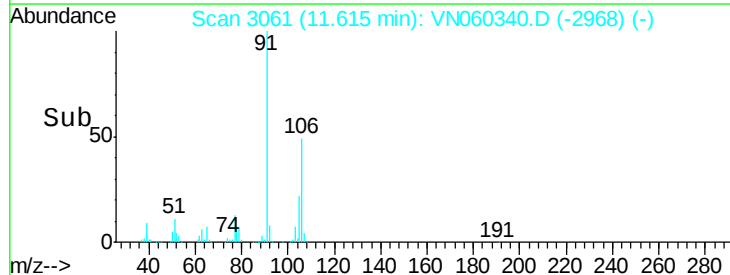
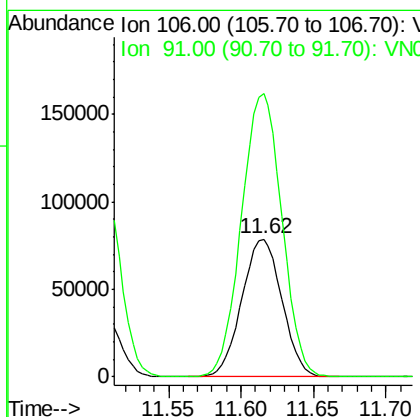
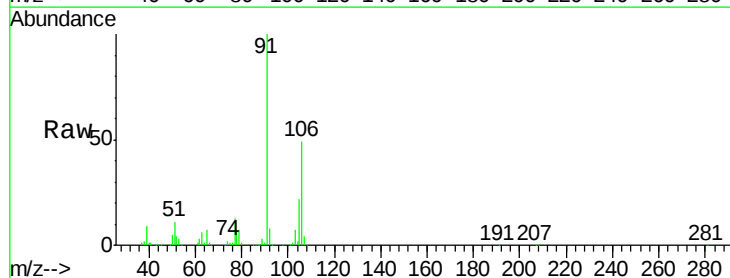
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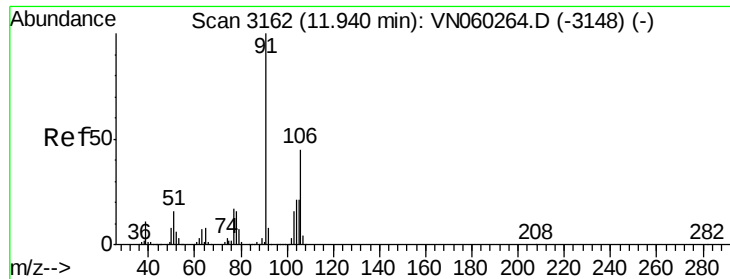
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#68
m/p-Xylenes
Concen: 35.374 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion: 106 Resp: 151525
Ion Ratio Lower Upper
106 100
91 207.2 164.5 246.7





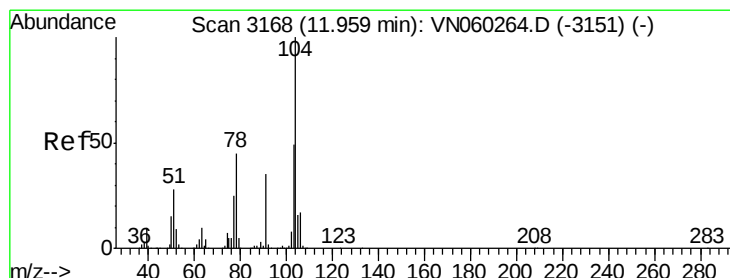
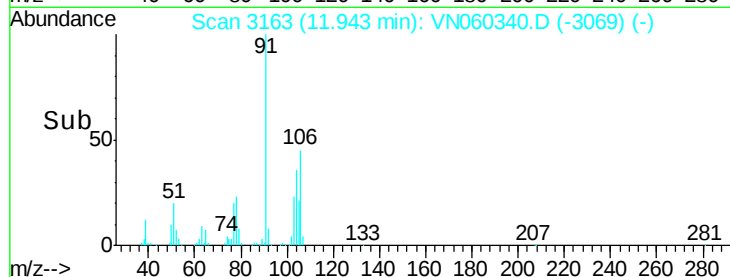
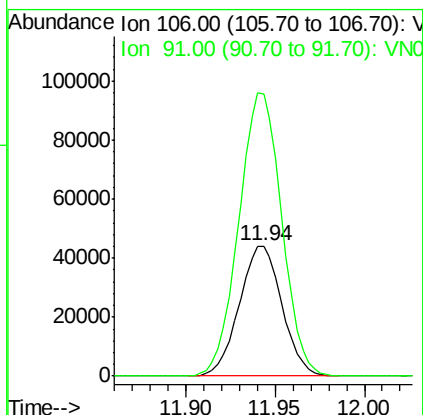
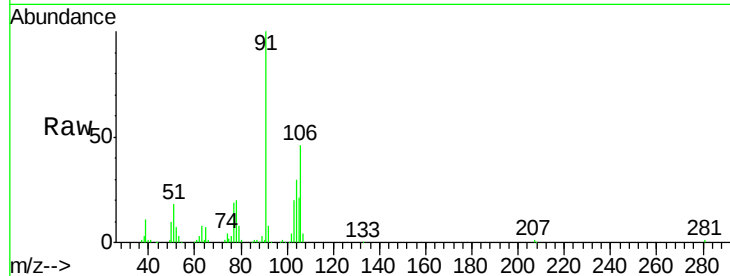
#69
o-Xylene
Concen: 17.946 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampled :
VN0304WBS01

Tot Ion:106 Resp: 73303
Ion Ratio Lower Upper
106 100
91 219.3 109.5 328.4

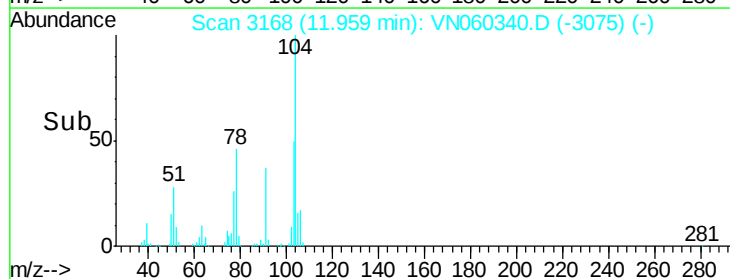
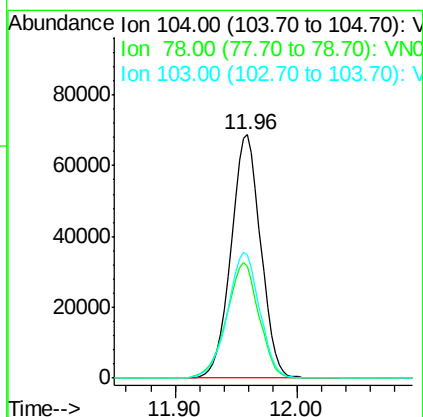
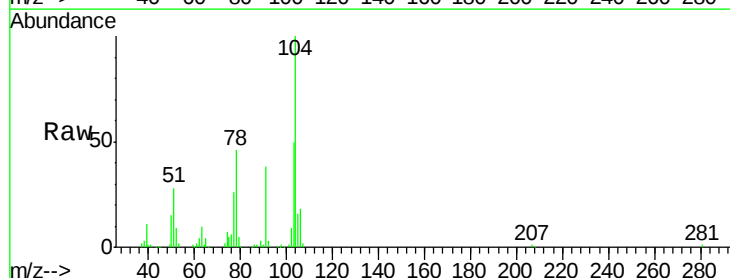
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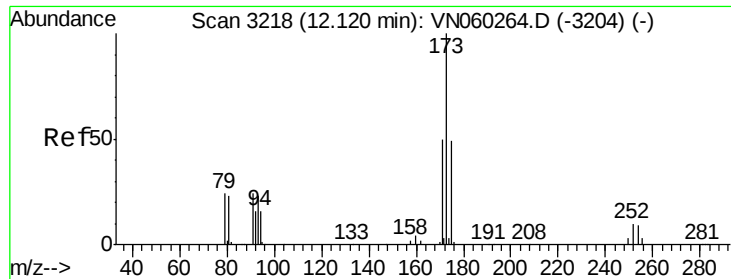
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#70
Styrene
Concen: 17.323 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion:104 Resp: 116340
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 56.2 43.9 65.9





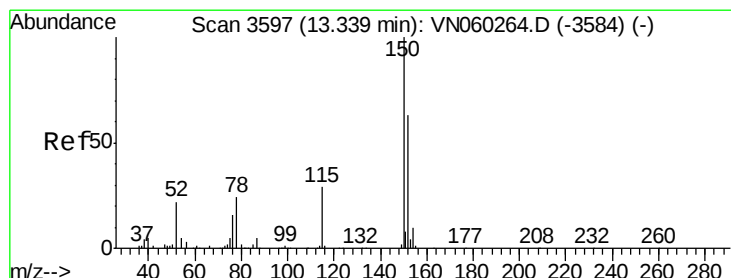
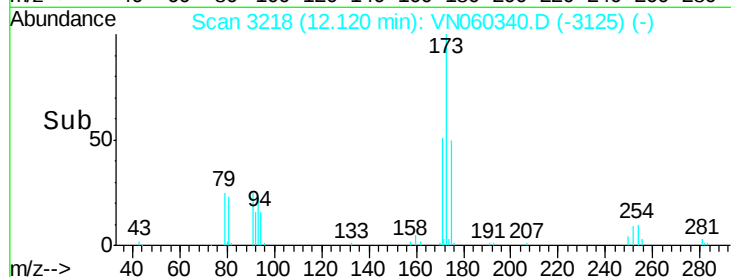
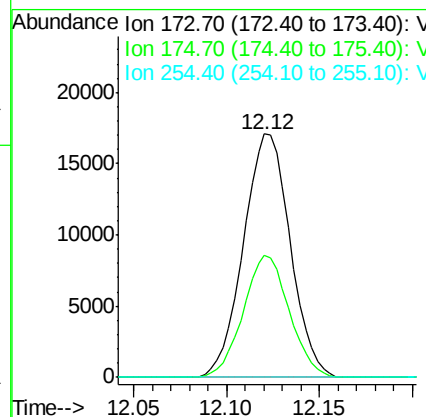
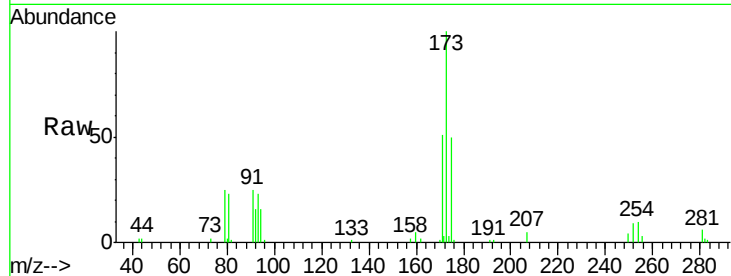
#71
Bromoform
Concen: 18.076 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.2
254	0.0	0.0	0.0

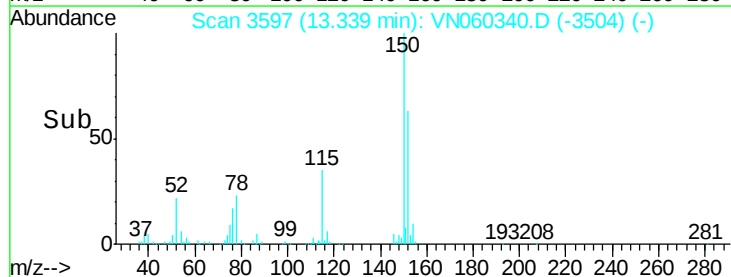
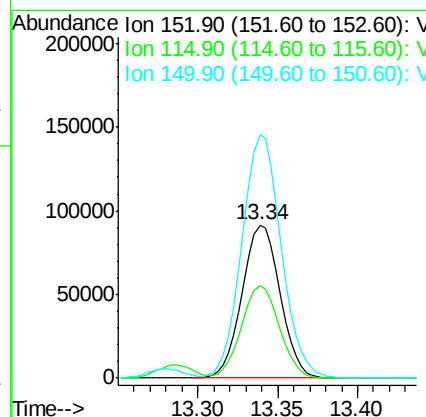
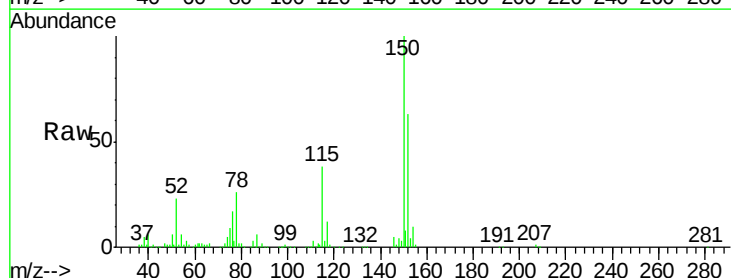
Manual Integrations
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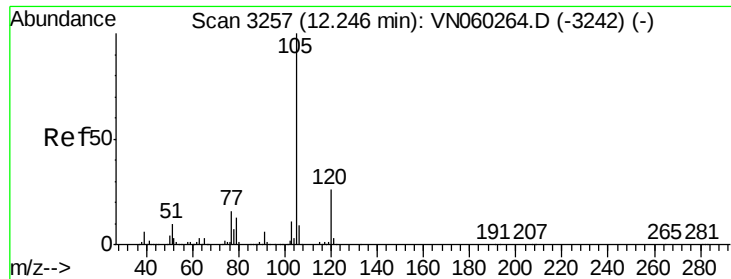
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.0	90.0
150	164.4	0.0	349.6





#73

Isopropylbenzene

Concen: 18.205 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0304WBS01

Tot Ion: 105 Resp: 199731

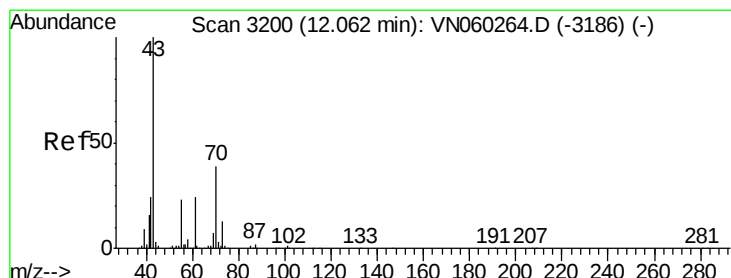
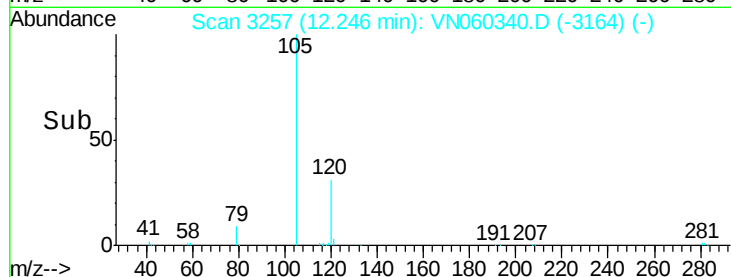
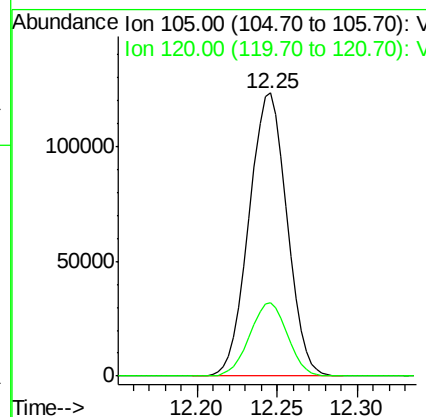
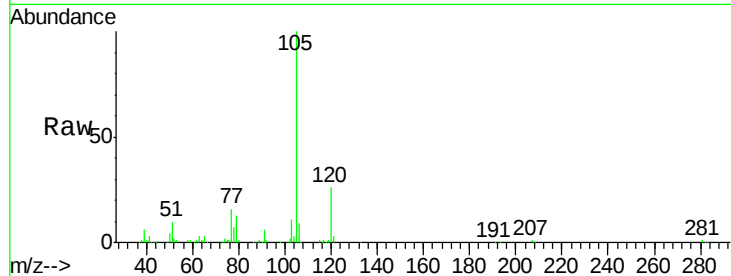
Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9

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#74

N-ethyl acetate

Concen: 17.495 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion: 43 Resp: 83876

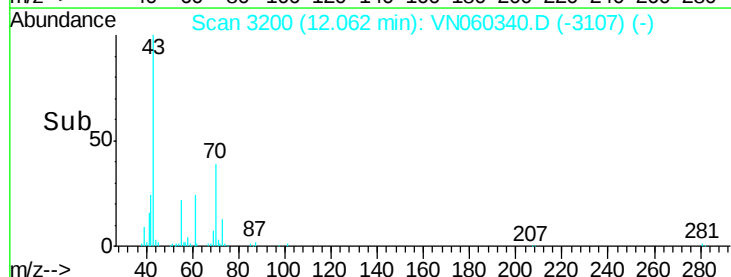
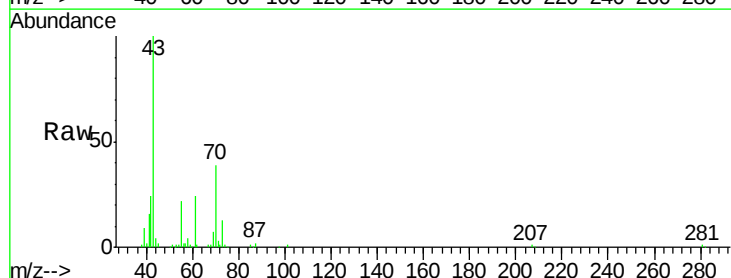
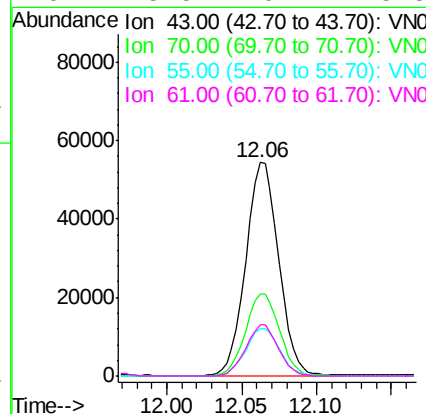
Ion Ratio Lower Upper

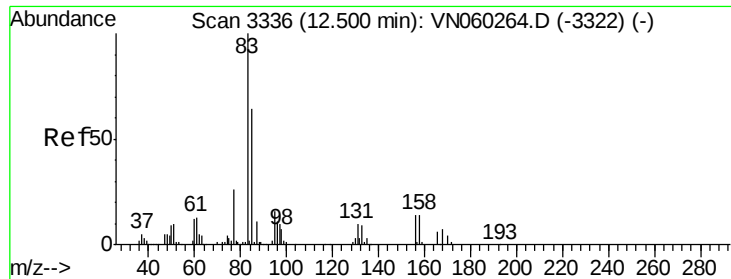
43 100

70 39.5 32.2 48.2

55 22.7 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.563 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

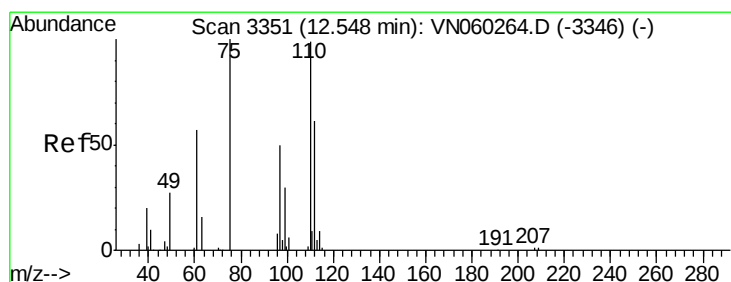
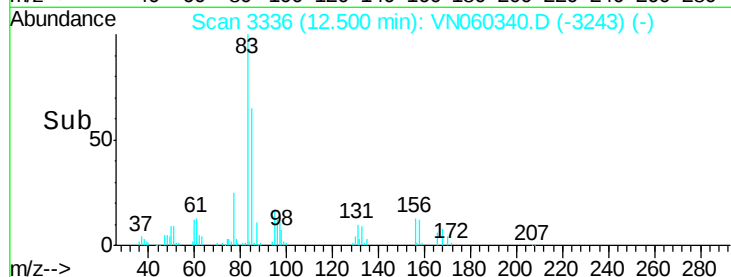
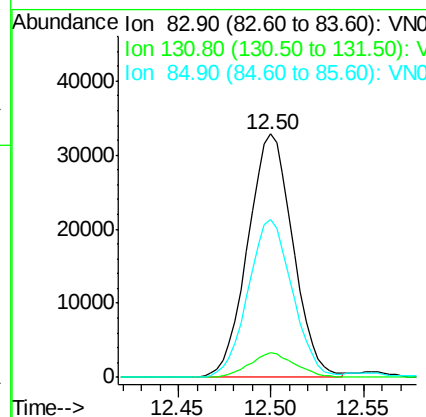
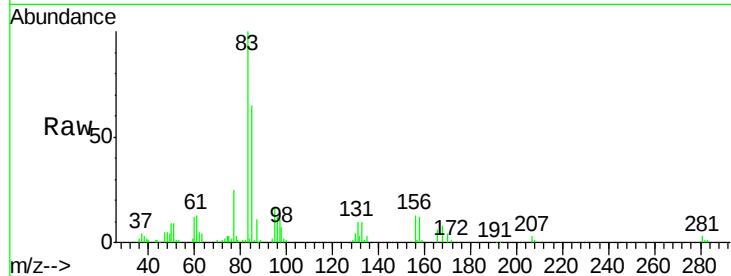
ClientSampleId :

VN0304WBS01

Tot Ion:	83	Resp:	55359
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	63.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.282 ug/l m

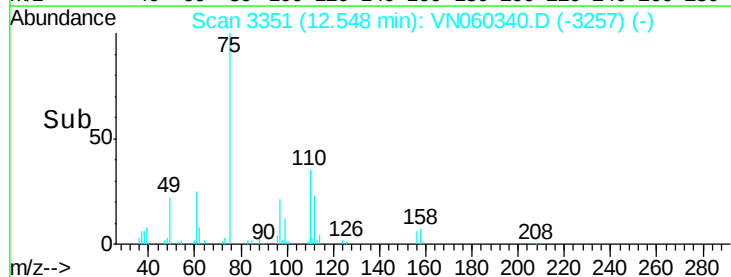
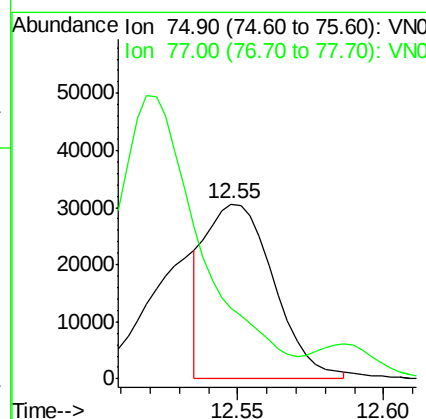
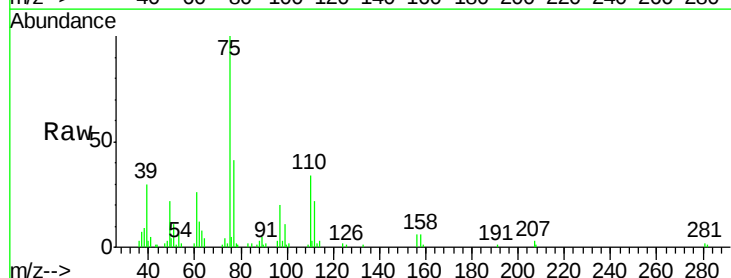
RT: 12.55 min Scan# 3351

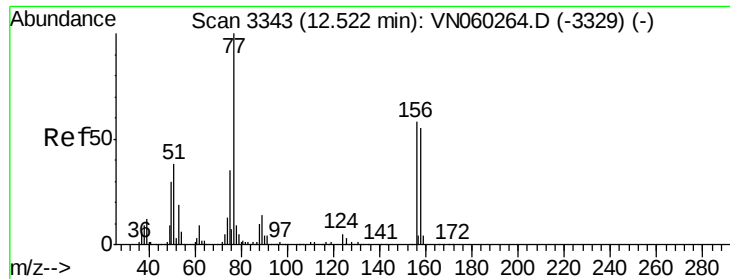
Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:	75	Resp:	49631
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.566 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

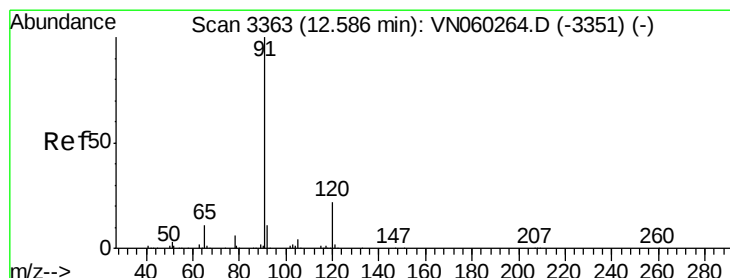
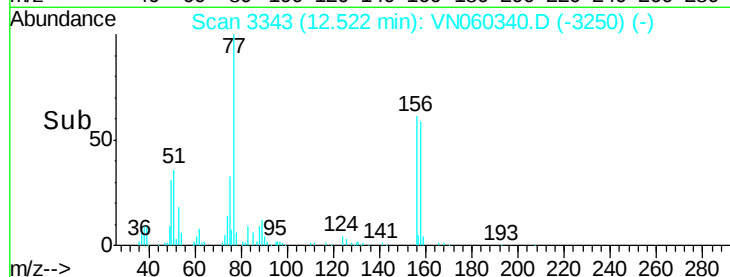
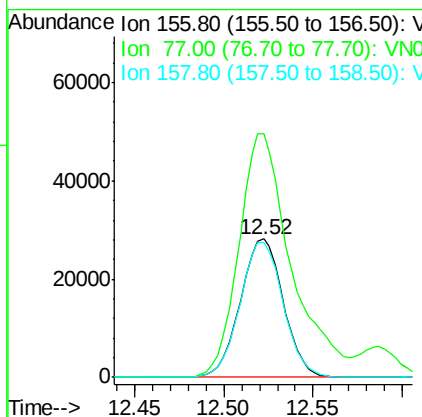
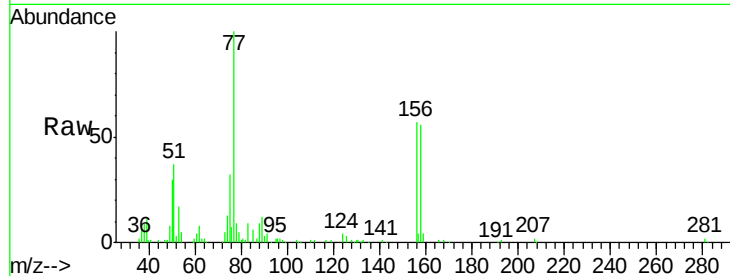
ClientSampleId :

VN0304WBS01

Tot Ion:	156	Resp:	47241
Ion	Ratio	Lower	Upper
156	100		
77	214.3	106.1	318.3
158	98.7	48.3	144.8

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#78

n-propylbenzene

Concen: 17.979 ug/l

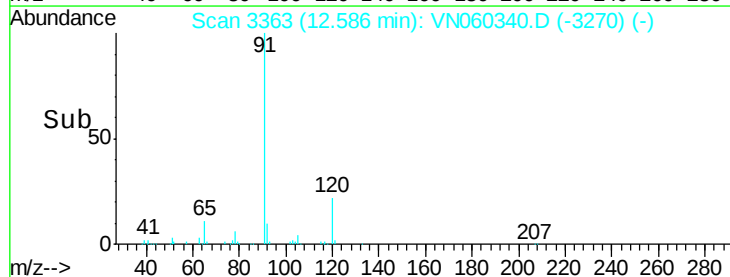
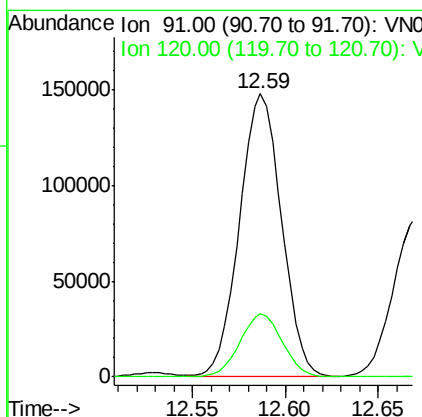
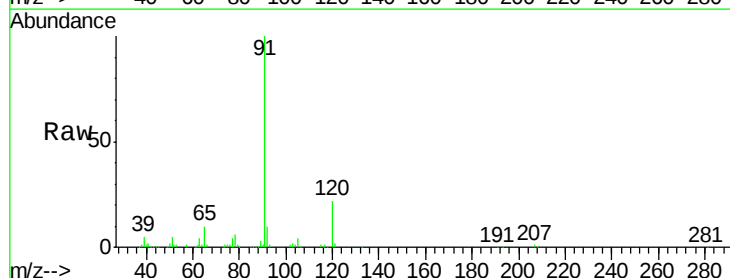
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:	91	Resp:	231222
Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9





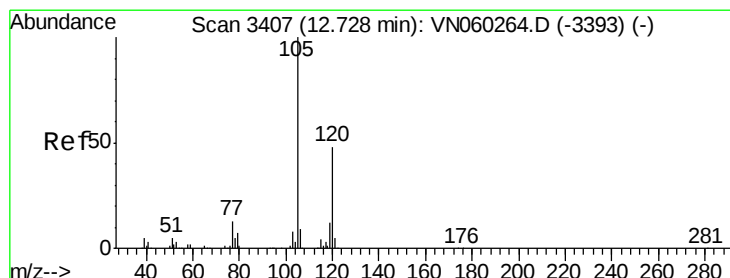
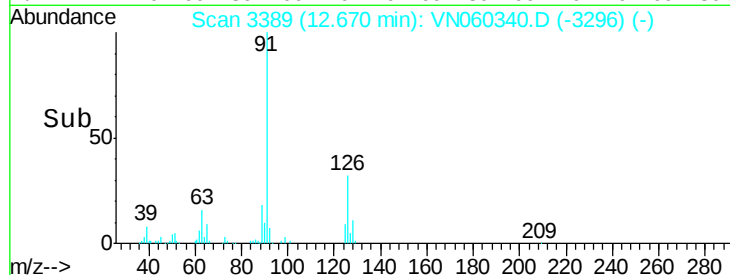
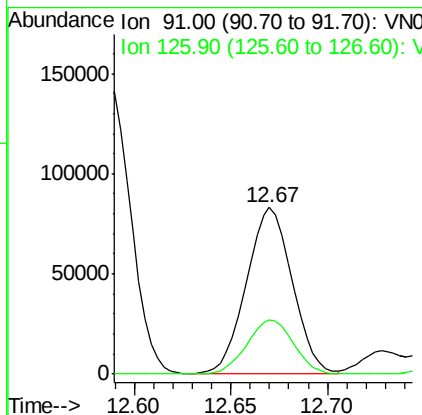
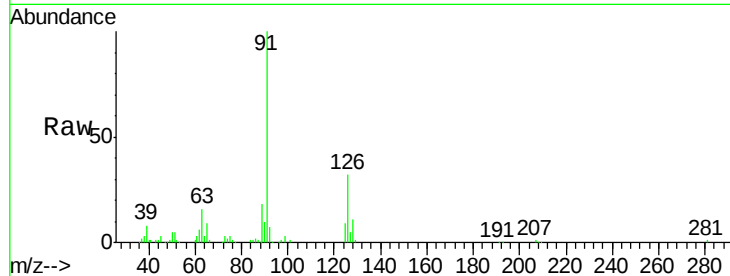
#79
 2-Chlorotoluene
 Concen: 18.053 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Tot Ion: 91 Resp: 136475
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8

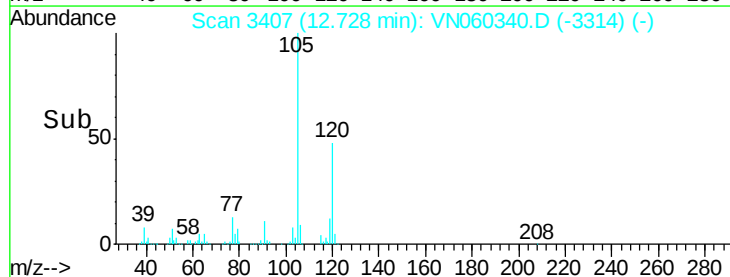
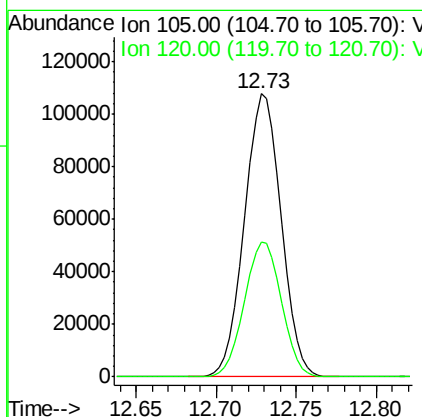
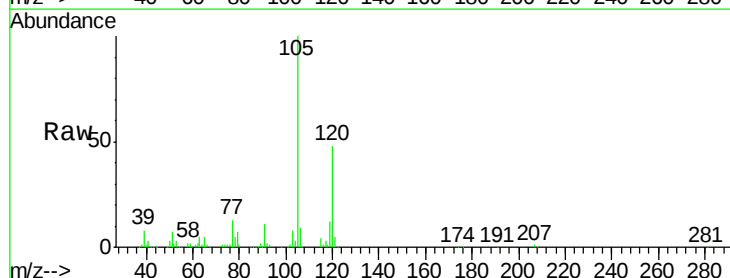
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.242 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 105 Resp: 168510
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.882 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

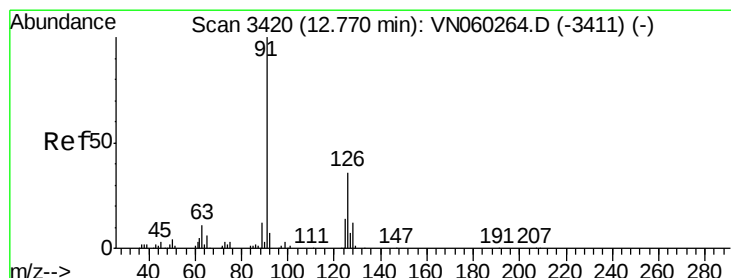
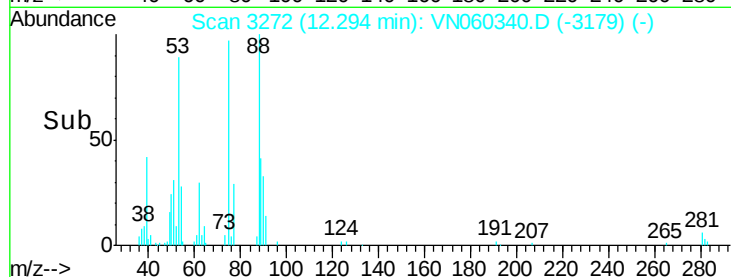
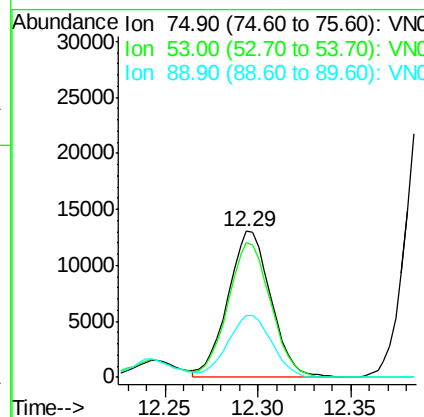
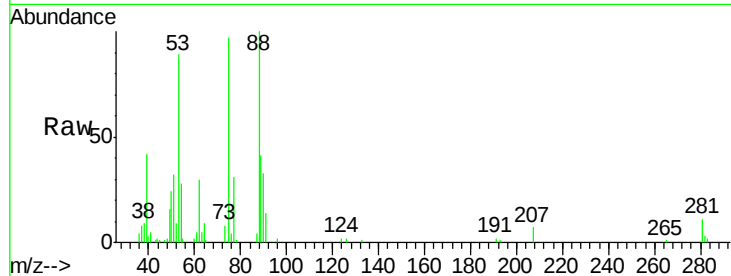
ClientSampleId :

VN0304WBS01

Tot Ion:	75	Resp:	21038
Ion	Ratio	Lower	Upper
75	100		
53	91.5	73.8	110.6
89	43.5	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 17.621 ug/l

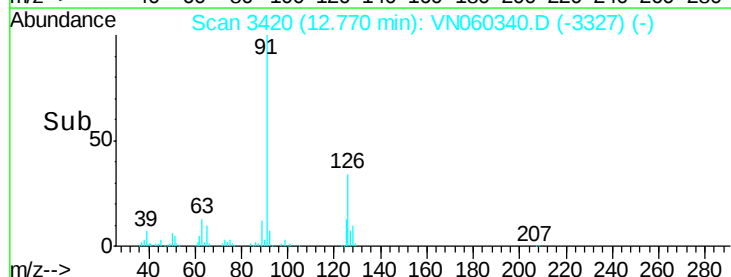
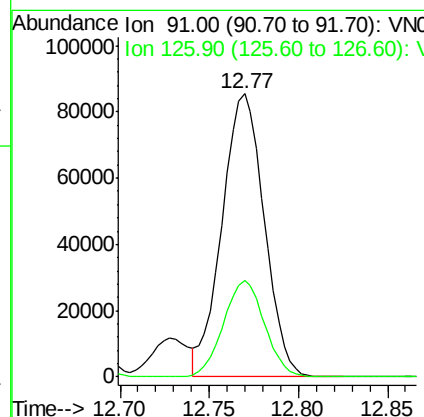
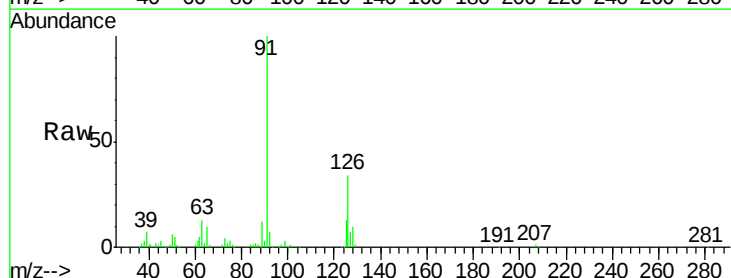
RT: 12.77 min Scan# 3420

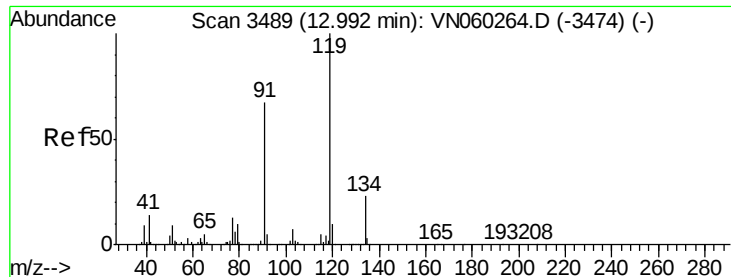
Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:	91	Resp:	140349
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.7	50.1





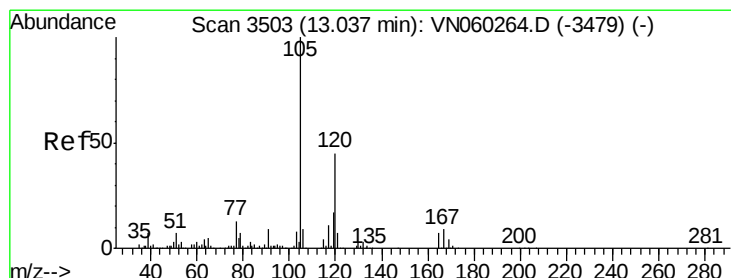
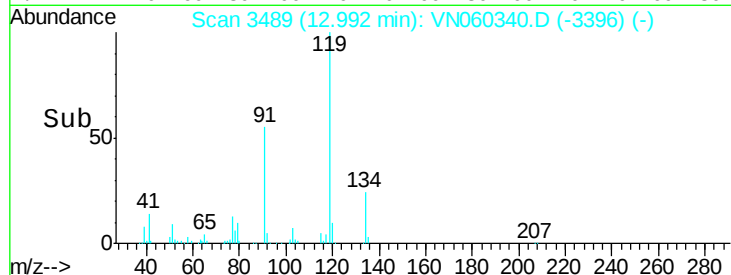
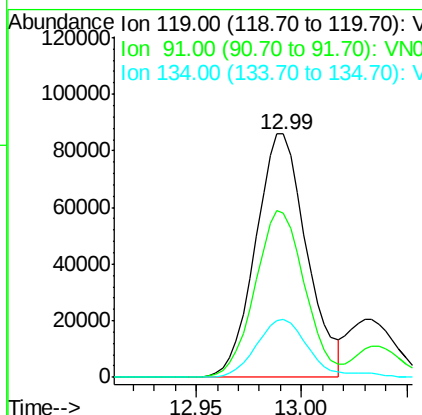
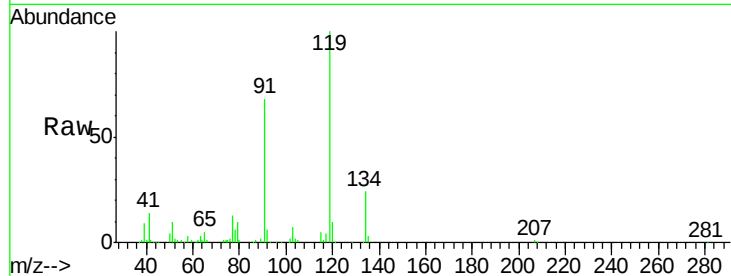
#83
tert-Butylbenzene
Concen: 18.097 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	33.1	99.2
134	24.8	12.4	37.0

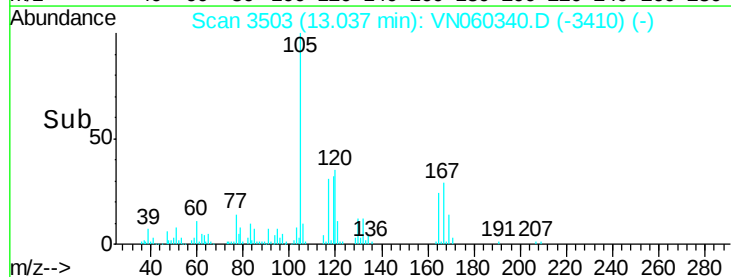
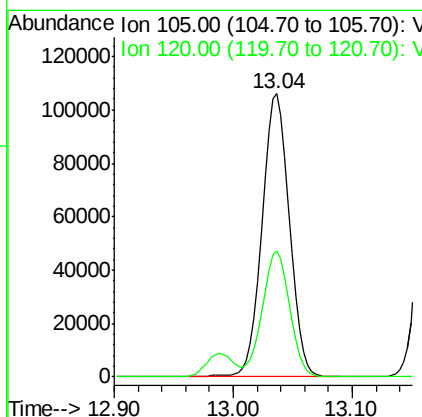
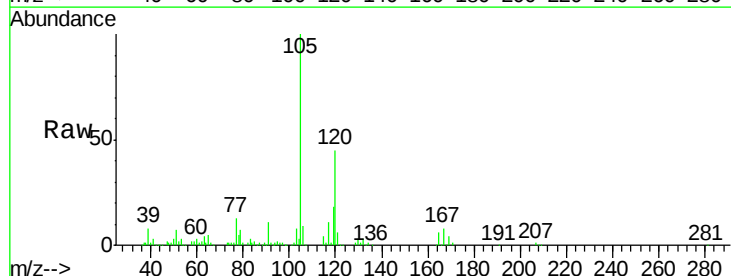
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#84
1,2,4-Trimethylbenzene
Concen: 18.085 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.9





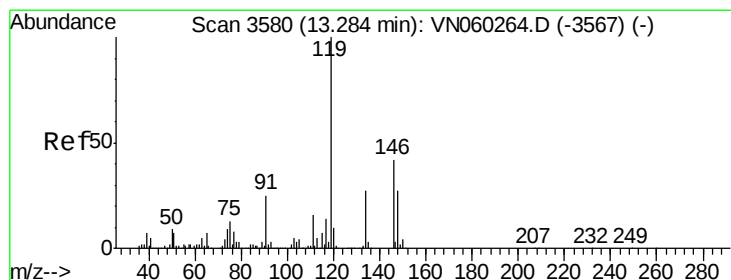
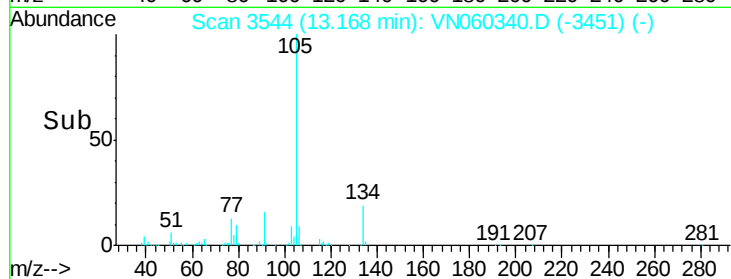
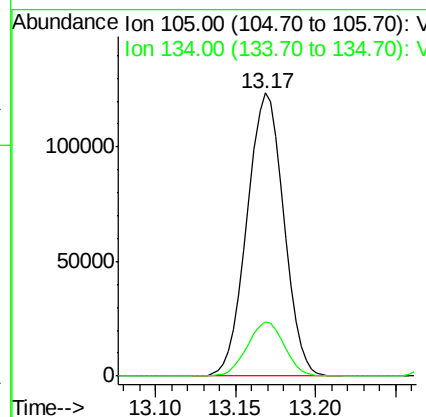
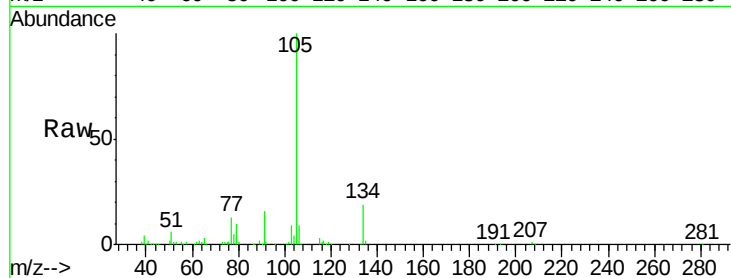
#85
 sec-Butylbenzene
 Concen: 18.063 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0304WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	193448		
134	19.3	9.8	29.5	

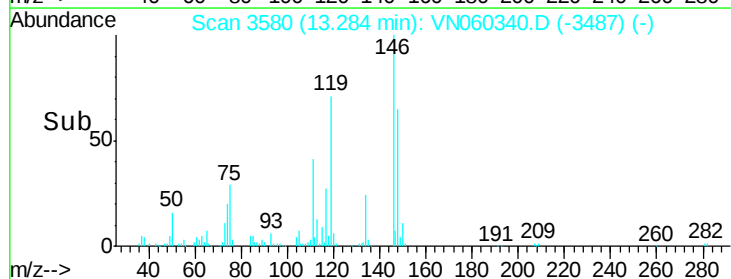
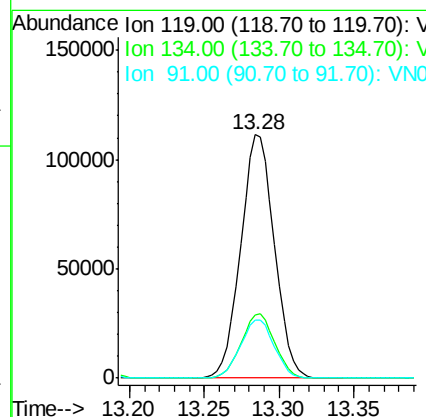
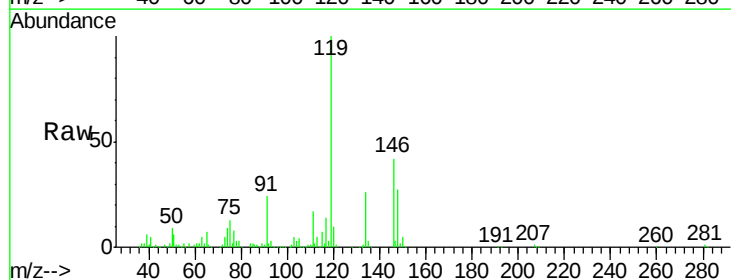
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#86
 p-Isopropyltoluene
 Concen: 17.562 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	174081		
134	26.3	13.2	39.6	
91	24.1	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 18.313 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060340.D

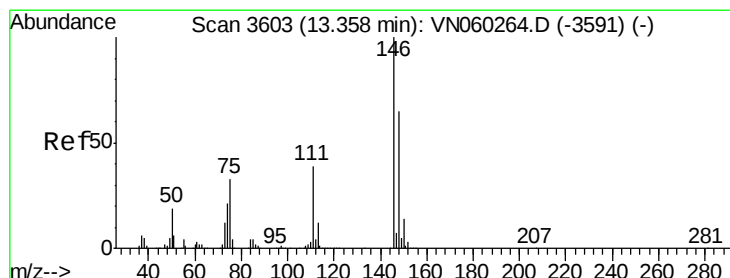
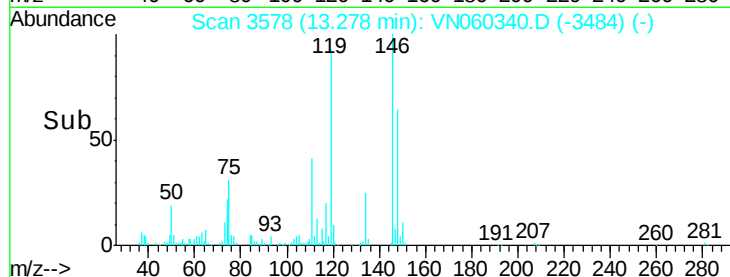
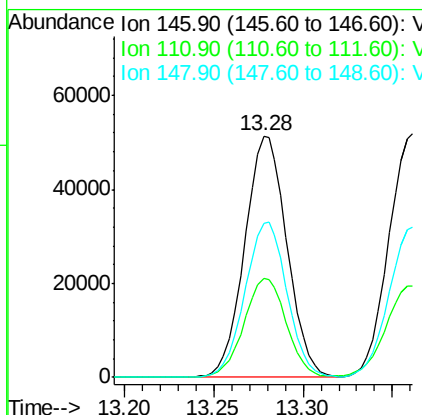
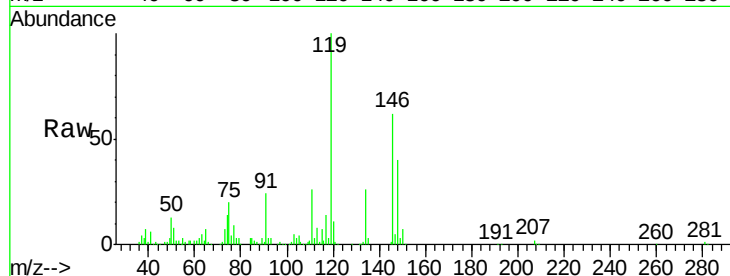
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	59.9
148	63.9	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.522 ug/l

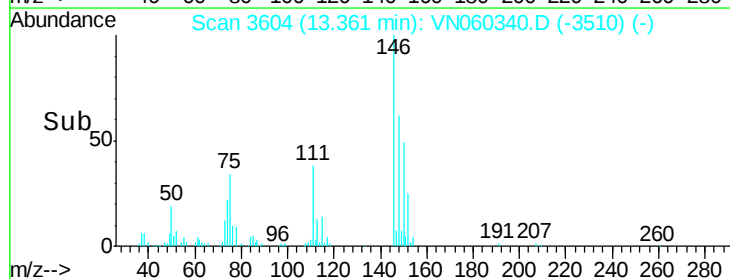
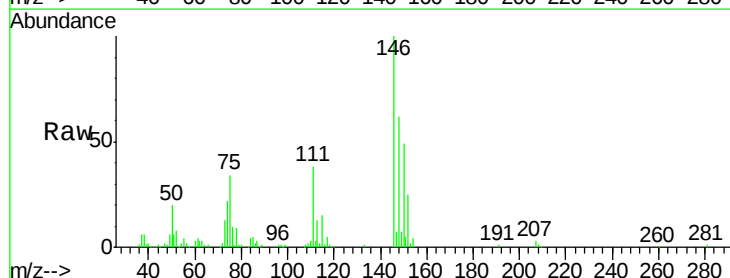
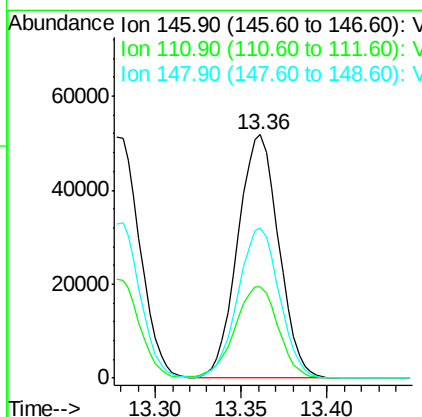
RT: 13.36 min Scan# 3604

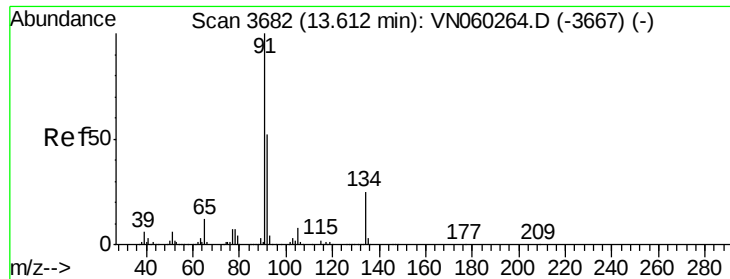
Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	62.6	32.3	96.9





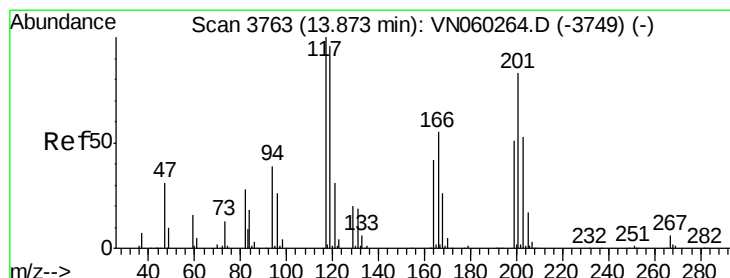
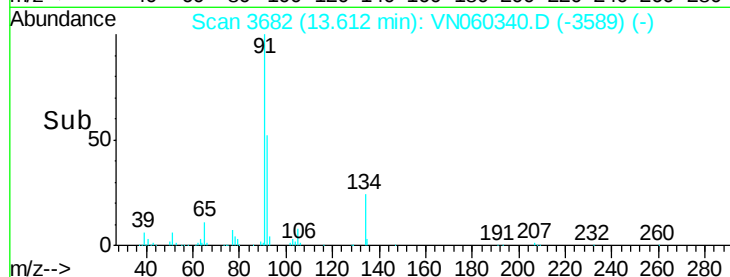
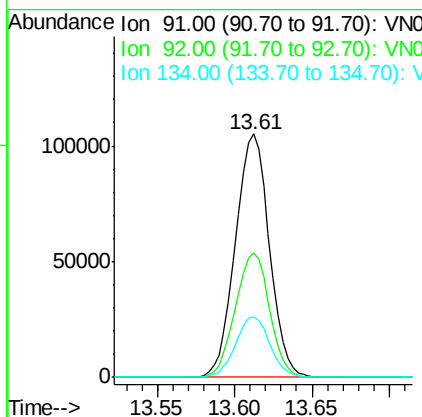
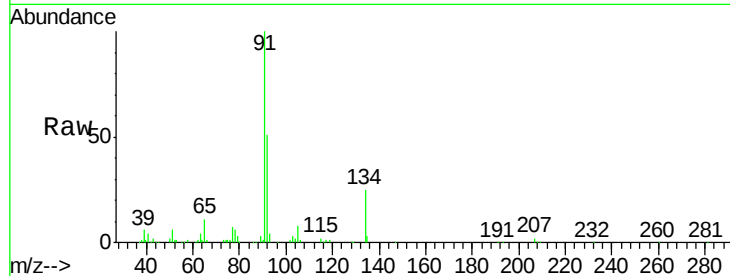
#89
n-Butylbenzene
Concen: 17.604 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	25.2	12.7	38.1

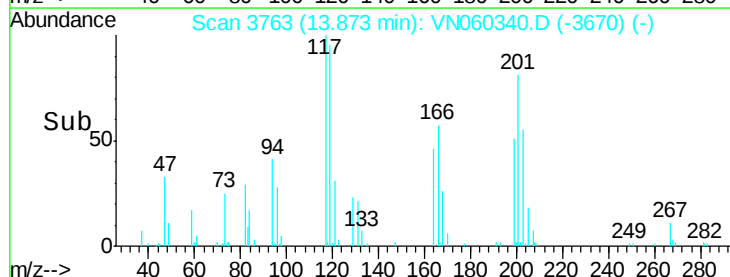
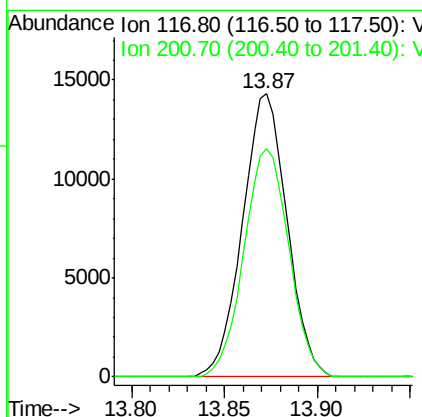
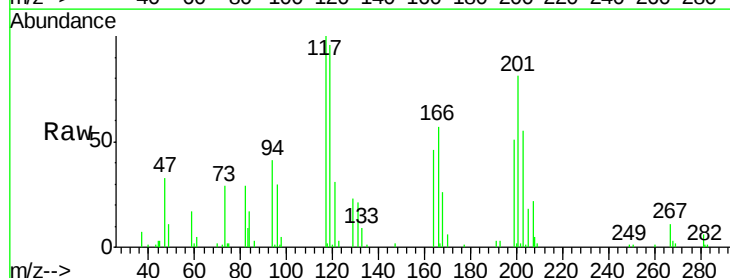
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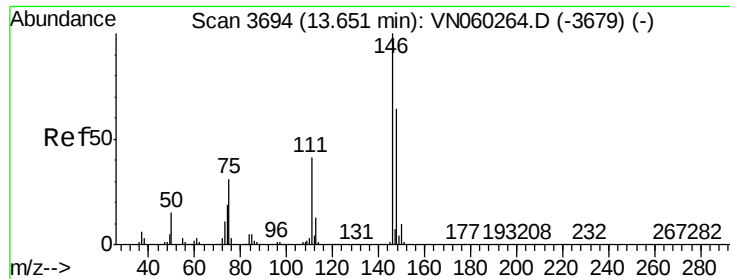
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#90
Hexachloroethane
Concen: 16.601 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	41.0	123.0





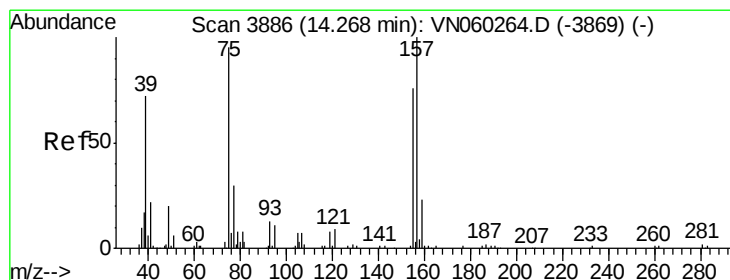
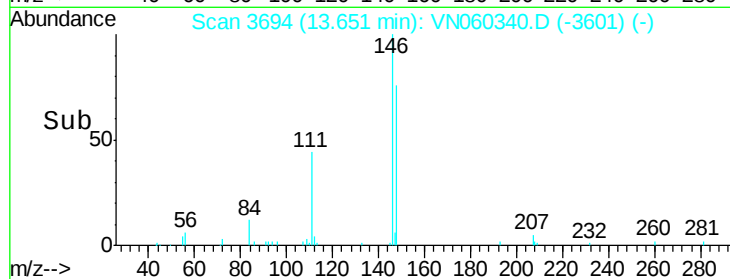
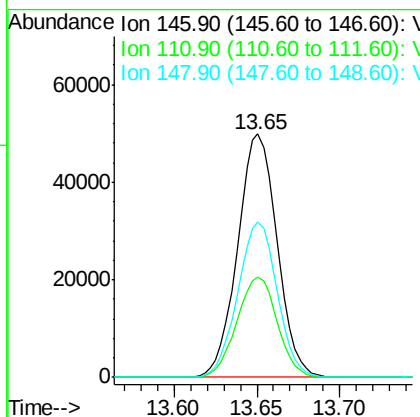
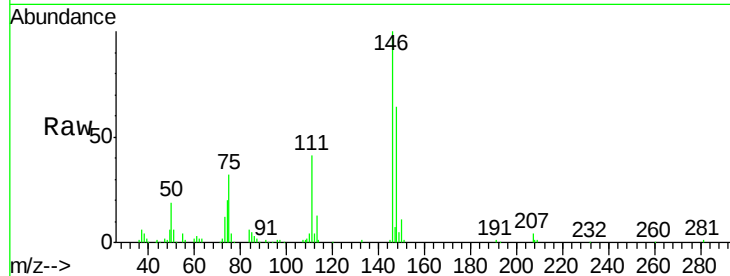
#91
 1,2-Dichlorobenzene
 Concen: 17.564 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	61.0
148	63.7	31.8	95.3

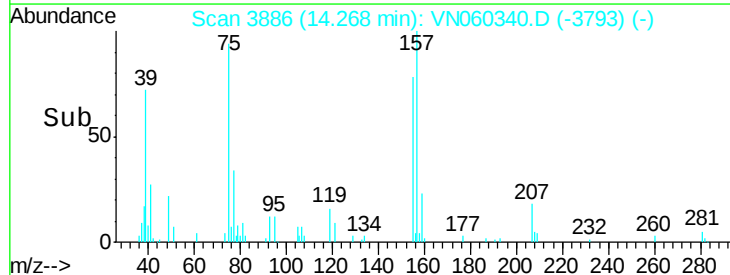
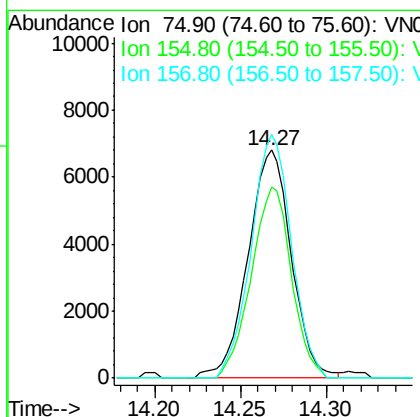
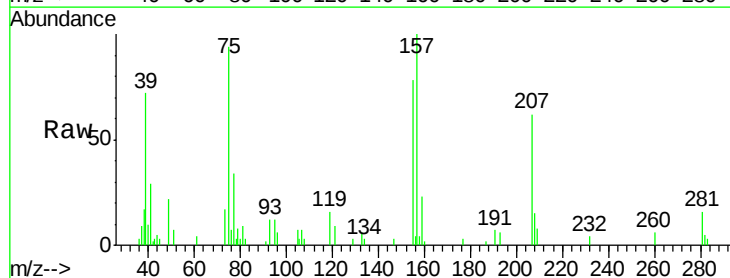
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.604 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	40.4	121.2
157	99.1	52.5	157.5





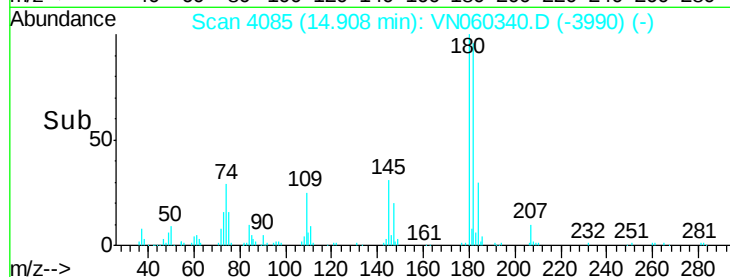
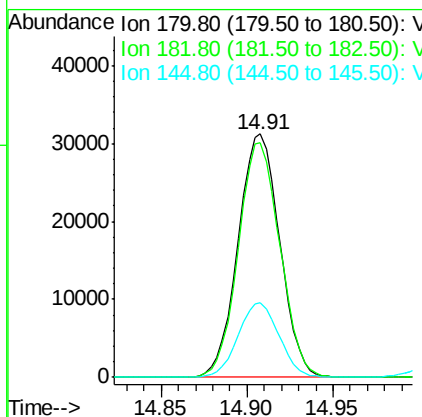
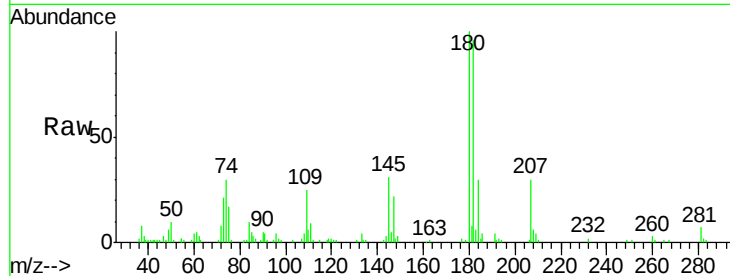
#93
 1,2,4-Trichlorobenzene
 Concen: 17.632 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	30.0	15.4	46.1

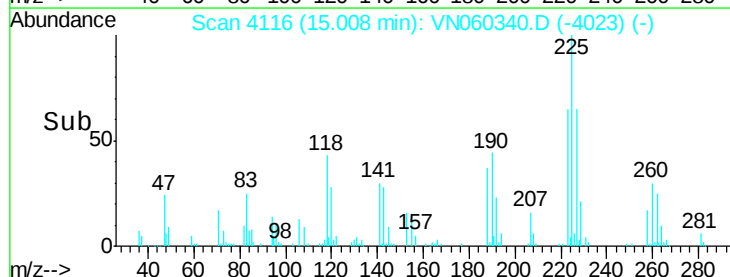
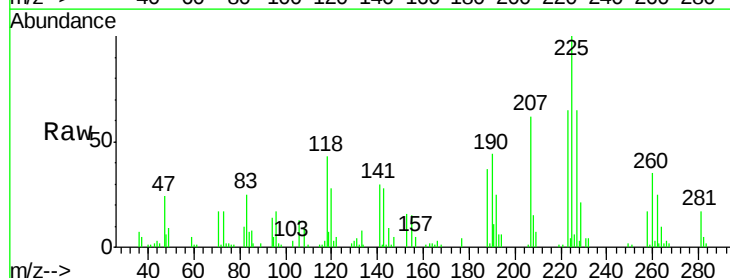
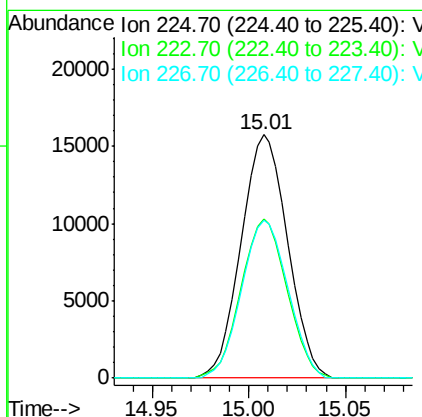
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#94
 Hexachlorobutadiene
 Concen: 18.775 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.3	93.9
227	64.7	32.3	96.9





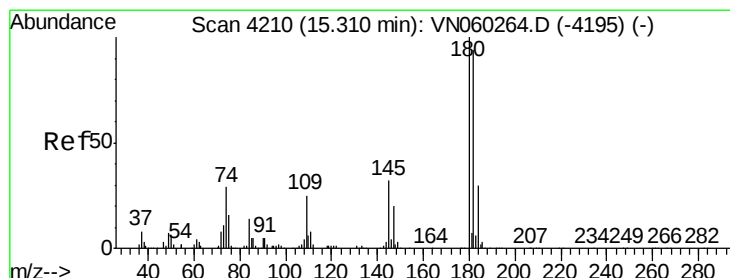
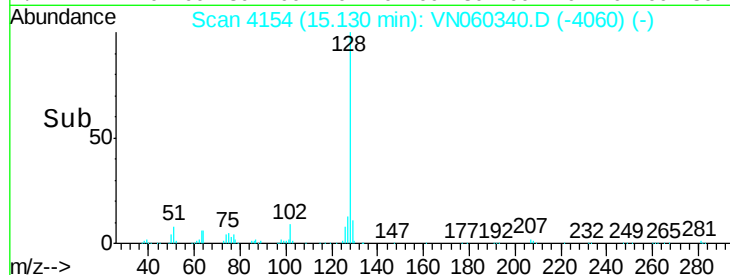
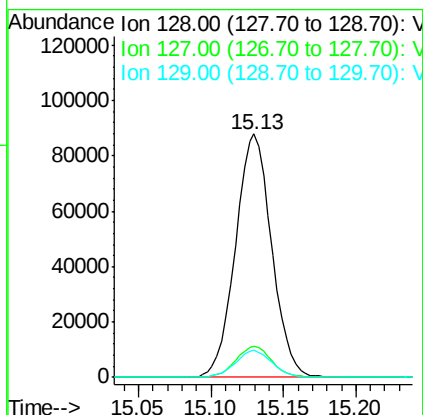
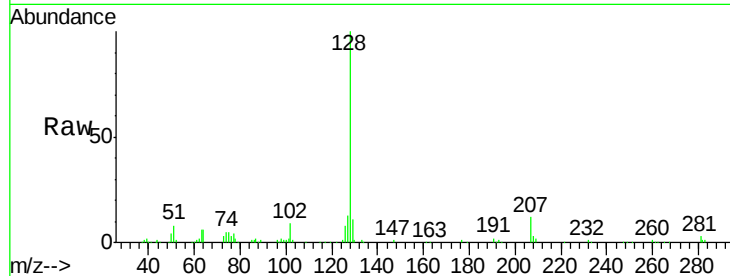
#95
Naphthalene
Concen: 17.012 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	151622		
127	12.6	10.4	15.6	
129	11.2	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:46:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.089 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51338		
182	94.1	47.3	142.0	
145	32.9	16.2	48.5	

