

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030420\
 Data File : VN060341.D
 Acq On : 4 Mar 2020 12:04
 Operator : JC/MD
 Sample : VN0304WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Manual Integrations
 APPROVED

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 3/5/2020 1:46:17 PM

Quant Time: Mar 05 05:55:02 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	195586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129500	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.56	113	85830	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
50) Toluene-d8	10.08	98	365871	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	138515	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29949	16.701	ug/l	98
3) Chloromethane	2.04	50	54586	17.484	ug/l	99
4) Vinyl Chloride	2.16	62	43491	16.243	ug/l	99
5) Bromomethane	2.54	94	17293	14.331	ug/l	97
6) Chloroethane	2.69	64	24602	16.959	ug/l	97
7) Trichlorofluoromethane	3.00	101	58344	17.055	ug/l	97
8) Diethyl Ether	3.38	74	23817	18.440	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	34062	17.594	ug/l	100
10) Methyl Iodide	3.93	142	30137	17.056	ug/l	98
11) Tert butyl alcohol	4.73	59	36576	98.161	ug/l	100
12) 1,1-Dichloroethene	3.71	96	33398	17.724	ug/l	95
13) Acrolein	3.58	56	35907	103.295	ug/l	99
14) Allyl chloride	4.29	41	61544	17.764	ug/l	98
15) Acrylonitrile	4.94	53	96674	98.432	ug/l	98
16) Acetone	3.78	43	80541	99.389	ug/l	99
17) Carbon Disulfide	4.03	76	85714	16.720	ug/l	99
18) Methyl Acetate	4.29	43	49252	18.212	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	130631	19.148	ug/l	99
20) Methylene Chloride	4.52	84	39634	17.809	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	36339	17.725	ug/l	95
22) Diisopropyl ether	5.91	45	134046	19.101	ug/l	97
23) Vinyl Acetate	5.86	43	538436	96.554	ug/l	99
24) 1,1-Dichloroethane	5.81	63	72444	18.236	ug/l	98
25) 2-Butanone	6.80	43	130881	99.991	ug/l	99
26) 2,2-Dichloropropane	6.80	77	63506	17.560	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	44887	17.394	ug/l	99
28) Bromochloromethane	7.17	49	30970	18.988	ug/l	99
29) Tetrahydrofuran	7.18	42	87439	96.066	ug/l	99
30) Chloroform	7.34	83	74221	18.768	ug/l	100
31) Cyclohexane	7.63	56	64039	18.033	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	63440	18.106	ug/l	99
36) 1,1-Dichloropropene	7.77	75	51767	16.831	ug/l	99
37) Ethyl Acetate	6.89	43	57076	19.598	ug/l	99
38) Carbon Tetrachloride	7.75	117	51882	17.325	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	61292	16.901	ug/l	96
40) Benzene	8.02	78	160797	17.962	ug/l	99
41) Methacrylonitrile	7.14	41	22486m	16.721	ug/l	
42) 1,2-Dichloroethane	8.10	62	60309	18.669	ug/l	99
43) Isopropyl Acetate	8.14	43	98227	19.266	ug/l	99
44) Trichloroethene	8.82	130	44156	17.710	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44308	18.930	ug/l	100
46) Dibromomethane	9.19	93	27861	18.345	ug/l	98
47) Bromodichloromethane	9.38	83	57307	18.553	ug/l	98
48) Methyl methacrylate	9.18	41	41726	17.947	ug/l	97
49) 1,4-Dioxane	9.18	88	12892	394.299	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	281703	97.448	ug/l	100
52) Toluene	10.14	92	101606	18.068	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	67707	17.889	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	71880	18.328	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	41577	18.385	ug/l	98
56) Ethyl methacrylate	10.42	69	60552	18.638	ug/l	97
57) 1,3-Dichloropropane	10.70	76	70137	19.018	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	160282	94.329	ug/l	100
59) 2-Hexanone	10.74	43	204135	96.177	ug/l	100
60) Dibromochloromethane	10.89	129	43772	19.033	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41705	18.918	ug/l	95
64) Tetrachloroethene	10.62	164	46709	19.087	ug/l	99
65) Chlorobenzene	11.43	112	106382	17.727	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40735	18.358	ug/l	97
67) Ethyl Benzene	11.50	91	195307	17.871	ug/l	99
68) m/p-Xylenes	11.62	106	144842	35.128	ug/l	99
69) o-Xylene	11.94	106	71085	18.079	ug/l	99
70) Styrene	11.96	104	112414	17.389	ug/l	99
71) Bromoform	12.12	173	29995	18.757	ug/l #	99
73) Isopropylbenzene	12.25	105	188995	17.786	ug/l	98
74) N-amyl acetate	12.07	43	83683	18.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55569	19.238	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54371m	17.285	ug/l	
77) Bromobenzene	12.52	156	46583	17.884	ug/l	98
78) n-propylbenzene	12.59	91	222606	17.871	ug/l	100
79) 2-Chlorotoluene	12.67	91	132086	18.040	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	160503	17.940	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20162	17.694	ug/l #	84
82) 4-Chlorotoluene	12.77	91	135583	17.576	ug/l	98
83) tert-Butylbenzene	12.99	119	138170	17.837	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	160799	17.806	ug/l	100
85) sec-Butylbenzene	13.17	105	184136	17.752	ug/l	99
86) p-Isopropyltoluene	13.28	119	165718	17.261	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	81583	18.106	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81693	18.137	ug/l	98
89) n-Butylbenzene	13.61	91	149449	16.957	ug/l	99
90) Hexachloroethane	13.87	117	23363	16.812	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	80264	17.585	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12038	18.404	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52815	18.267	ug/l	99
94) Hexachlorobutadiene	15.01	225	25862	19.045	ug/l	99
95) Naphthalene	15.13	128	153957	17.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50219	18.271	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: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion:168 Resp: 195586

Ion Ratio Lower Upper

168 100

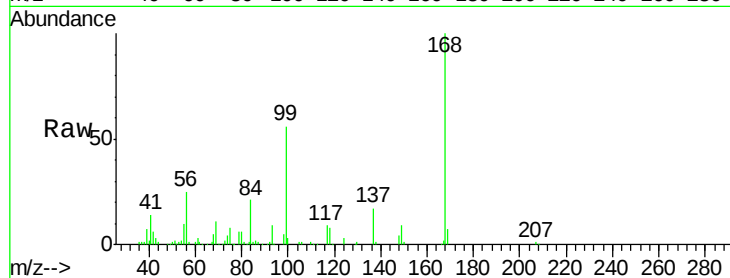
99 56.3 44.7 67.1

Manual Integrations

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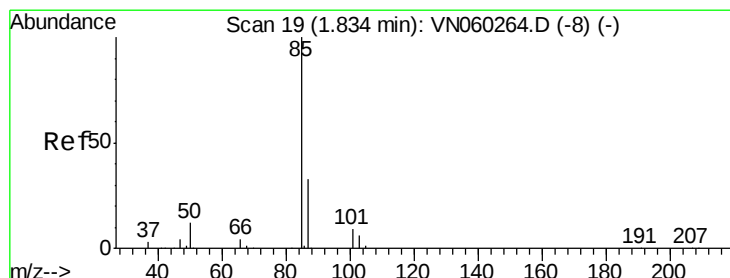
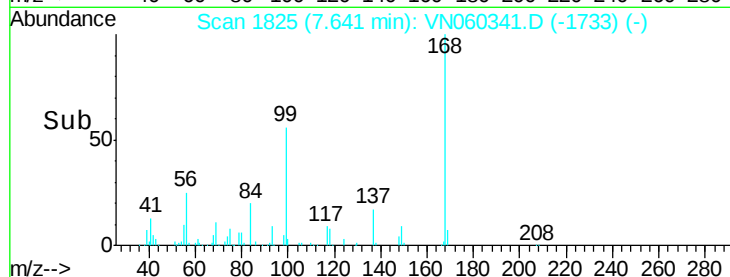
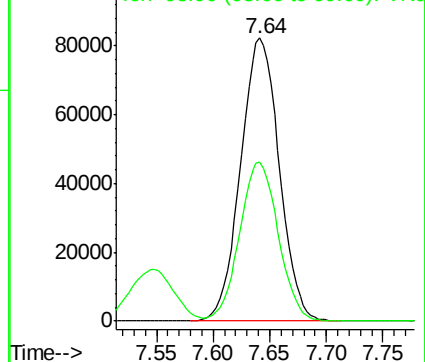
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.701 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060341.D

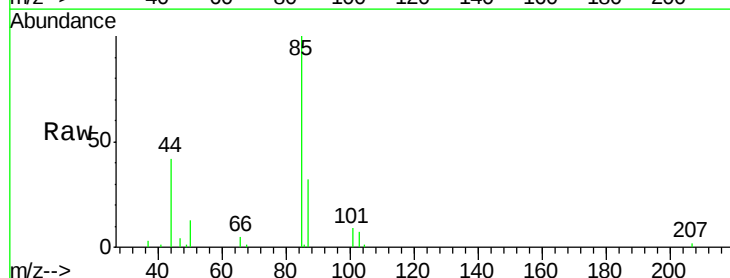
Acq: 4 Mar 2020 12:04

Tgt Ion: 85 Resp: 29949

Ion Ratio Lower Upper

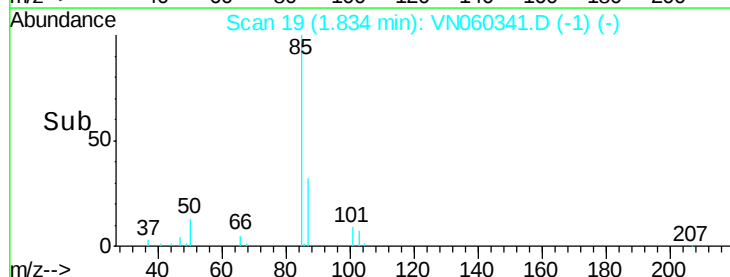
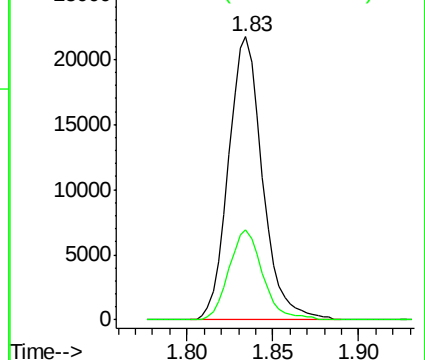
85 100

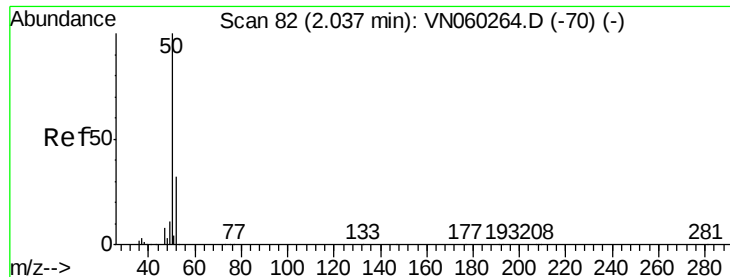
87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.484 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 50 Resp: 54586

Ion Ratio Lower Upper

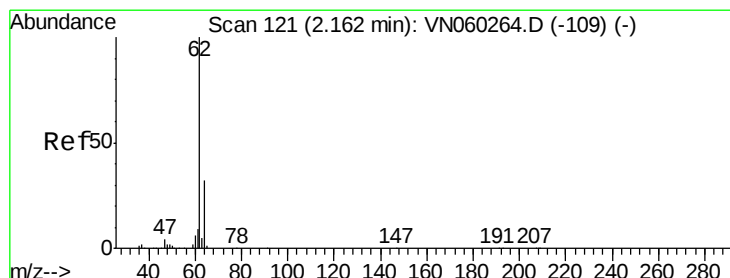
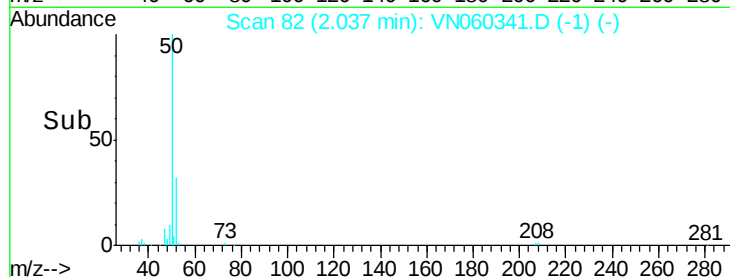
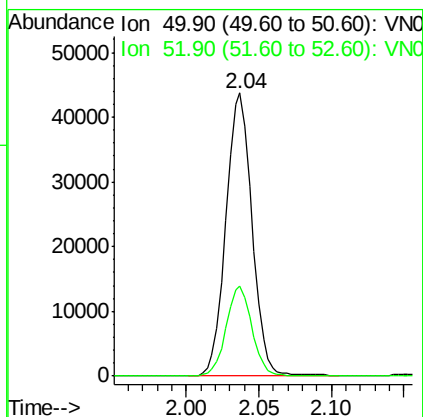
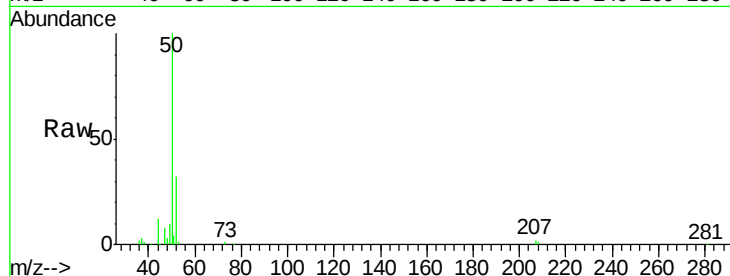
50 100

52 31.6 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.243 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060341.D

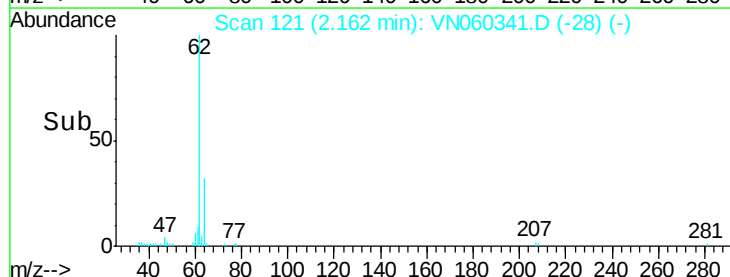
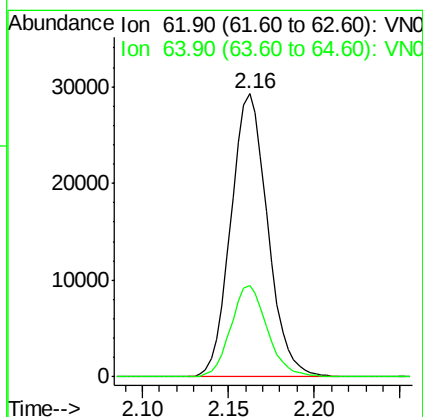
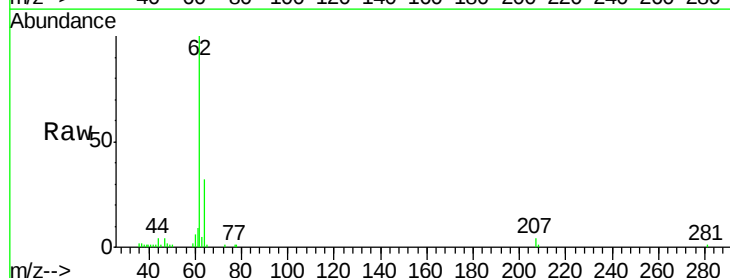
Acq: 4 Mar 2020 12:04

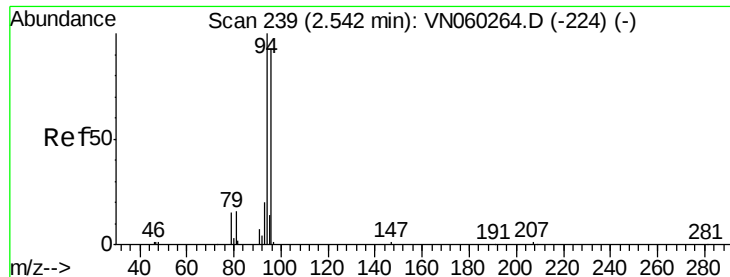
Tgt Ion: 62 Resp: 43491

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 14.331 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

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VN0304WBSD01

Tot Ion: 94 Resp: 17293

Ion Ratio Lower Upper

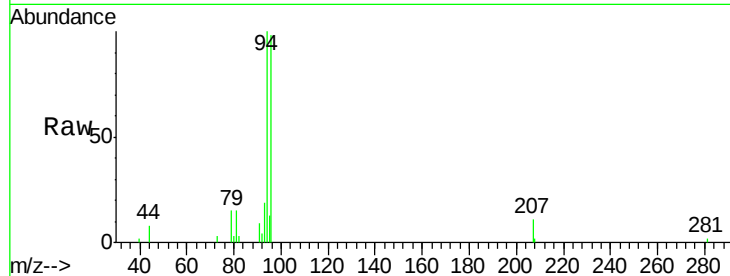
94 100

96 96.0 74.3 111.5

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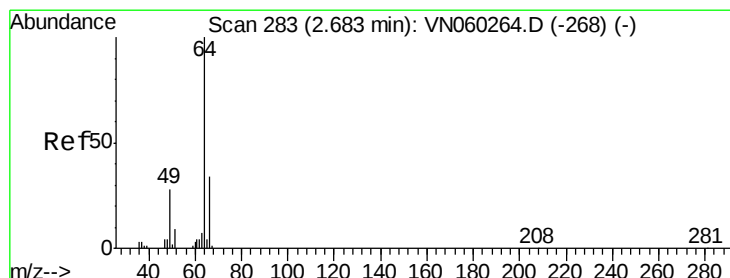
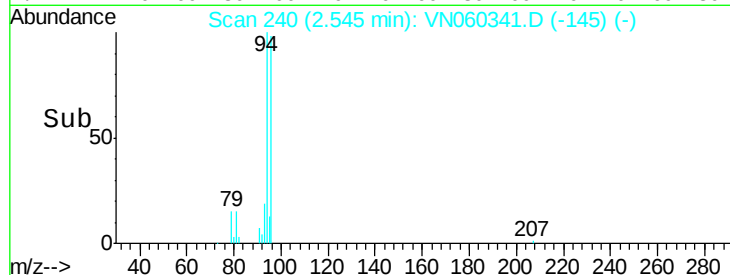
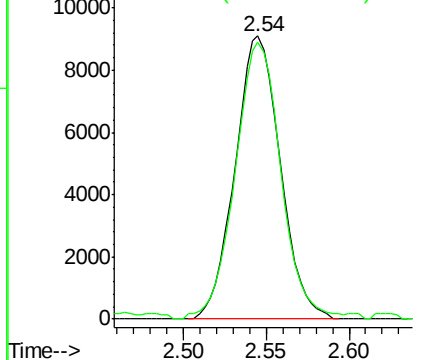
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.959 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060341.D

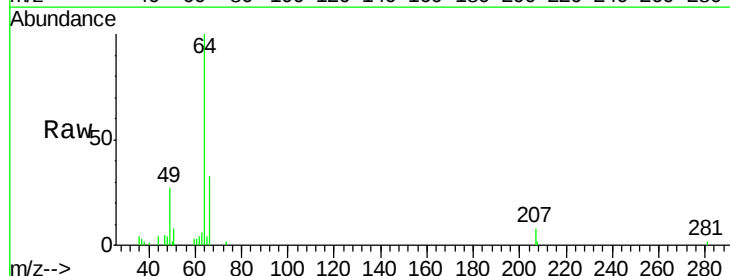
Acq: 4 Mar 2020 12:04

Tgt Ion: 64 Resp: 24602

Ion Ratio Lower Upper

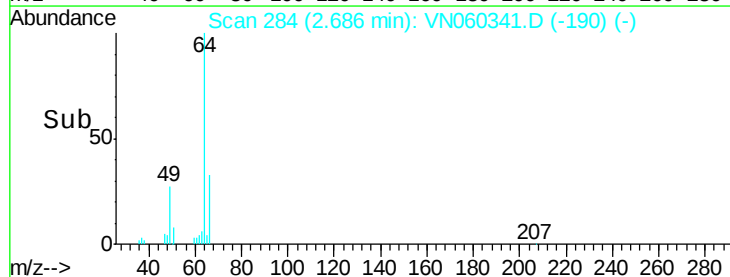
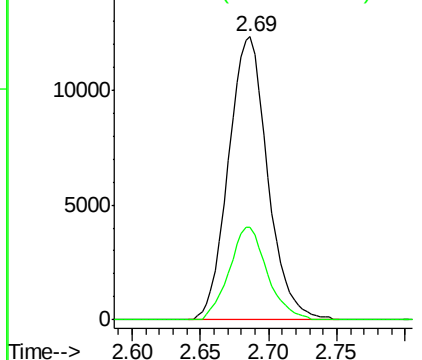
64 100

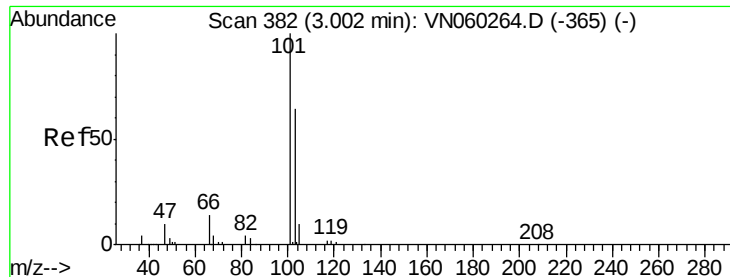
66 32.6 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

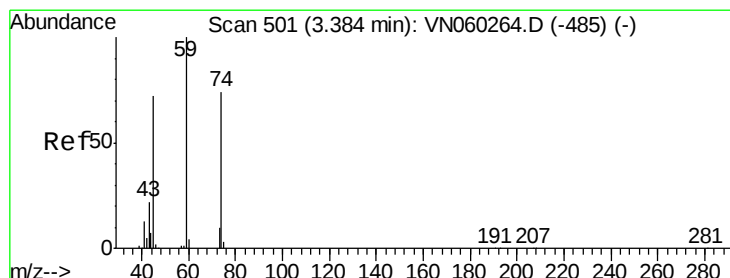
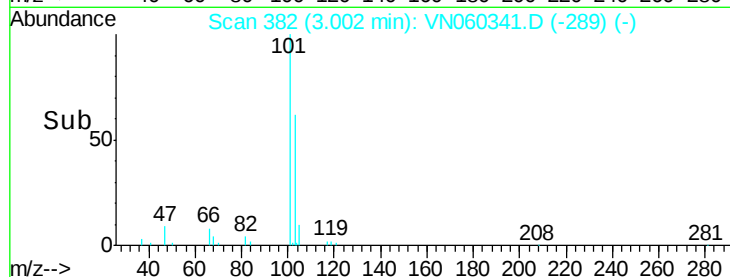
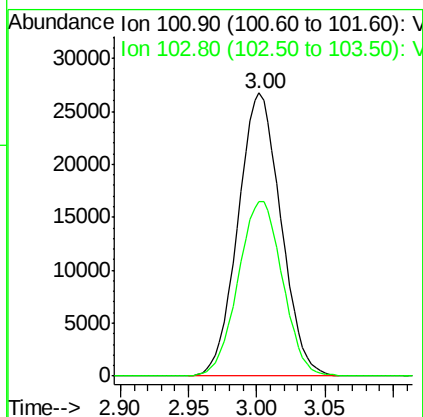
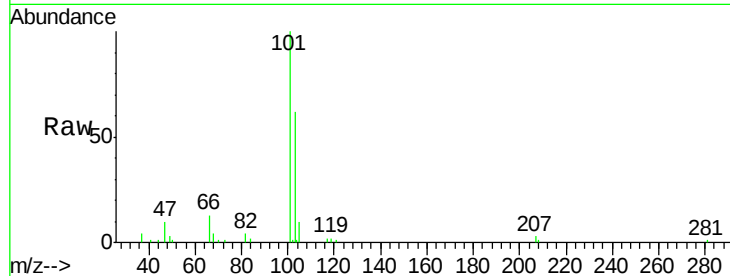
Trichlorofluoromethane
Concen: 17.055 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.3	76.9

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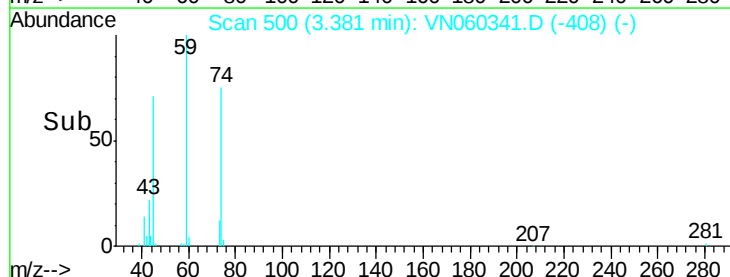
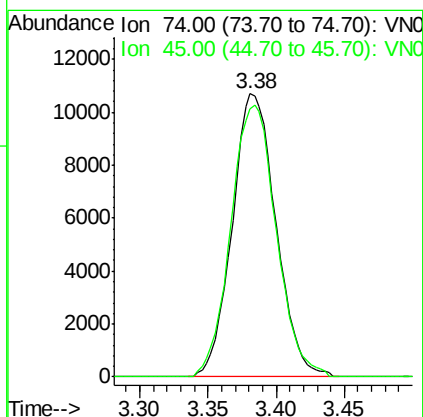
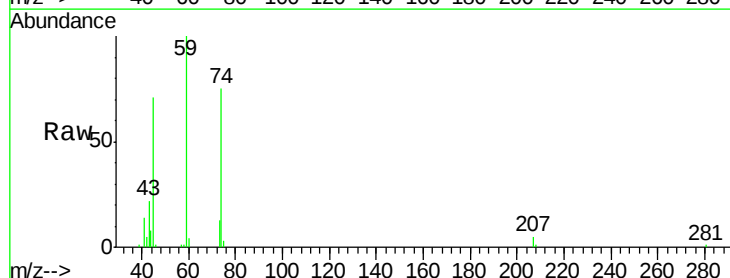
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#8

Diethyl Ether
Concen: 18.440 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.594 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

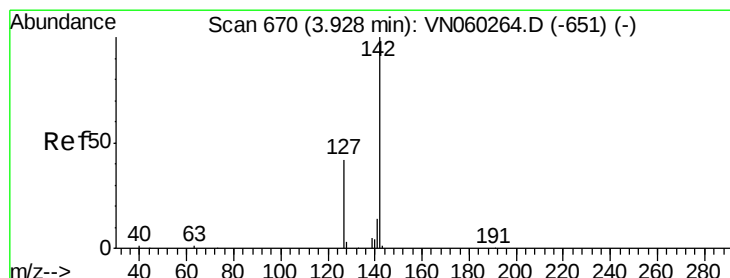
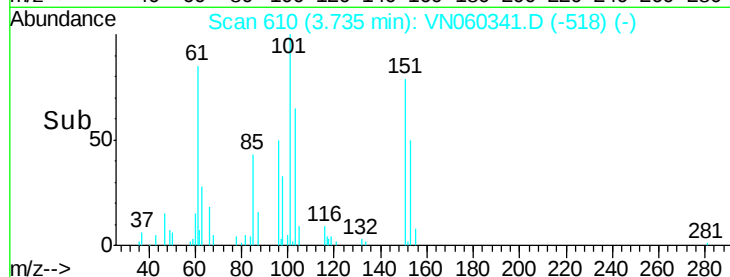
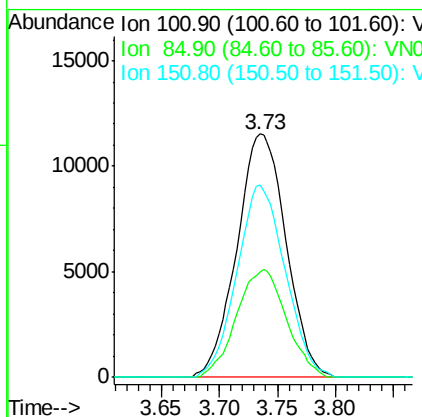
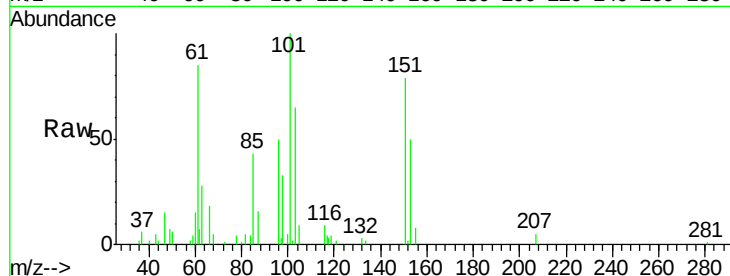
ClientSampleId :

VN0304WBSD01

Tot Ion:	101	Resp:	34062
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.4	53.2
151	77.4	62.0	93.0

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#10

Methyl Iodide

Concen: 17.056 ug/l

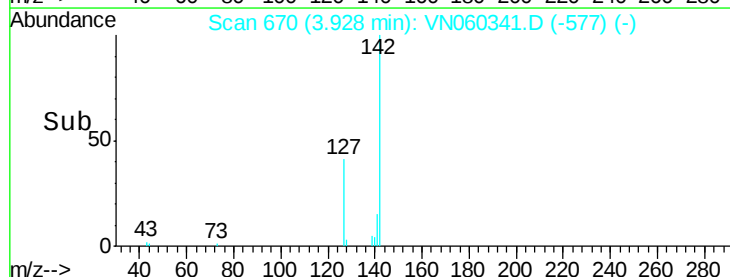
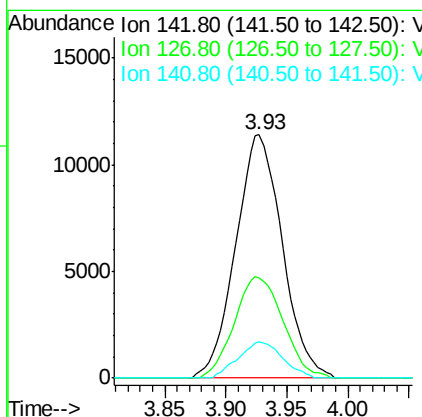
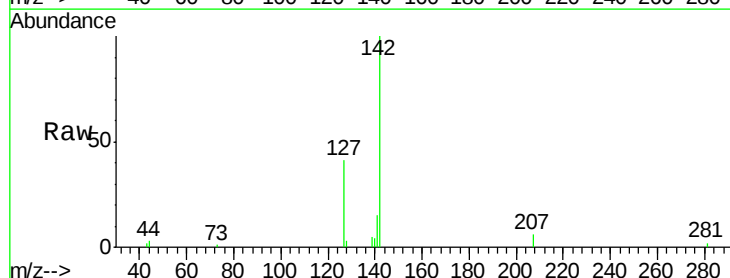
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Tgt Ion:	142	Resp:	30137
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.8	50.6
141	14.1	11.1	16.7





#11

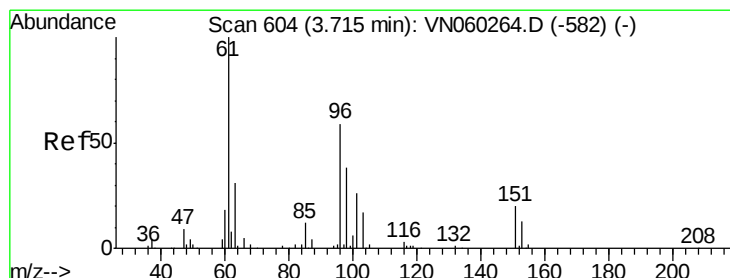
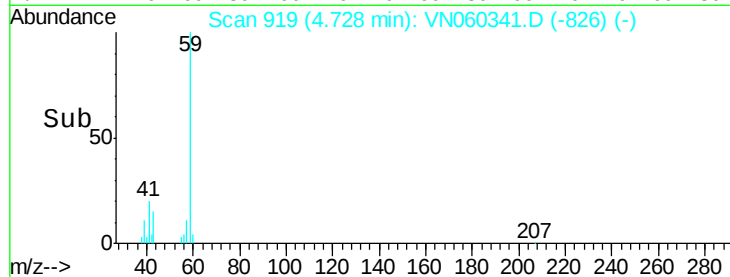
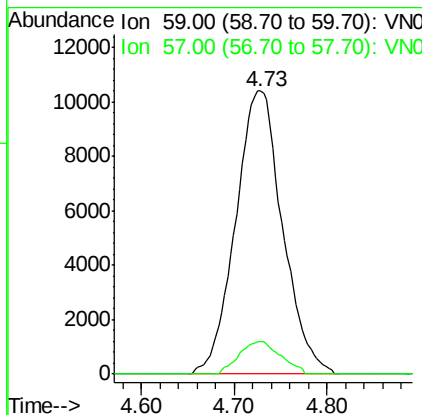
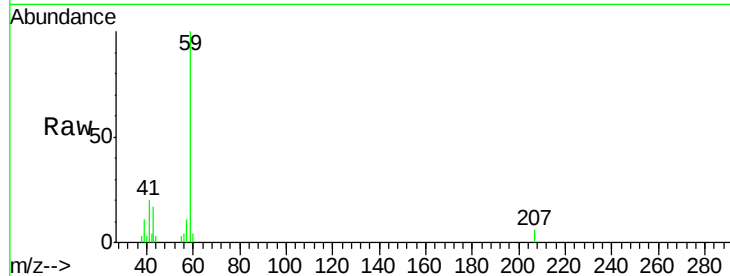
Tert butyl alcohol
 Concen: 98.161 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion	59	Resp	36576
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

Manual Integrations
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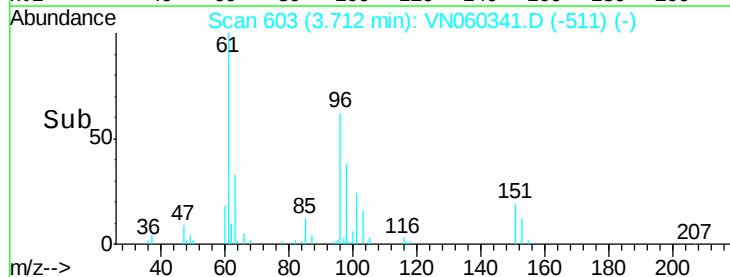
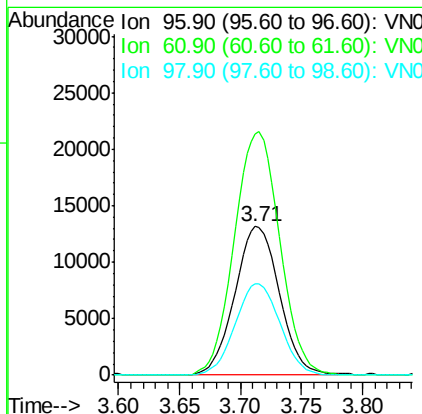
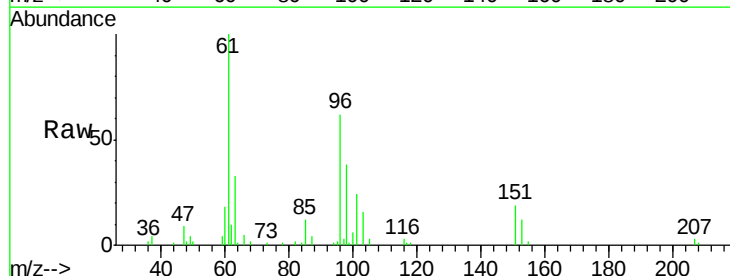
MMDadoda
 3/5/2020 1:46:17 PM



#12

1,1-Dichloroethene
 Concen: 17.724 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion	96	Resp	33398
Ion Ratio	100	Lower	Upper
61	162.2	135.4	203.0
98	61.3	51.6	77.4





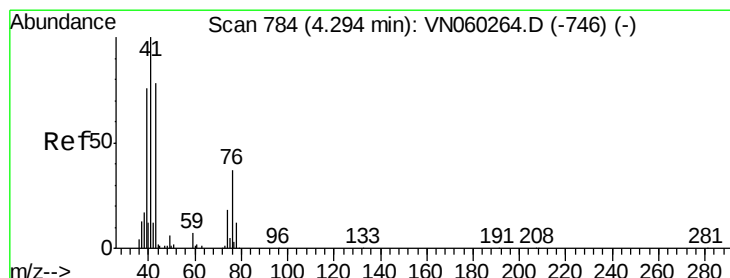
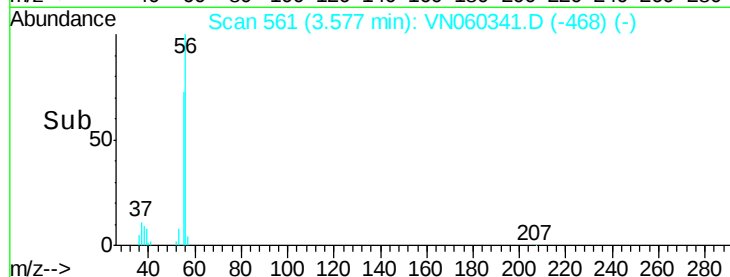
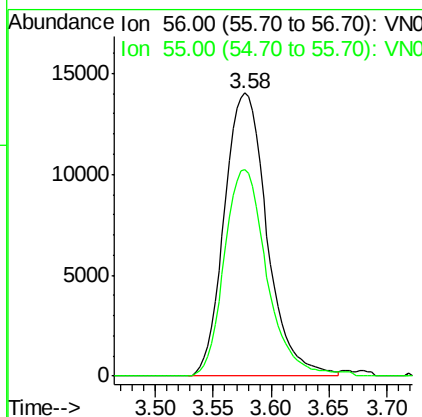
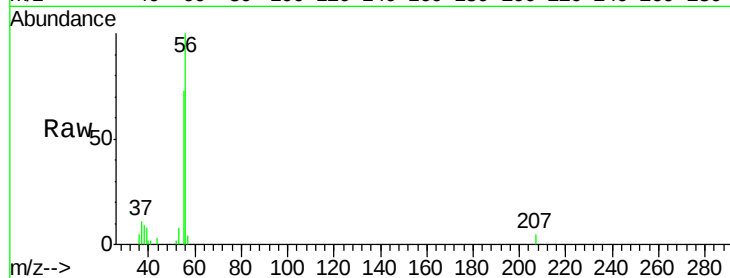
#13
Acrolein
Concen: 103.295 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	56	Resp	35907
Ion Ratio	Lower	Upper	
56	100		
55	72.7	57.4	86.0

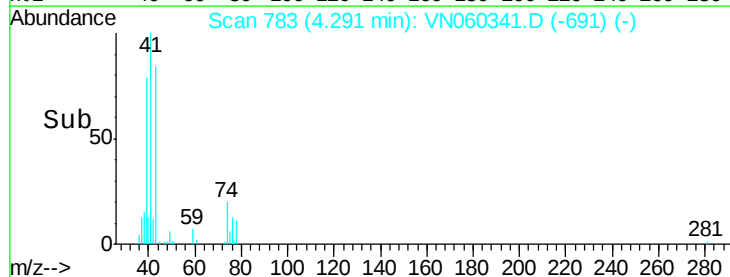
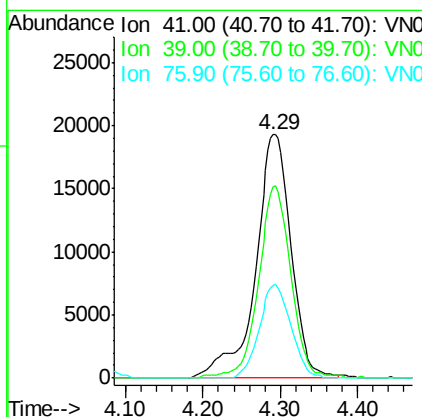
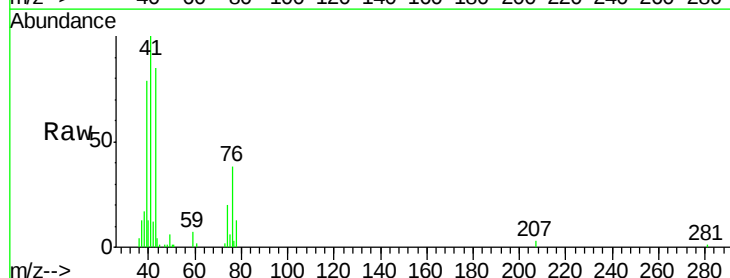
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#14
Allyl chloride
Concen: 17.764 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	41	Resp	61544
Ion Ratio	Lower	Upper	
41	100		
39	71.4	55.4	83.2
76	34.1	27.0	40.6





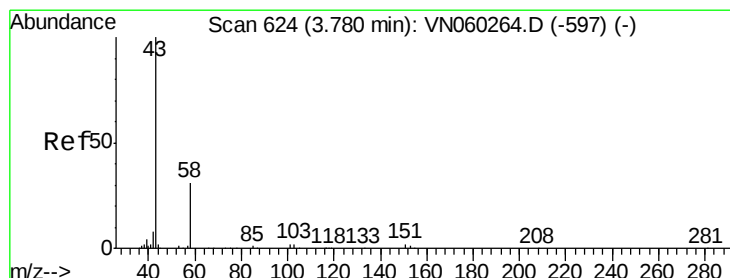
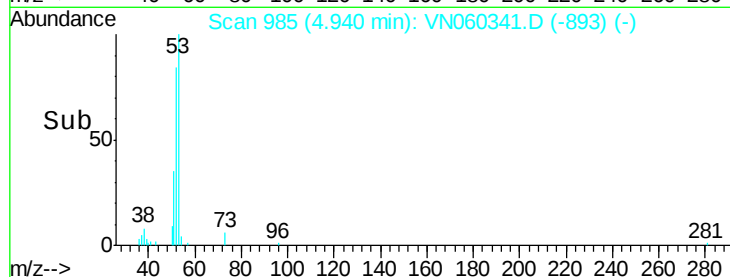
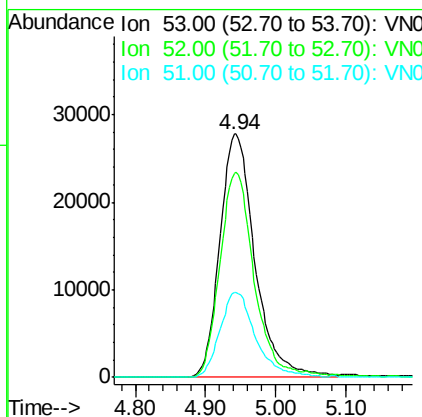
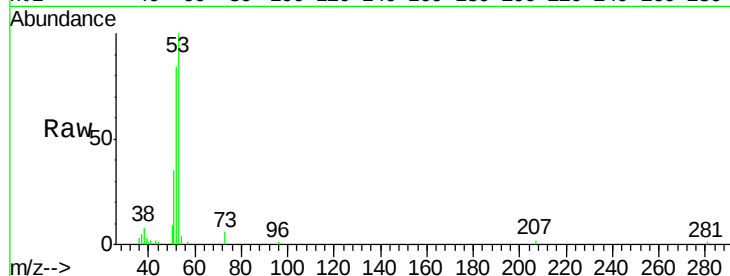
#15
 Acrylonitrile
 Concen: 98.432 ug/l
 RT: 4.94 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0304WBSD01

Tot Ion:	53	Resp:	96674
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.8	100.2
51	35.6	29.0	43.6

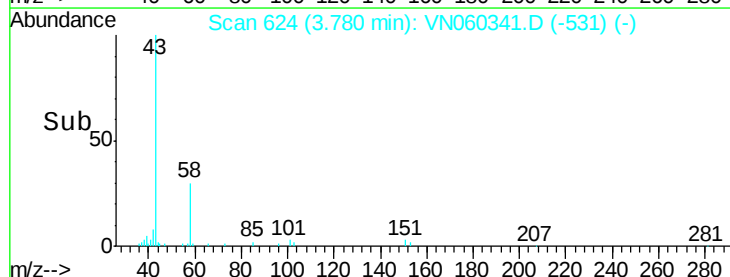
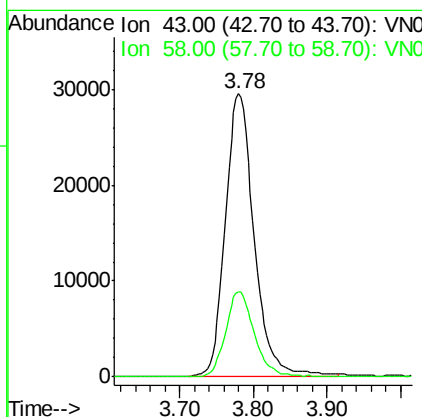
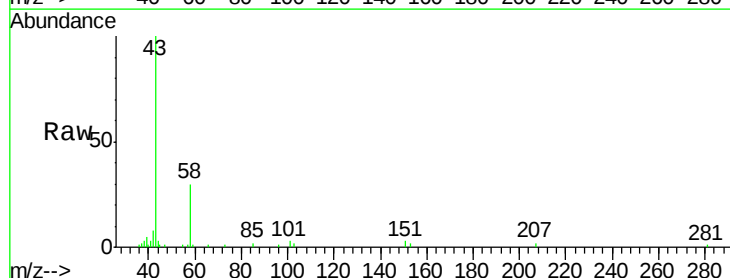
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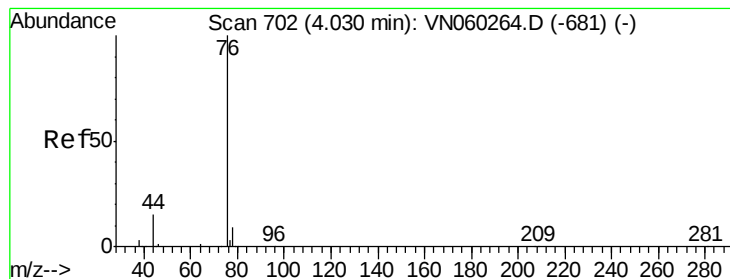
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#16
 Acetone
 Concen: 99.389 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion:	43	Resp:	80541
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.6	36.8





#17

Carbon Disulfide

Concen: 16.720 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 76 Resp: 85714

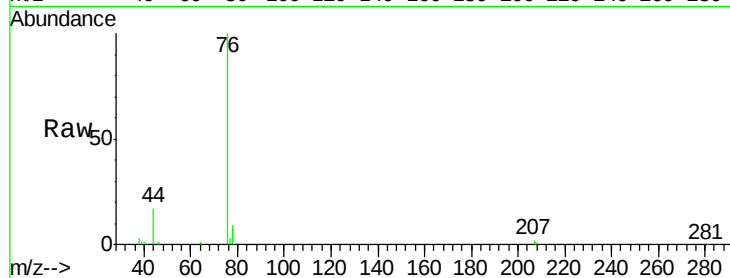
Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

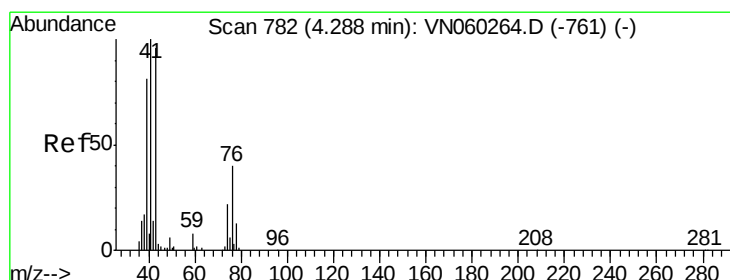
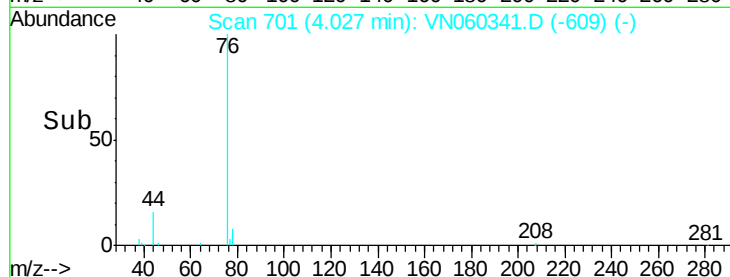
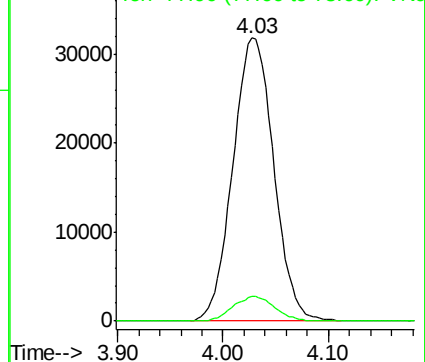
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 18.212 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060341.D

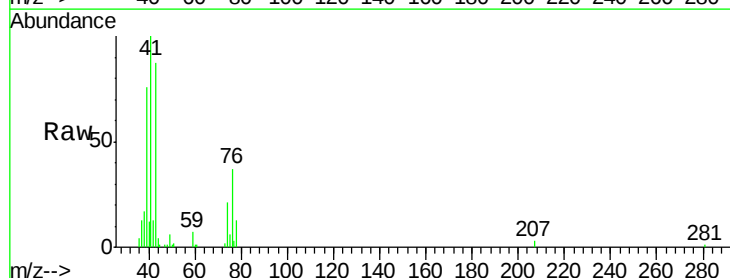
Acq: 4 Mar 2020 12:04

Tgt Ion: 43 Resp: 49252

Ion Ratio Lower Upper

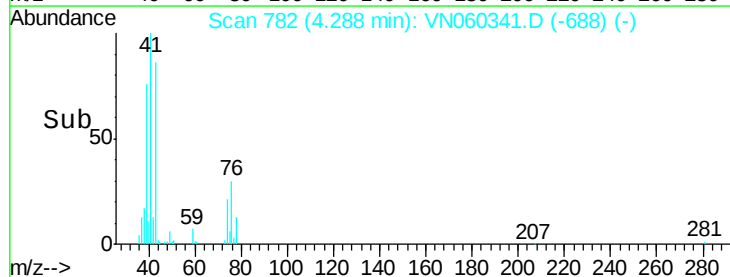
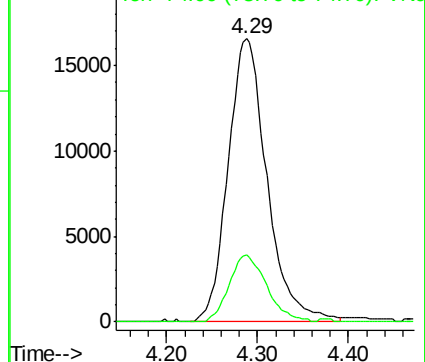
43 100

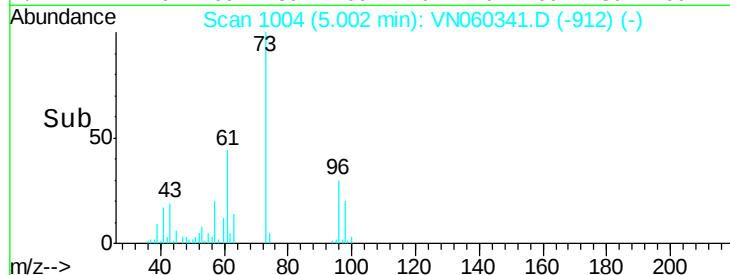
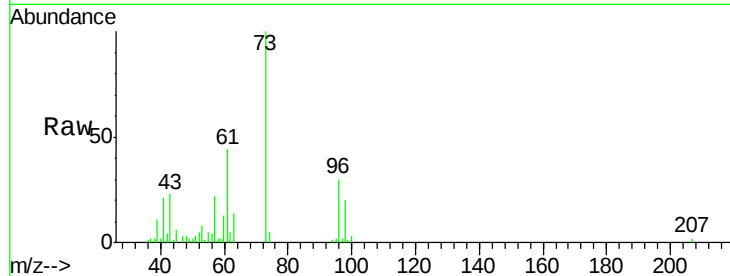
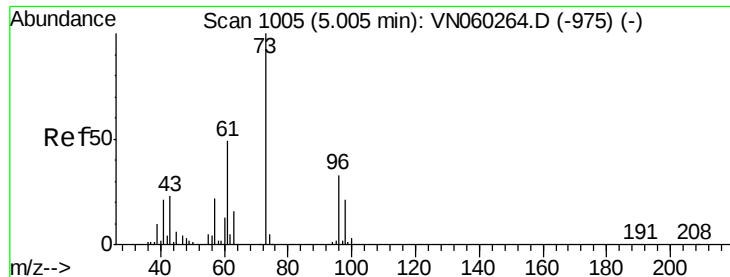
74 22.8 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





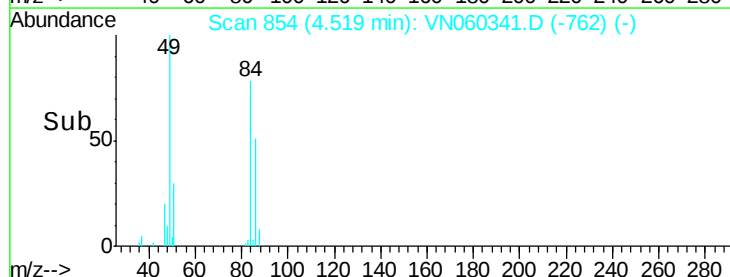
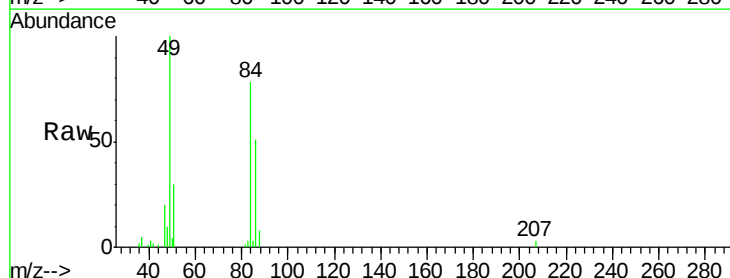
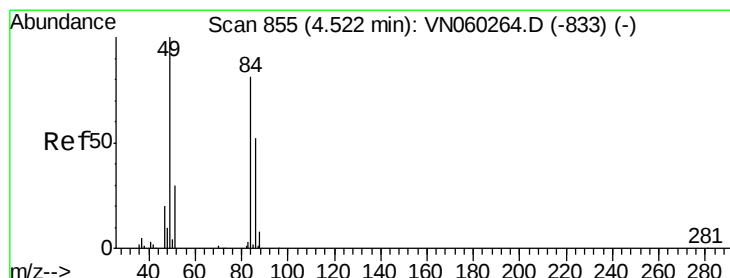
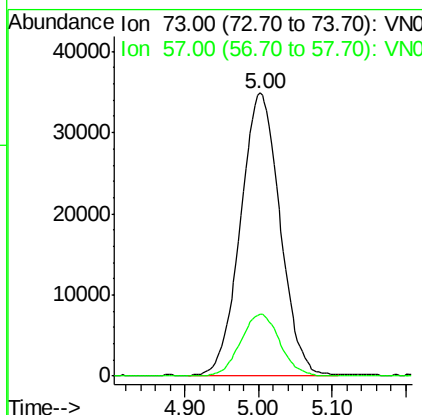
#19
Methvl tert-butvl Ether
Concen: 19.148 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tot Ion	73	Resp	130631
Ion Ratio	Lower	Upper	
73	100		
57	22.0	17.3	25.9

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

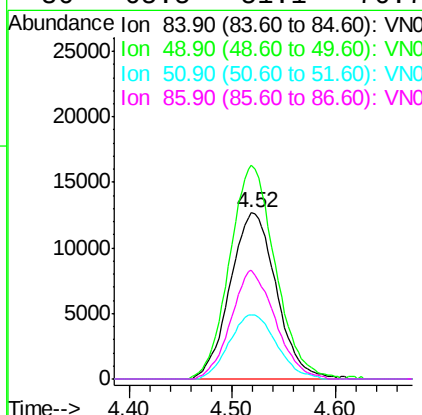
Manual Integrations
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#20
Methylene Chloride
Concen: 17.809 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	84	Resp	39634
Ion Ratio	Lower	Upper	
84	100		
49	128.6	99.3	148.9
51	38.8	30.1	45.1
86	65.5	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 17.725 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

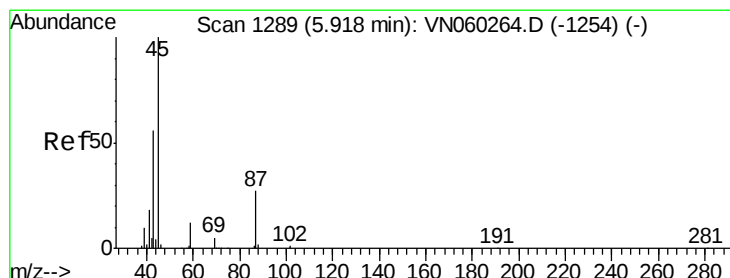
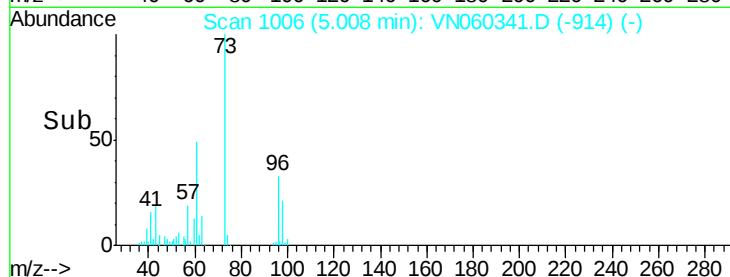
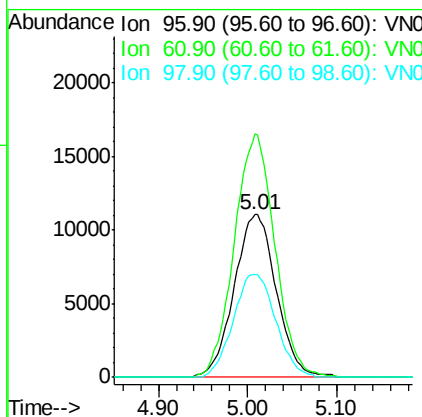
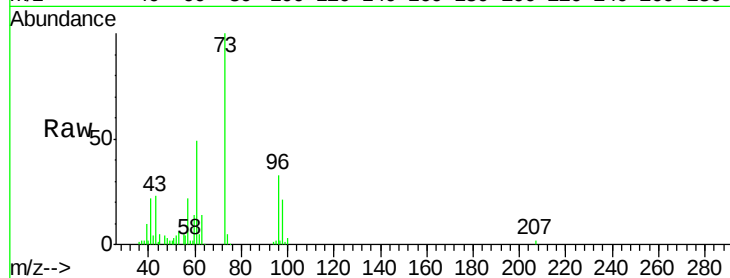
ClientSampleId :

VN0304WBSD01

Tot Ion:	96	Resp:	36339
Ion	Ratio	Lower	Upper
96	100		
61	149.5	113.8	170.8
98	63.3	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.101 ug/l

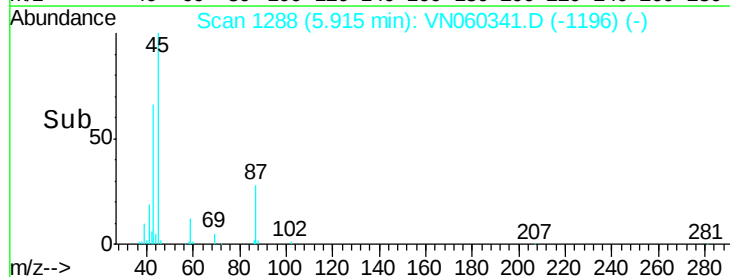
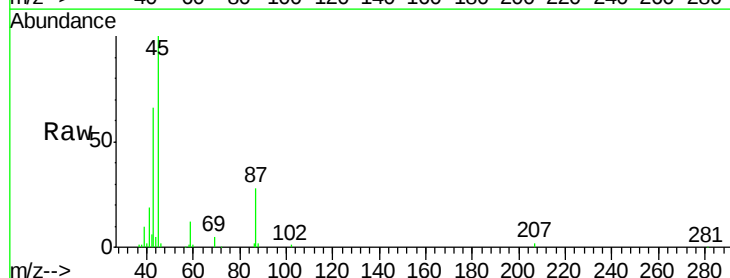
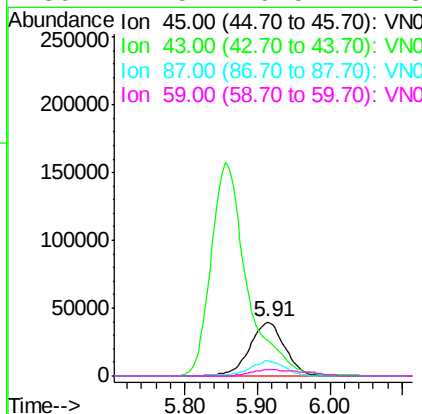
RT: 5.91 min Scan# 1288

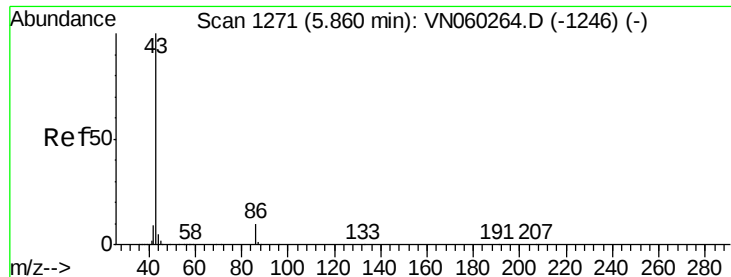
Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Tgt Ion:	45	Resp:	134046
Ion	Ratio	Lower	Upper
45	100		
43	64.5	48.6	72.8
87	27.7	22.2	33.2
59	12.5	9.5	14.3





#23

Vinyl Acetate

Concen: 96.554 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 43 Resp: 538436

Ion Ratio Lower Upper

43 100

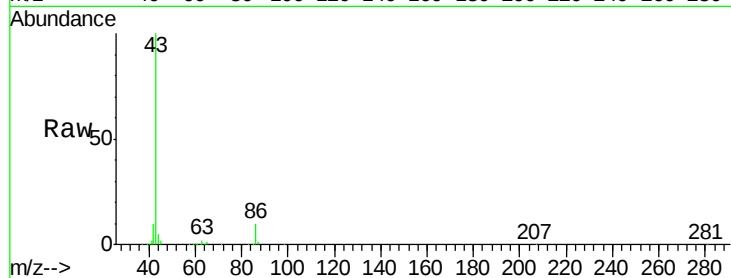
86 9.6 8.0 12.0

Manual Integrations

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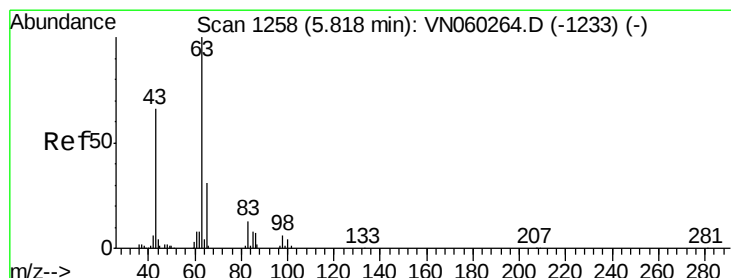
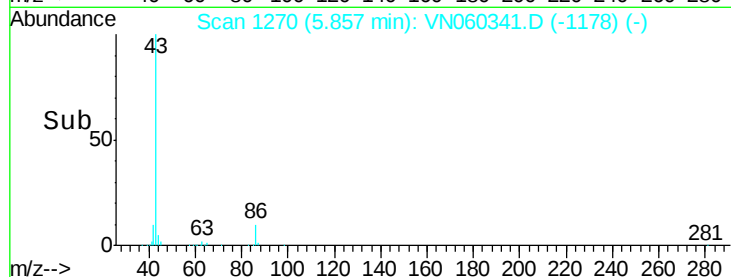
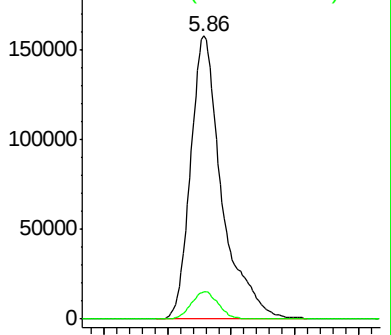
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.236 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

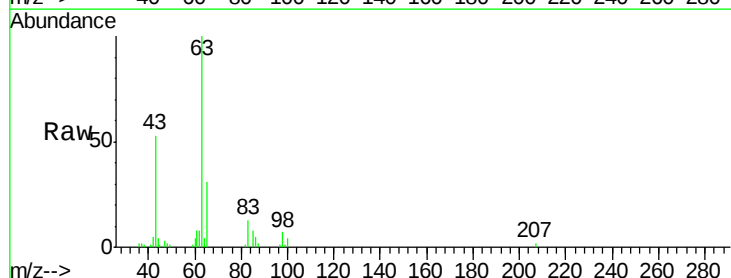
Tgt Ion: 63 Resp: 72444

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.0

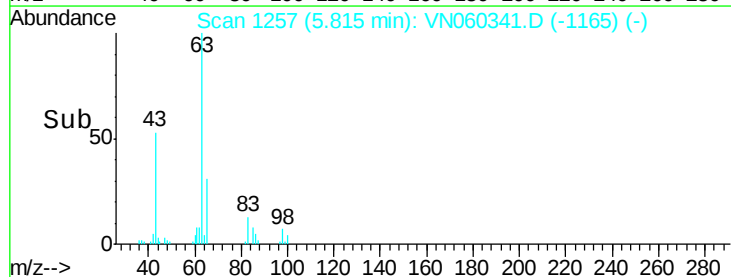
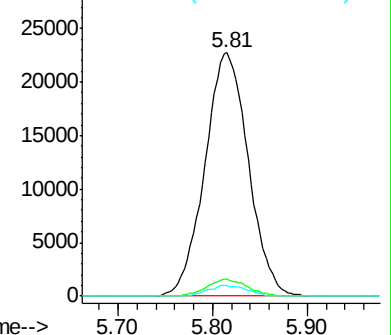
100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 99.991 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 43 Resp: 130881

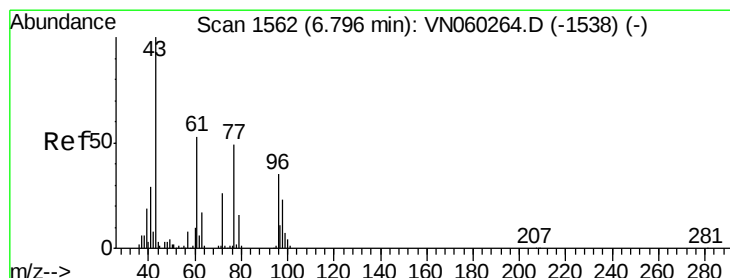
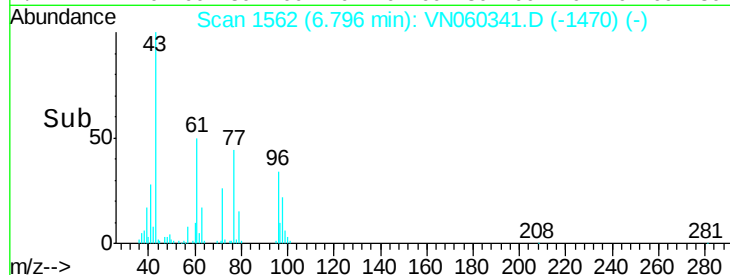
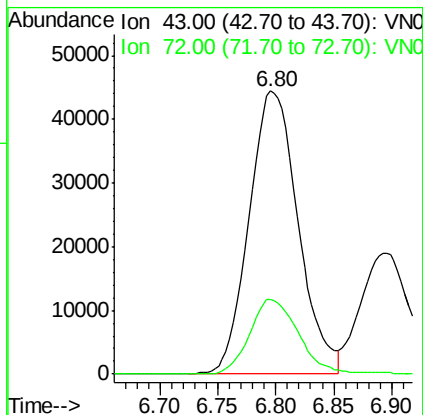
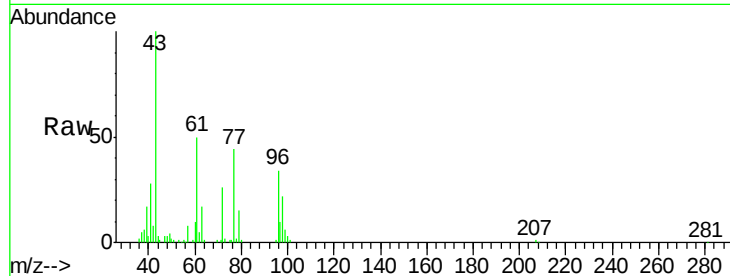
Ion Ratio Lower Upper

43 100

72 26.5 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 17.560 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060341.D

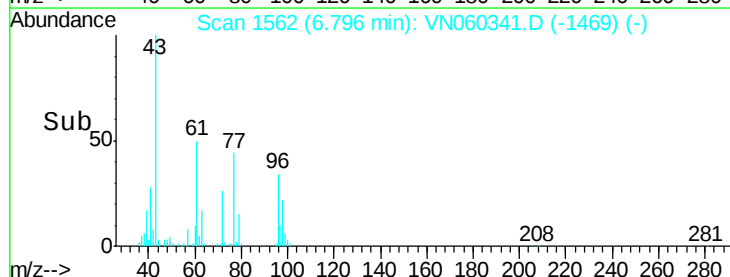
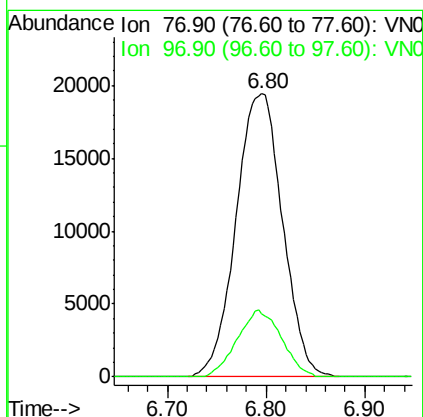
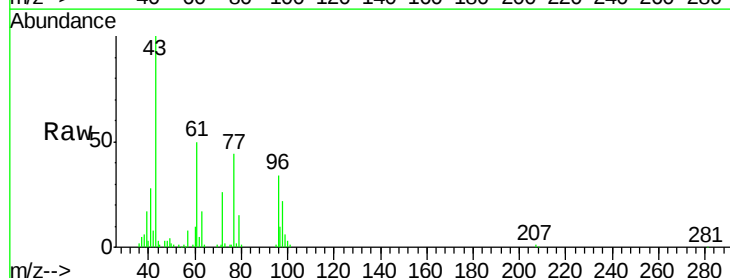
Acq: 4 Mar 2020 12:04

Tgt Ion: 77 Resp: 63506

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.394 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

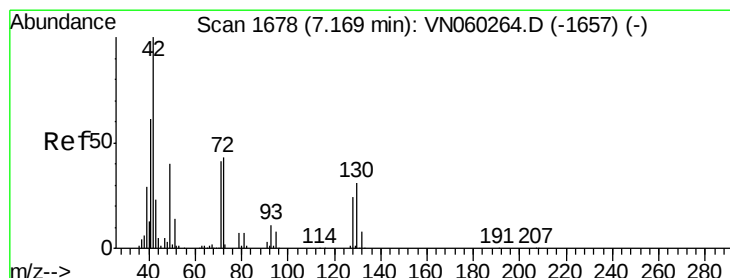
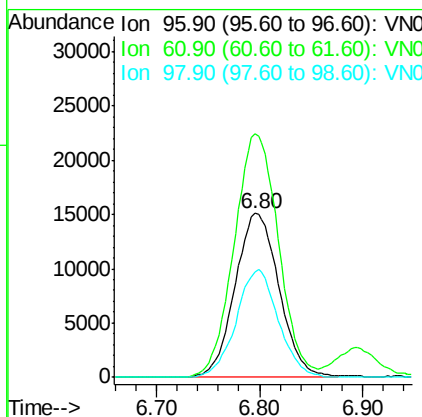
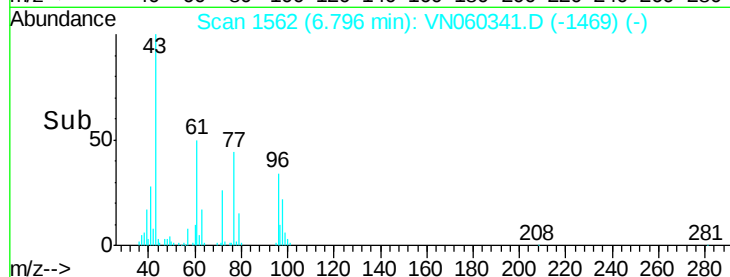
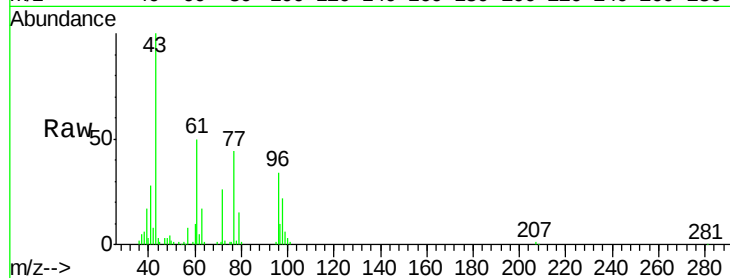
ClientSampleId :

VN0304WBSD01

Tot Ion:	96	Resp:	44887
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	300.8
98	62.7	0.0	128.2

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#28

Bromochloromethane

Concen: 18.988 ug/l

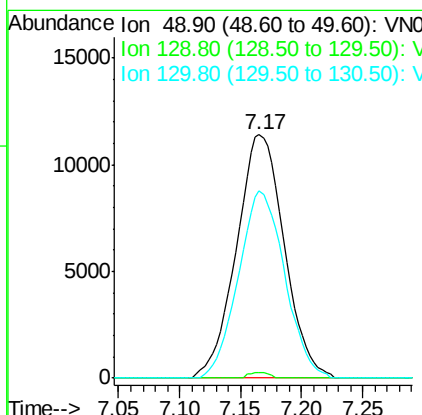
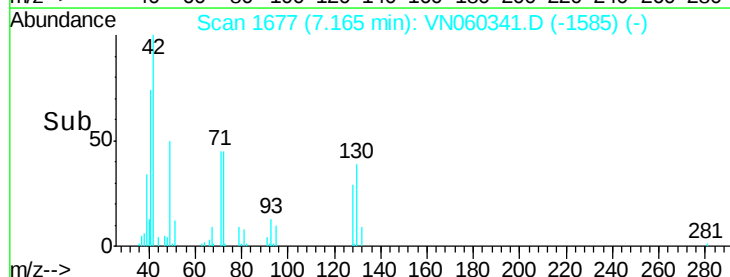
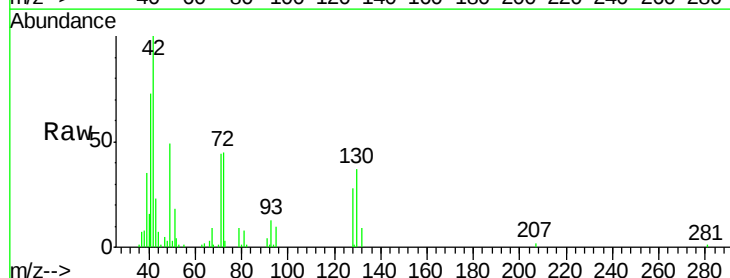
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Tgt Ion:	49	Resp:	30970
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	74.3	59.8	89.8





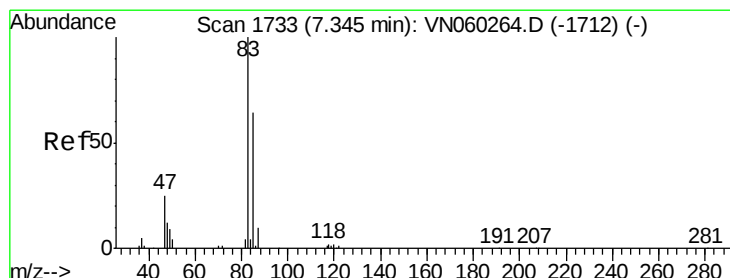
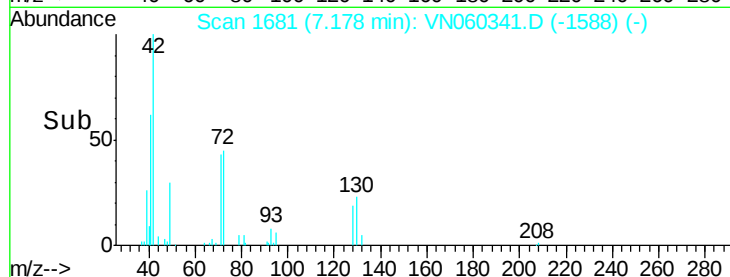
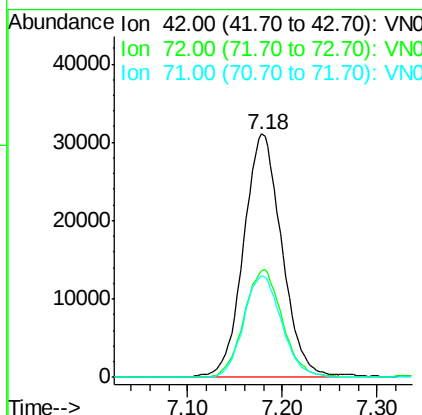
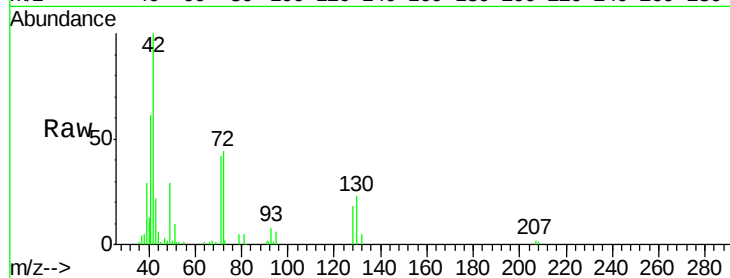
#29
Tetrahydrofuran
Concen: 96.066 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.6	52.0
71	41.0	32.9	49.3

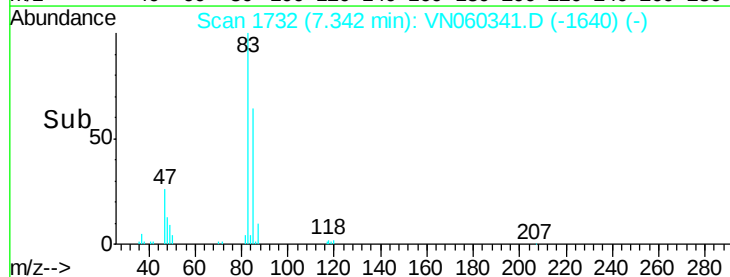
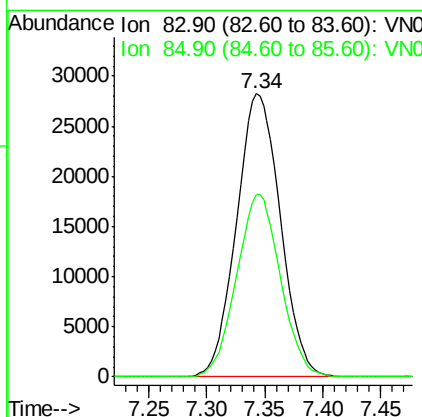
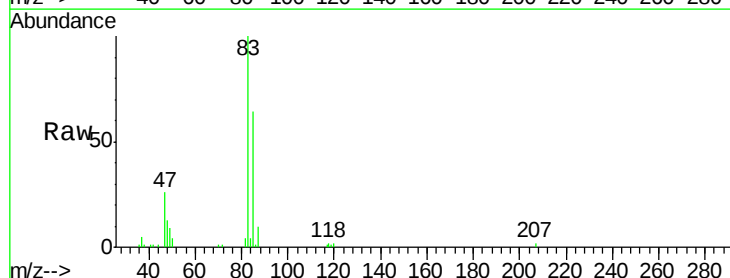
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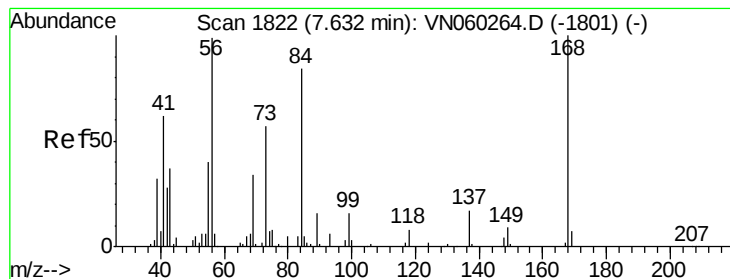
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#30
Chloroform
Concen: 18.768 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





#31

Cyclohexane

Concen: 18.033 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 56 Resp: 64039

Ion Ratio Lower Upper

56 100

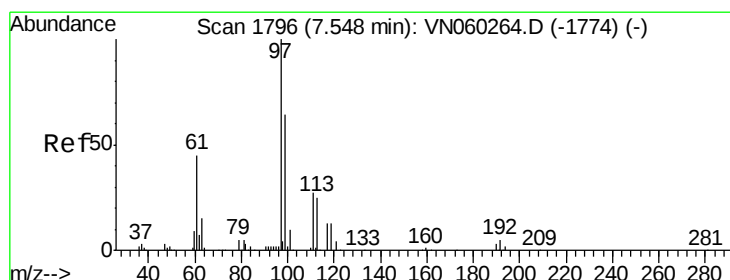
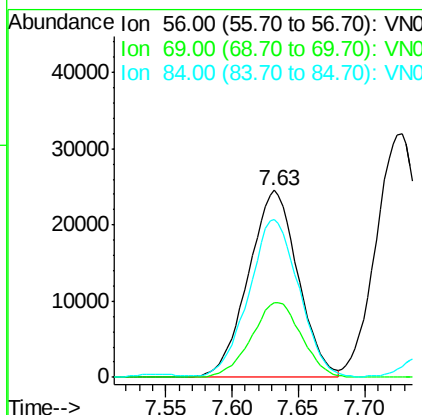
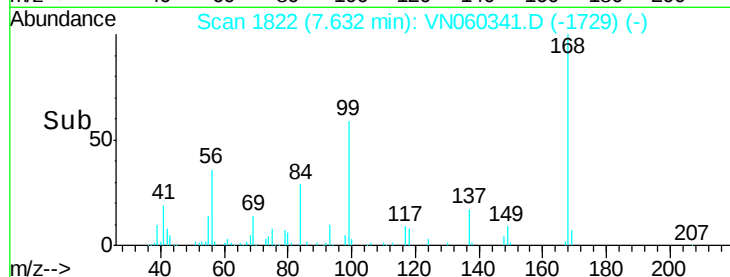
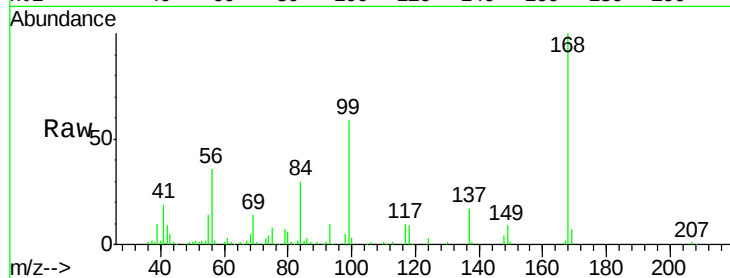
69 39.7 27.2 40.8

84 83.6 66.7 100.1

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#32

1,1,1-Trichloroethane

Concen: 18.106 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

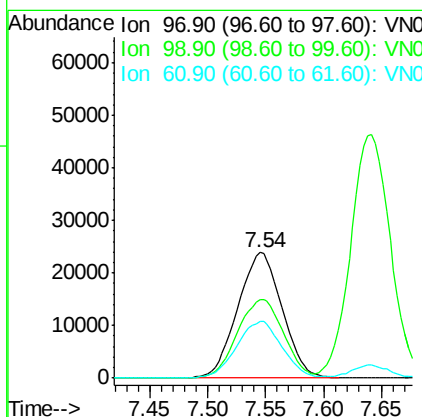
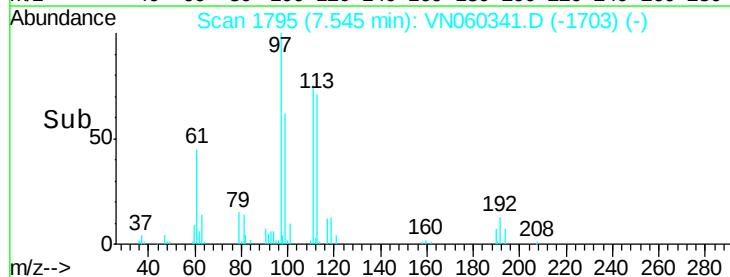
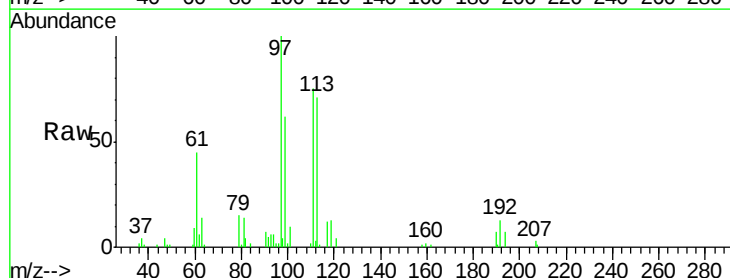
Tgt Ion: 97 Resp: 63440

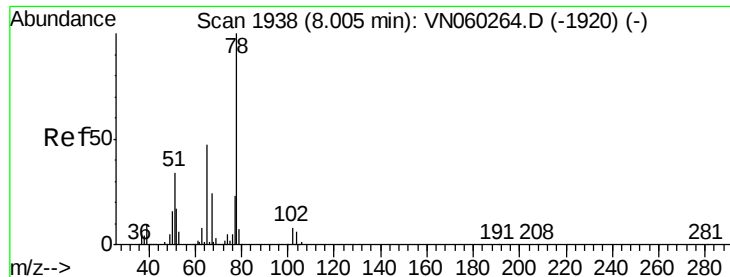
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 46.2 36.6 55.0





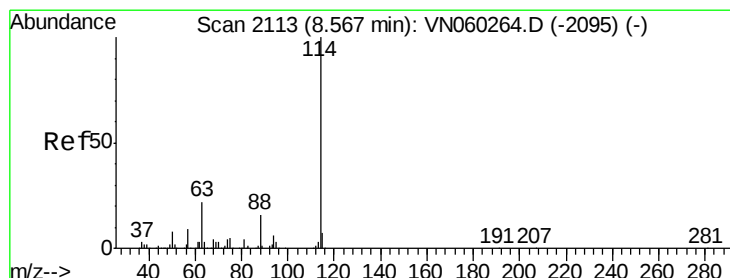
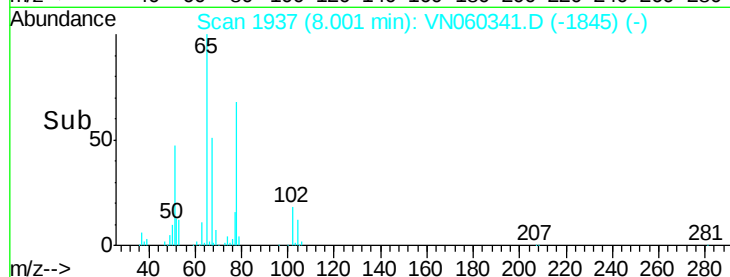
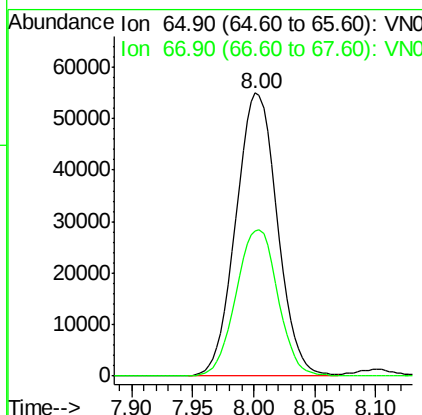
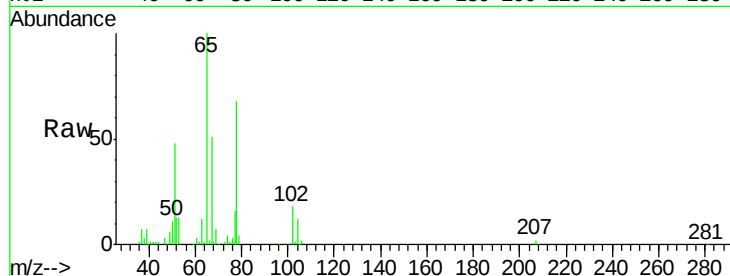
#33
 1,2-Dichloroethane-d4
 Concen: 51.606 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	103.8	

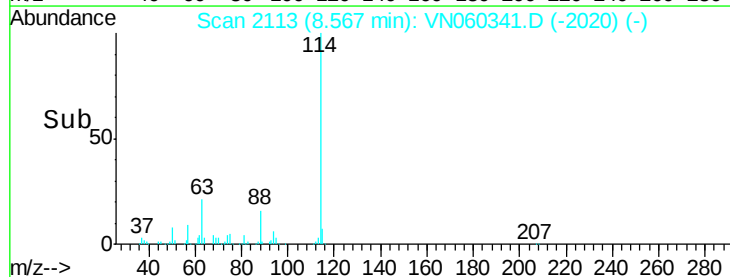
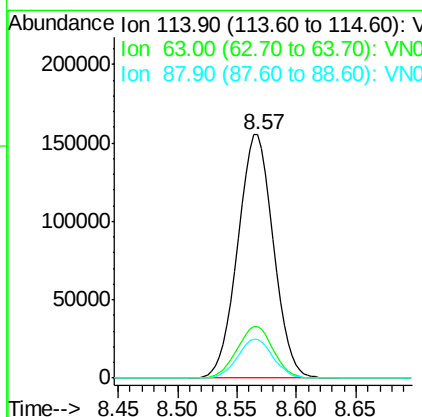
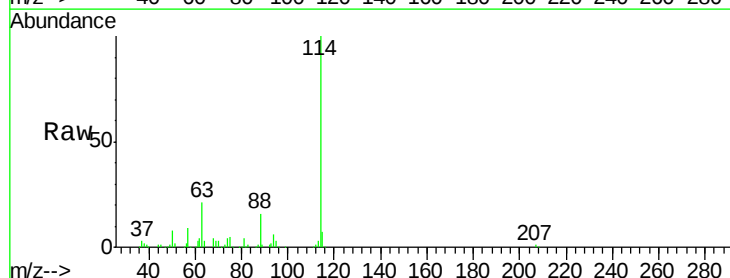
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

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





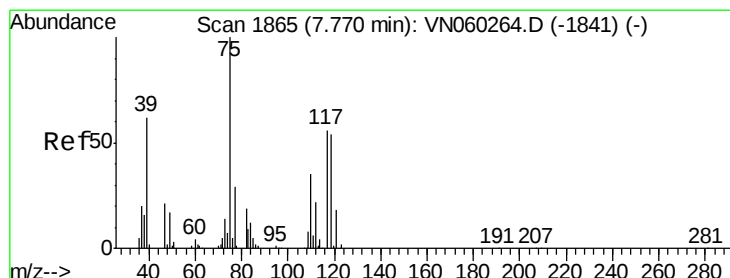
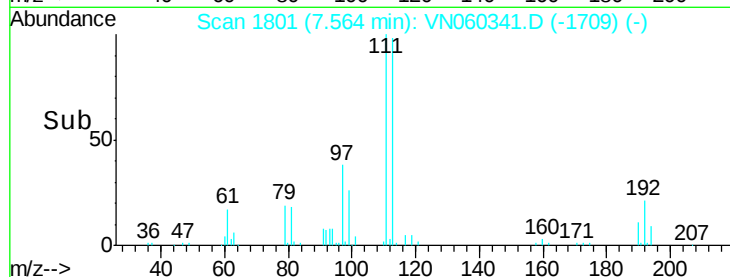
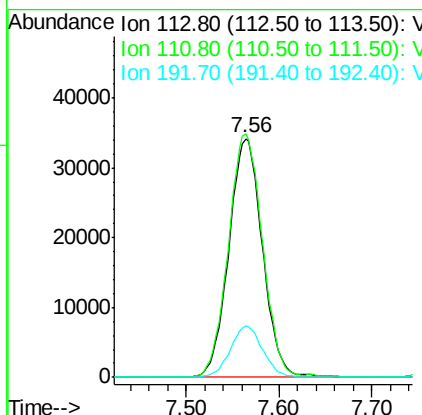
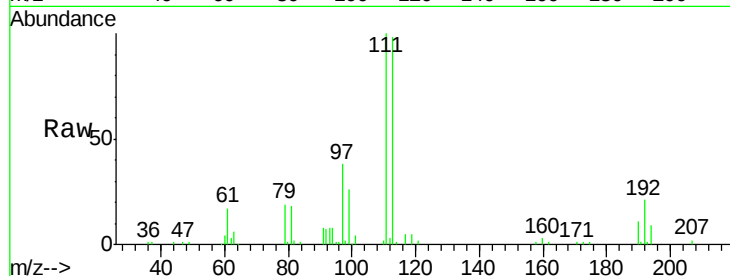
#35
 Dibromofluoromethane
 Concen: 57.297 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	20.7	16.2	24.2

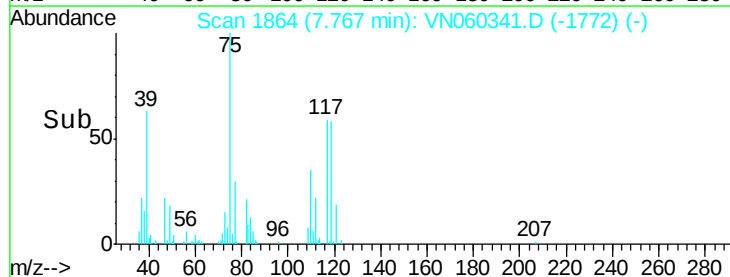
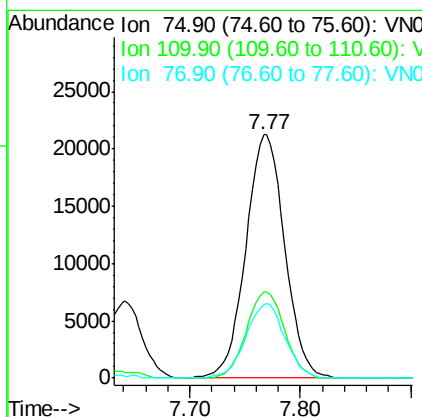
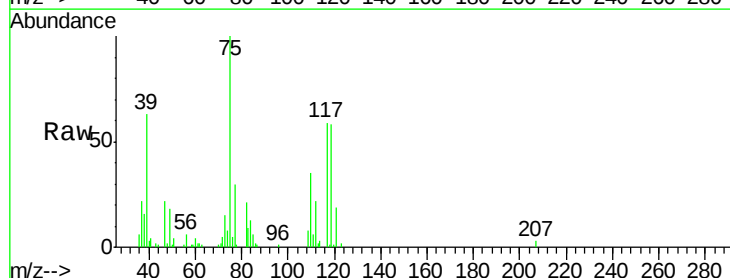
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 16.831 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.3	52.0
77	30.9	24.2	36.2





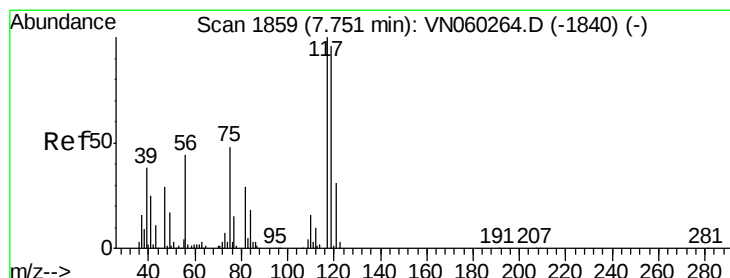
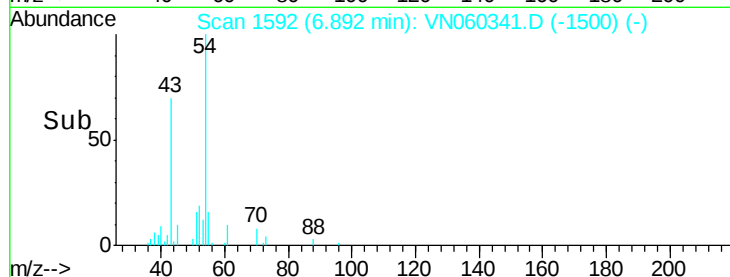
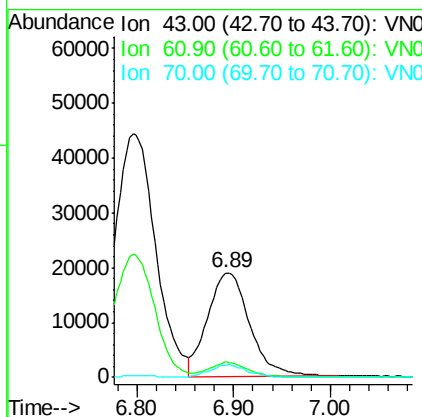
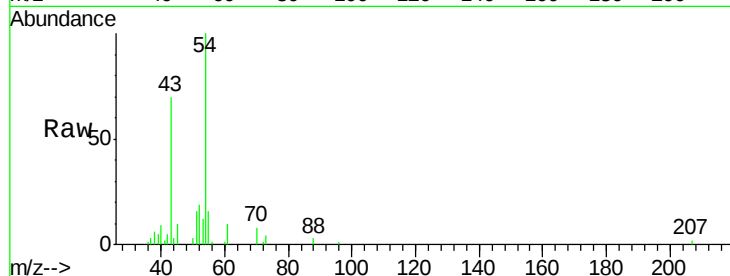
#37
Ethyl Acetate
Concen: 19.598 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.1	16.7
70	10.7	8.4	12.6

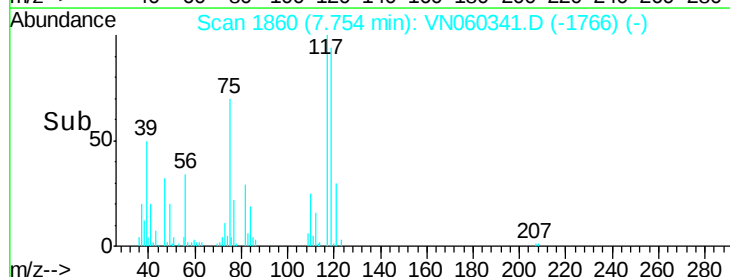
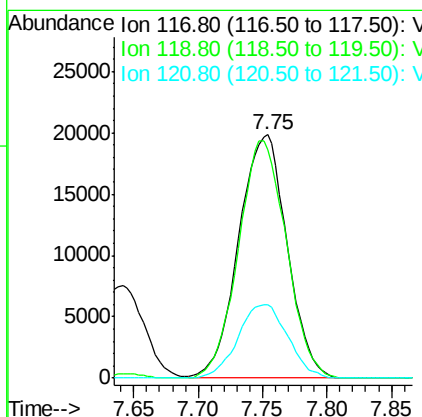
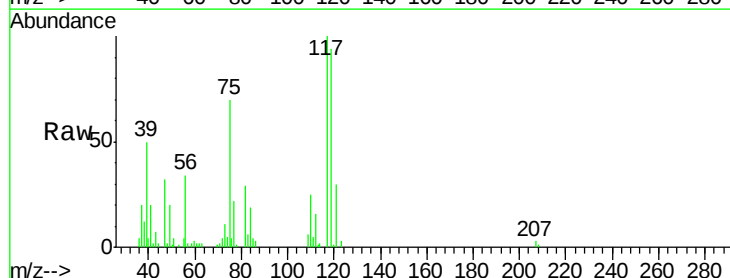
Manual Integrations
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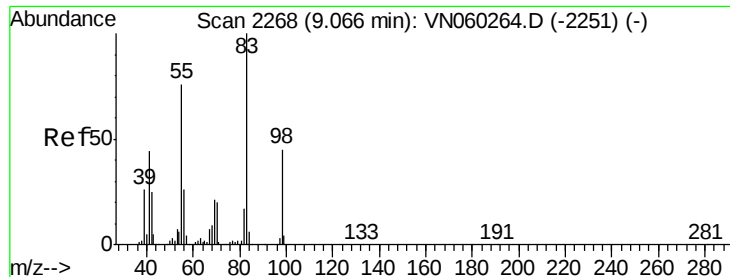
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#38
Carbon Tetrachloride
Concen: 17.325 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.7	115.1
121	30.3	24.5	36.7





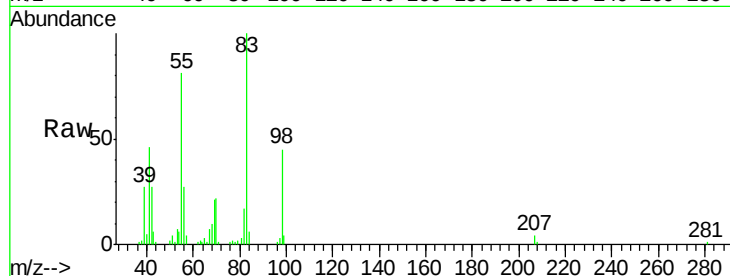
#39
Methvlcvclohexane
Concen: 16.901 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

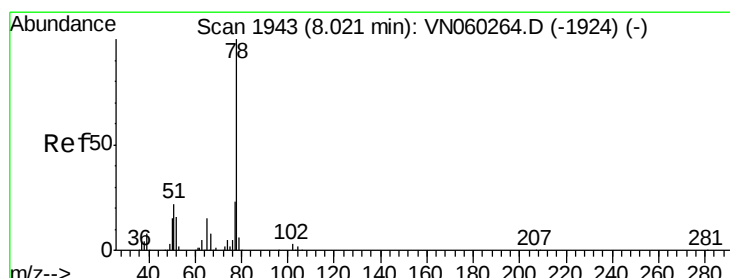
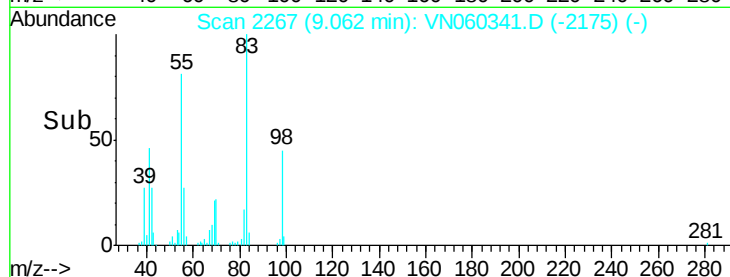
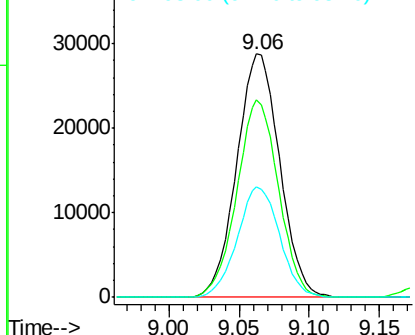
Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.0	91.4
98	45.3	36.1	54.1

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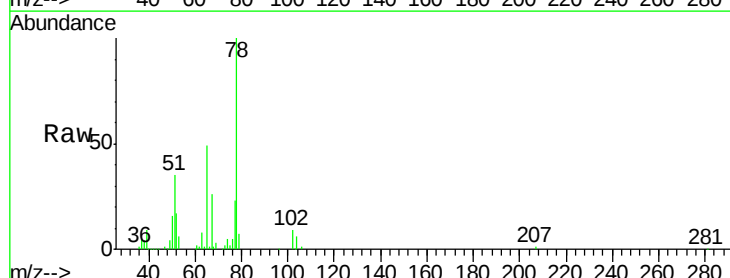


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

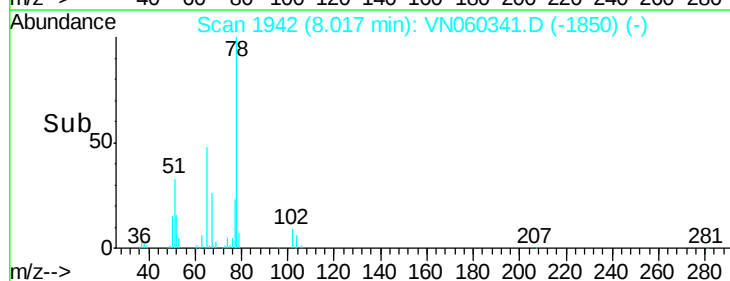
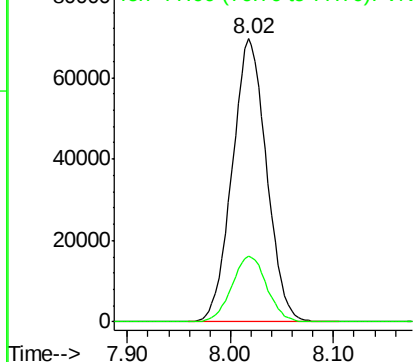


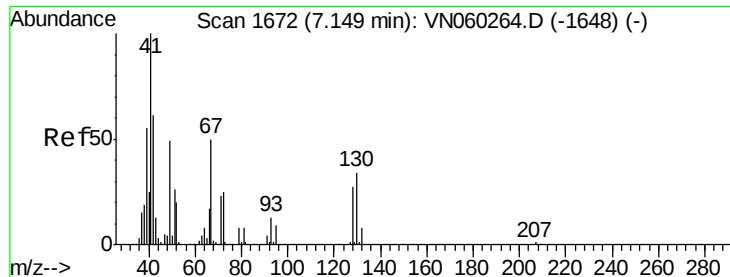
#40
Benzene
Concen: 17.962 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 16.721 ug/l m

RT: 7.14 min Scan# 1668

Delta R.T. -0.01 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 41 Resp: 22486

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

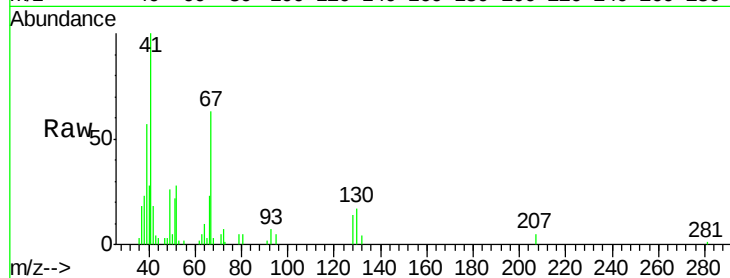
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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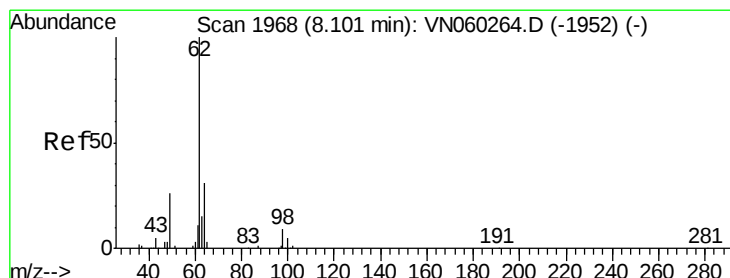
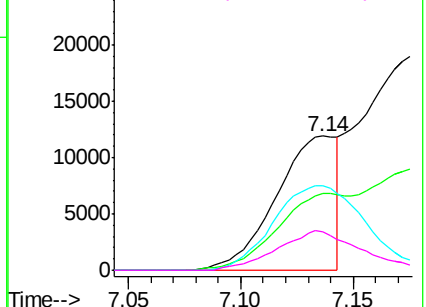
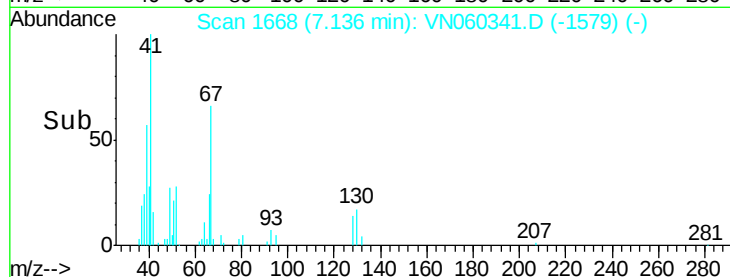


Abundance Ion 41.00 (40.70 to 41.70): VN060341.D (-1648) (-)

Ion 39.00 (38.70 to 39.70): VN060341.D (-1648) (-)

Ion 67.00 (66.70 to 67.70): VN060341.D (-1648) (-)

Ion 52.00 (51.70 to 52.70): VN060341.D (-1648) (-)



#42

1,2-Dichloroethane

Concen: 18.669 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN060341.D

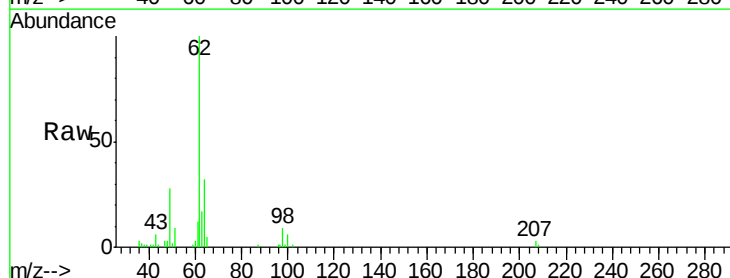
Acq: 4 Mar 2020 12:04

Tgt Ion: 62 Resp: 60309

Ion Ratio Lower Upper

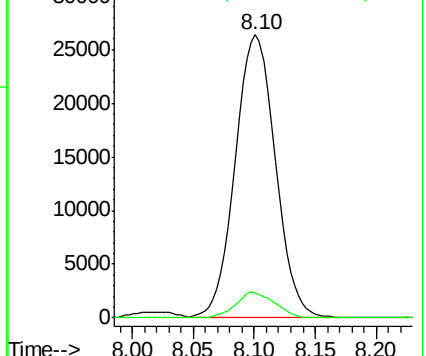
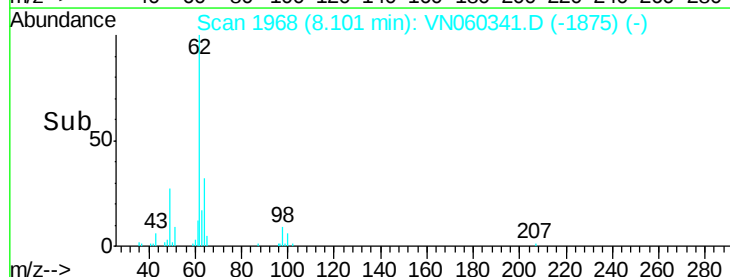
62 100

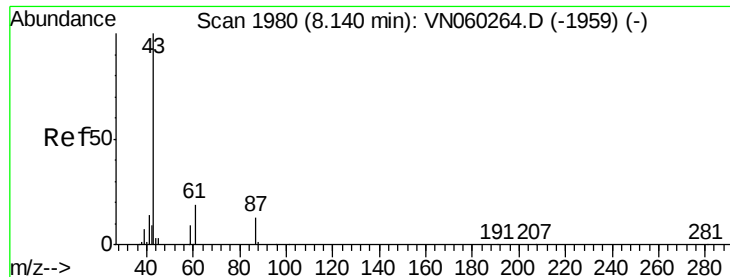
98 8.8 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VN060341.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN060341.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 19.266 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

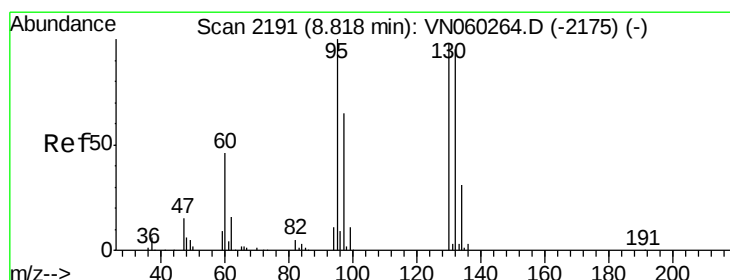
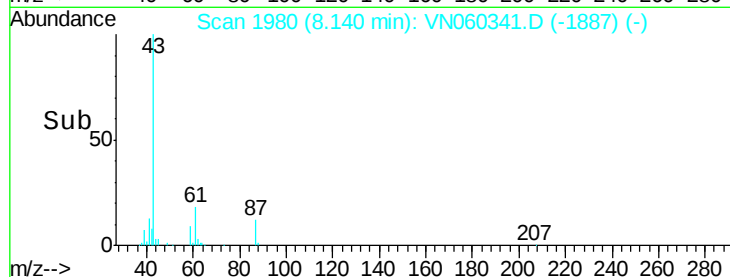
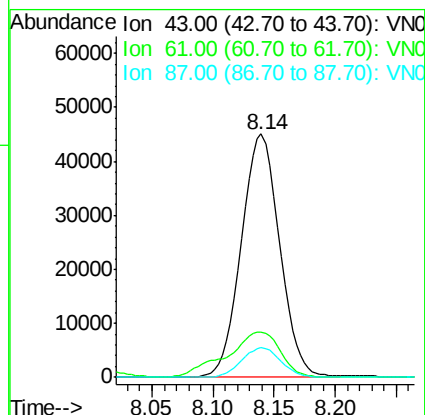
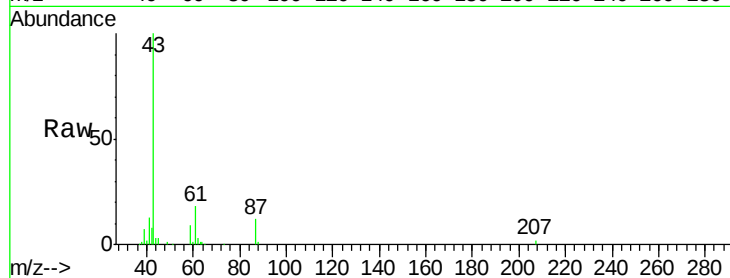
ClientSampleId :

VN0304WBSD01

Tot Ion:	43	Resp:	98227
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	12.5	10.6	16.0

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#44

Trichloroethene

Concen: 17.710 ug/l

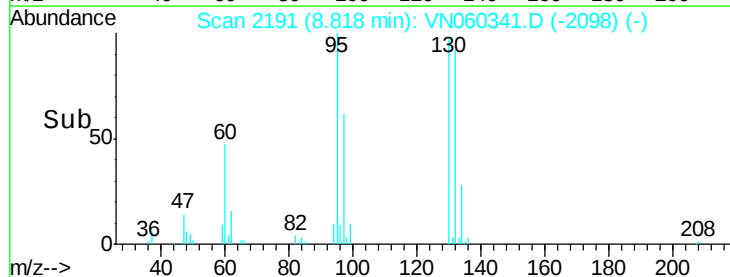
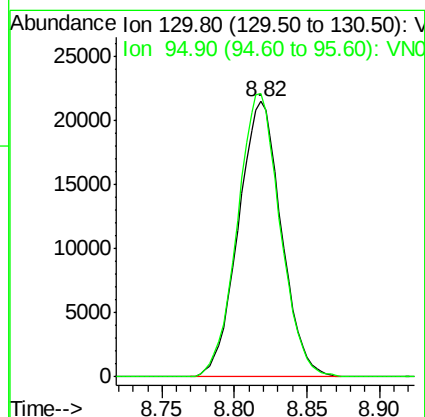
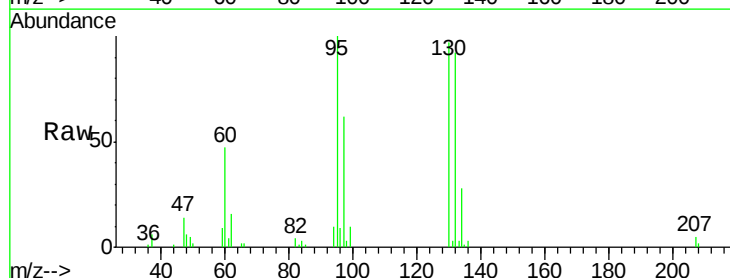
RT: 8.82 min Scan# 2191

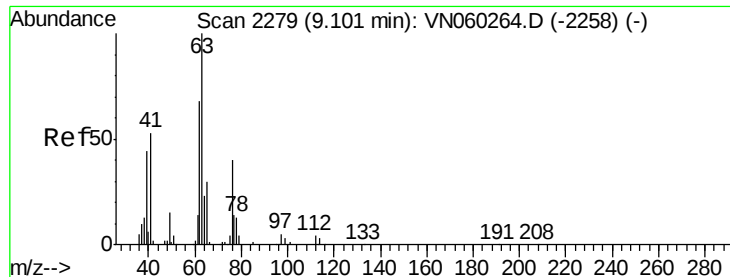
Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Tgt Ion:	130	Resp:	44156
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.4





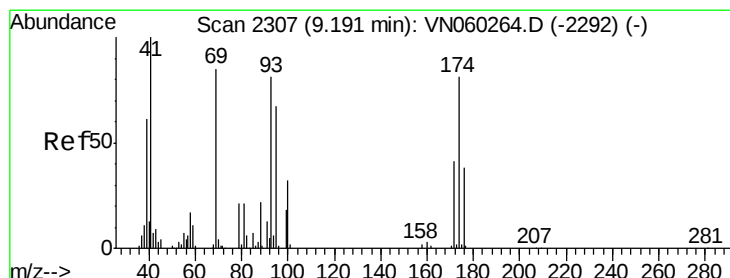
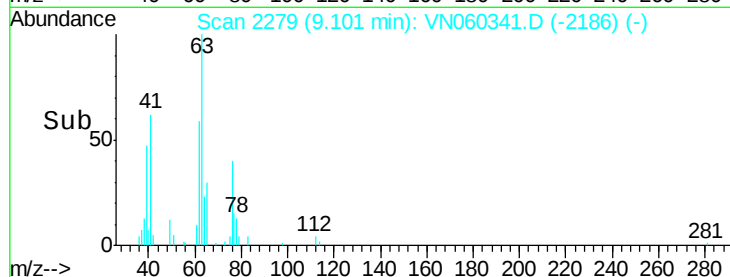
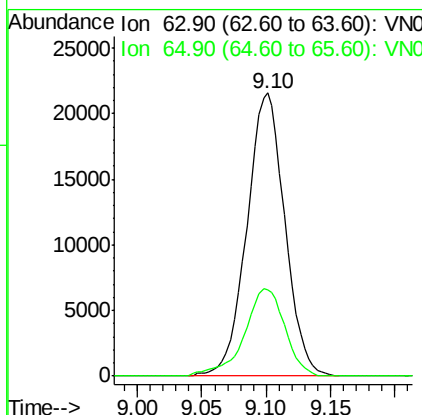
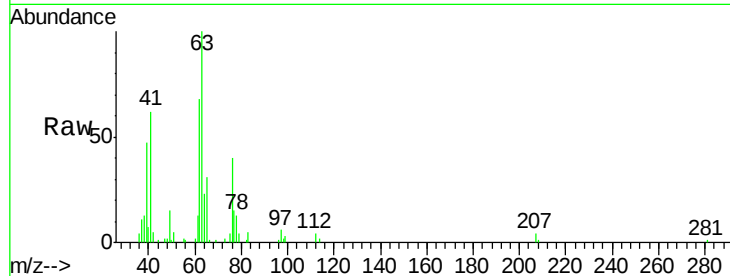
#45
 1,2-Dichloropropane
 Concen: 18.930 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.4	36.6

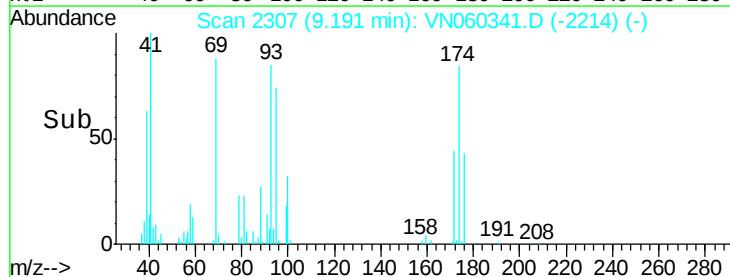
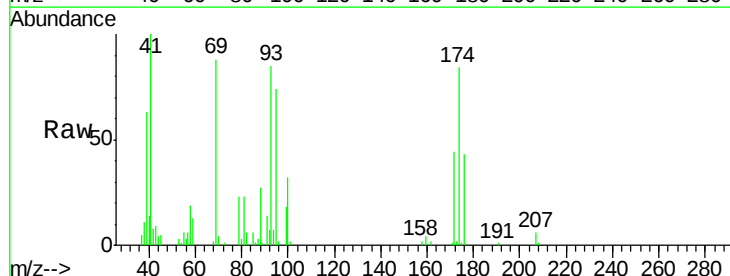
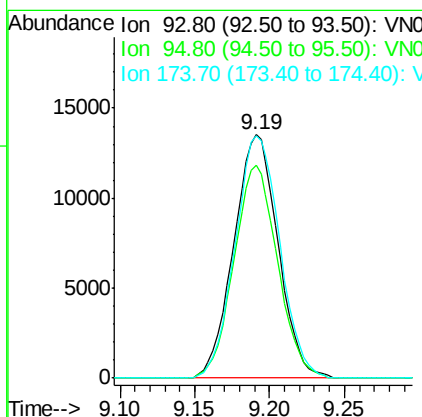
Manual Integrations
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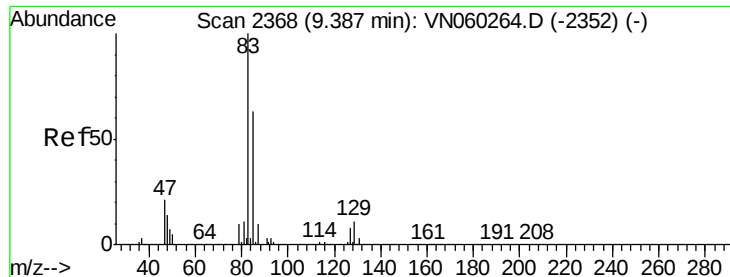
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#46
 Dibromomethane
 Concen: 18.345 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.0	65.9	98.9
174	100.2	79.6	119.4





#47

Bromodichloromethane

Concen: 18.553 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

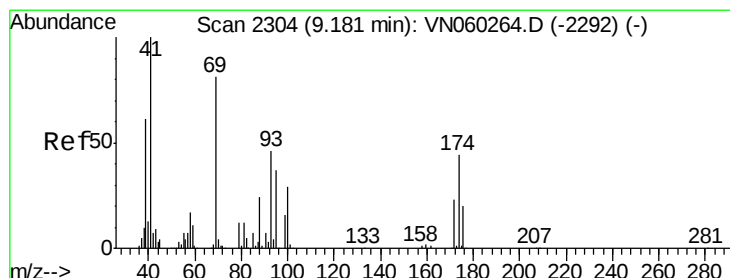
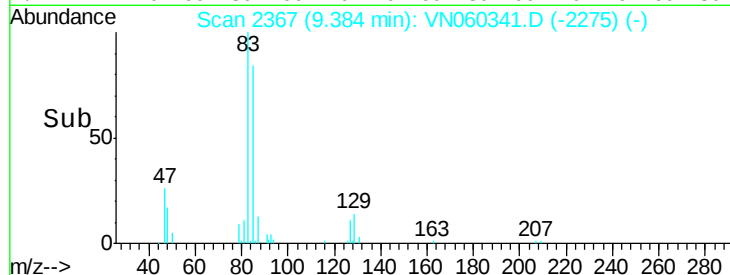
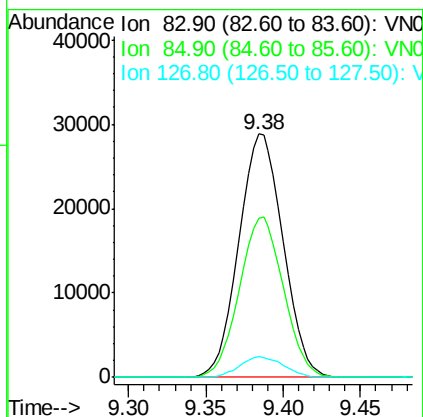
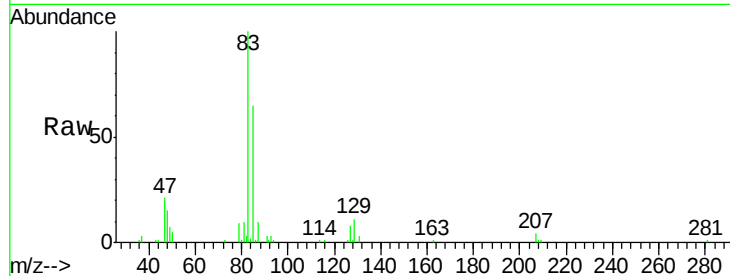
ClientSampleId :

VN0304WBSD01

Tot Ion:	83	Resp:	57307
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.7	76.1
127	8.3	6.8	10.2

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#48

Methyl methacrylate

Concen: 17.947 ug/l

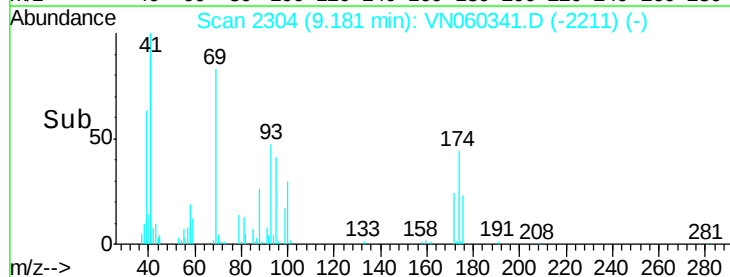
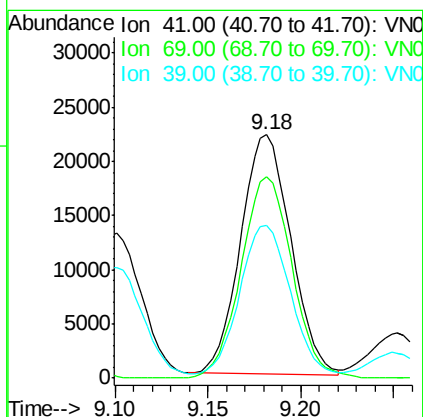
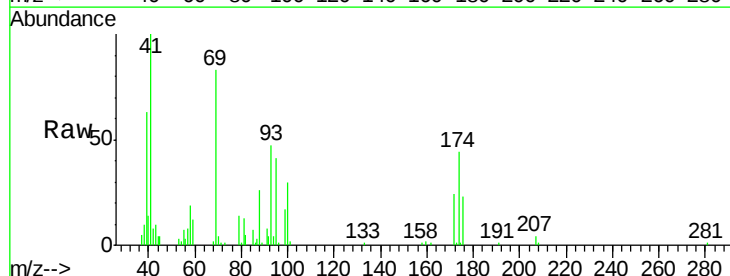
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Tgt Ion:	41	Resp:	41726
Ion	Ratio	Lower	Upper
41	100		
69	85.1	66.7	100.1
39	65.4	50.1	75.1





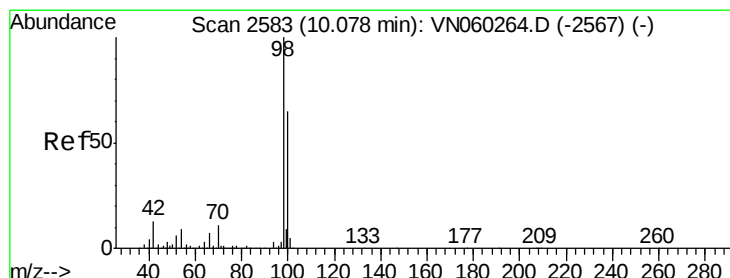
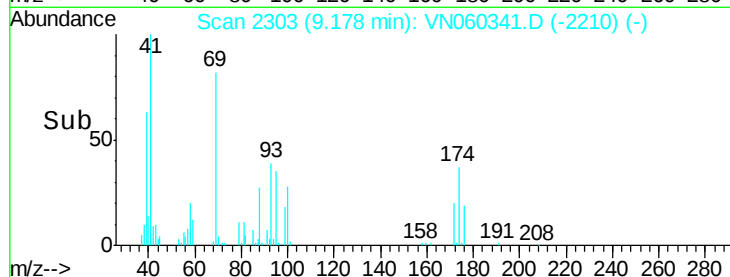
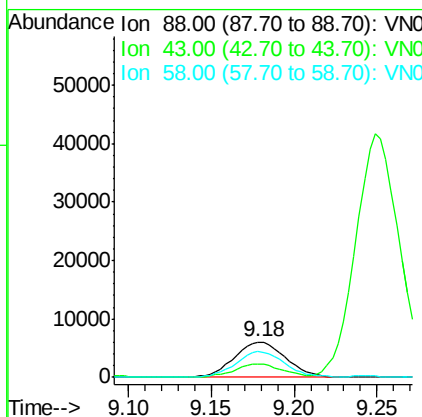
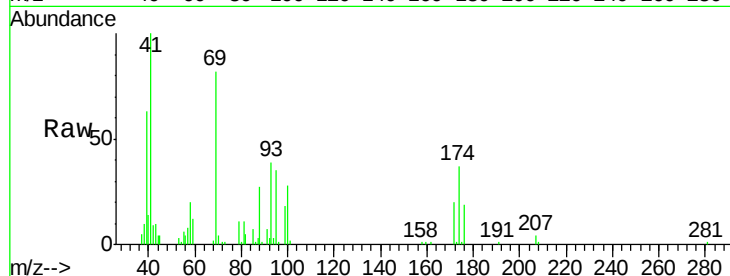
#49
1,4-Dioxane
Concen: 394.299 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	30.4	45.6
58	70.4	57.0	85.6

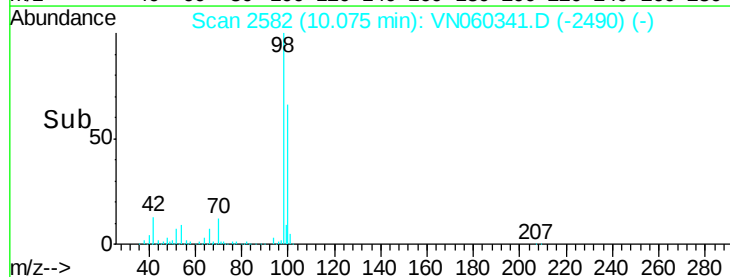
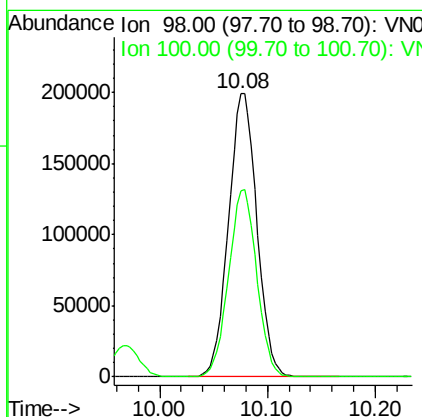
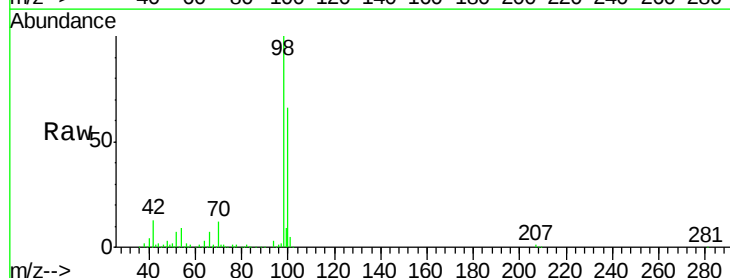
Manual Integrations
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#50
Toluene-d8
Concen: 48.258 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 97.448 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 43 Resp: 281703

Ion Ratio Lower Upper

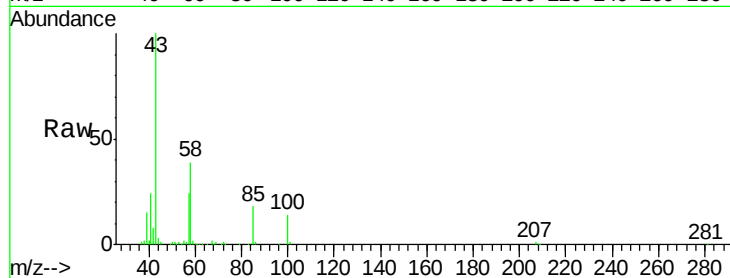
43 100

58 38.7 30.9 46.3

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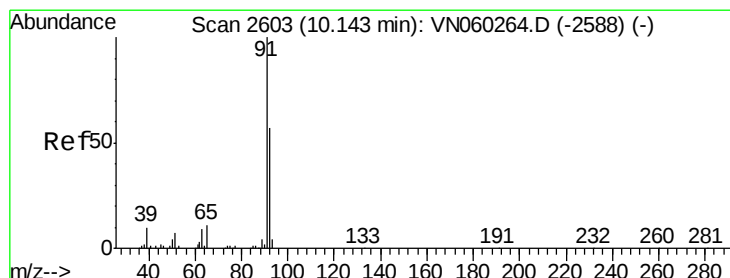
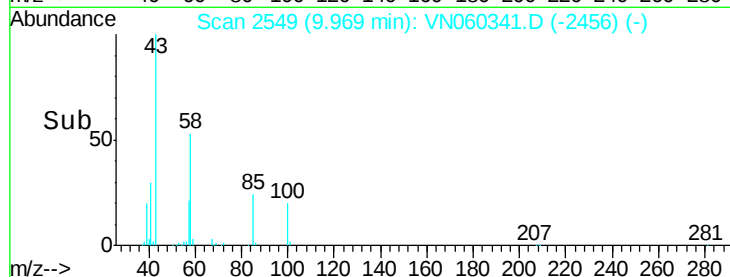
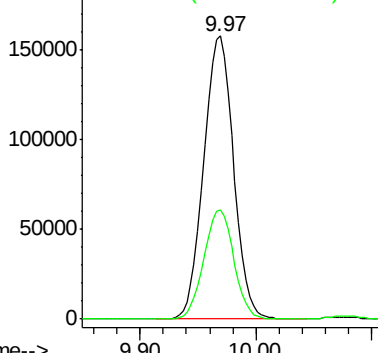
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.068 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060341.D

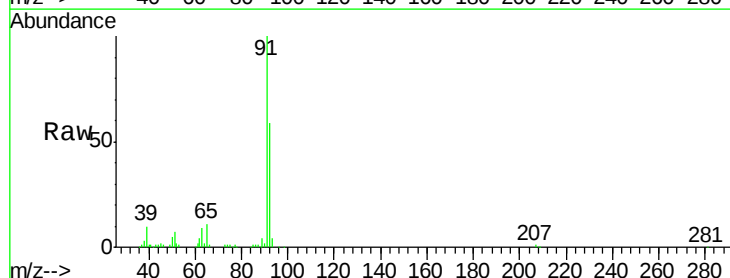
Acq: 4 Mar 2020 12:04

Tgt Ion: 92 Resp: 101606

Ion Ratio Lower Upper

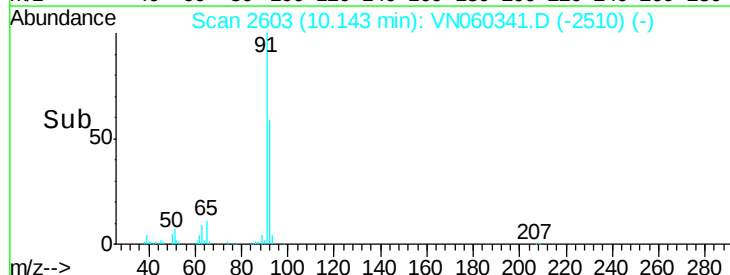
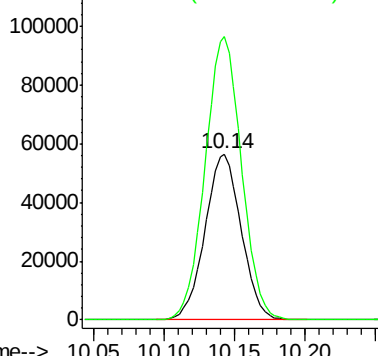
92 100

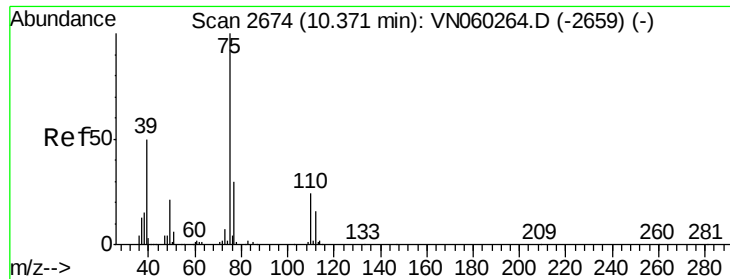
91 171.5 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





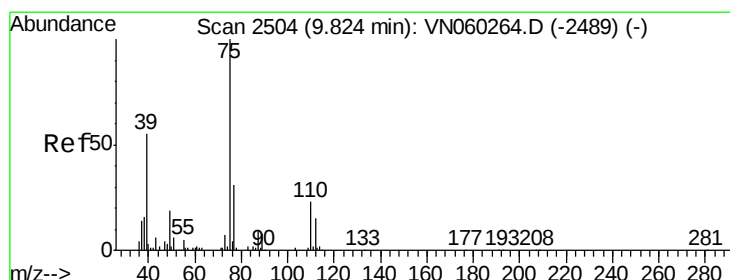
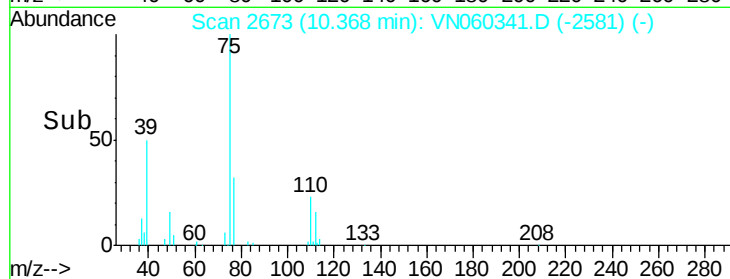
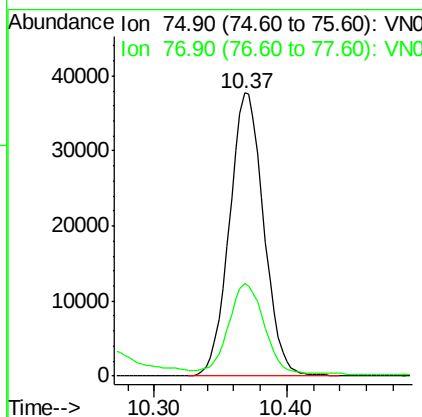
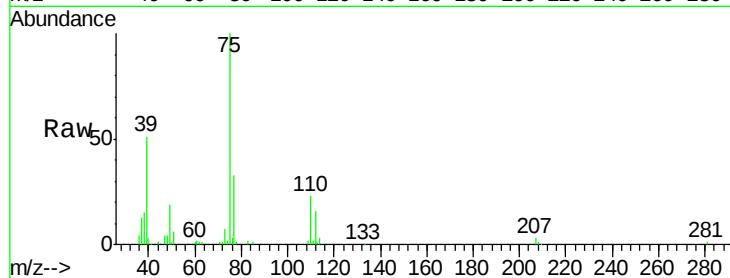
#53
t-1,3-Dichloropropene
Concen: 17.889 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion: 75 Resp: 67707
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2

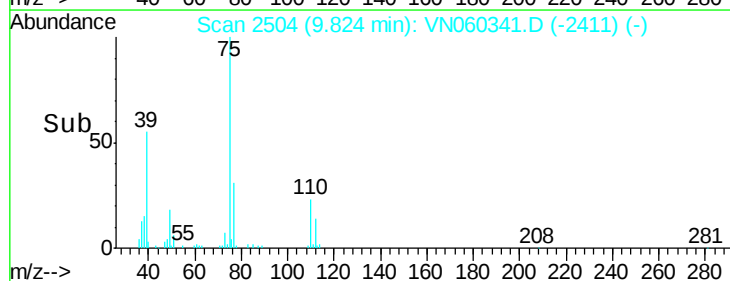
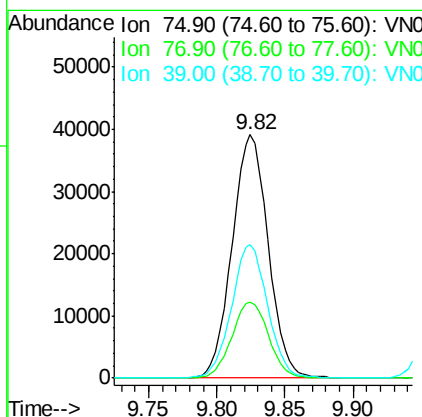
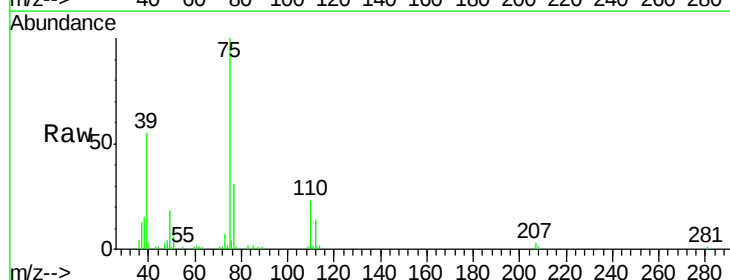
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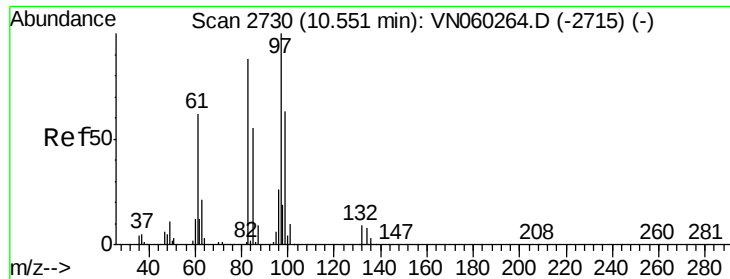
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#54
cis-1,3-Dichloropropene
Concen: 18.328 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion: 75 Resp: 71880
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 55.1 43.8 65.8





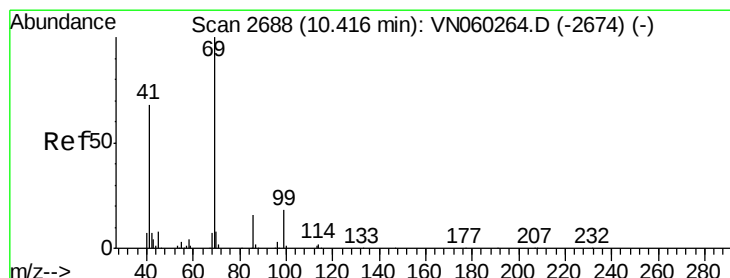
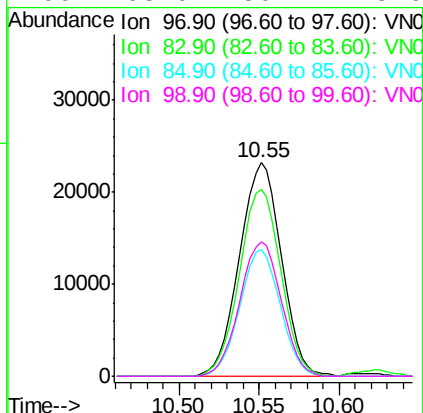
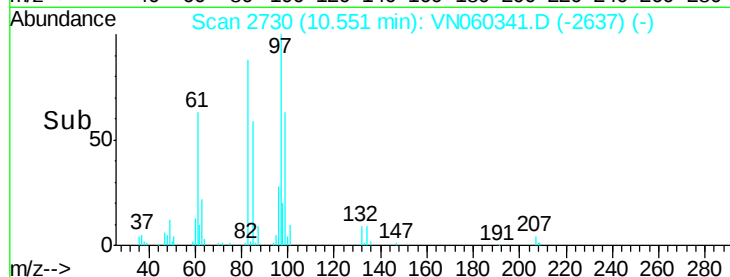
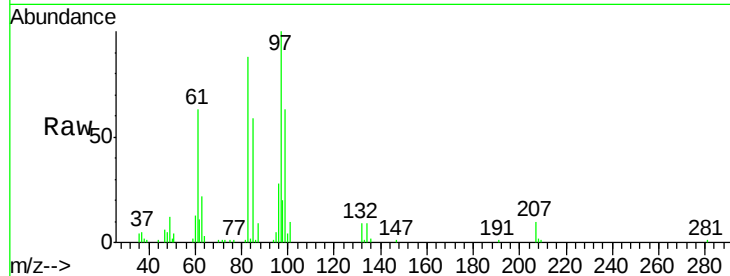
#55
 1,1,2-Trichloroethane
 Concen: 18.385 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.0	105.0
85	59.4	44.0	66.0
99	63.0	50.4	75.6

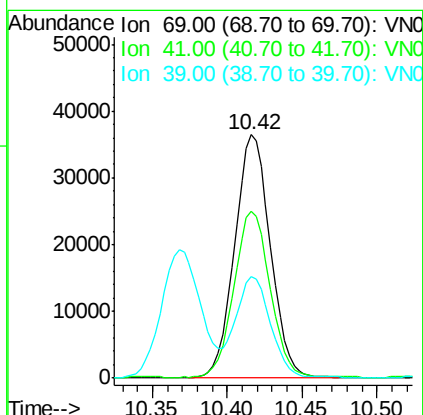
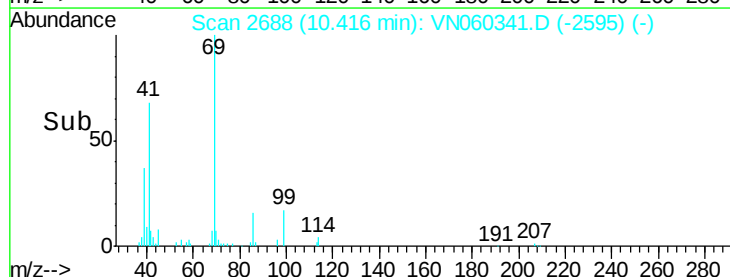
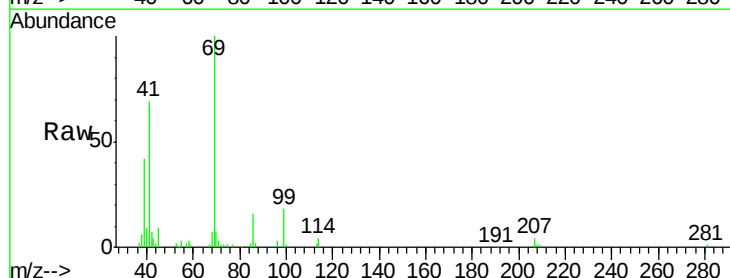
Manual Integrations
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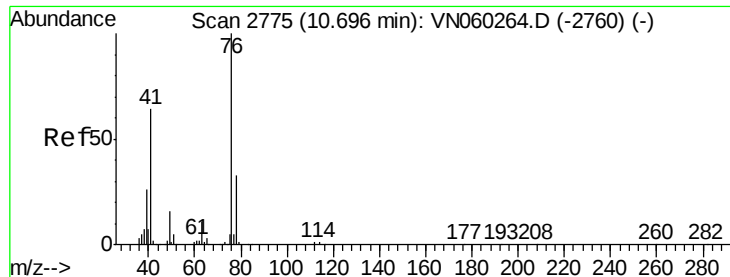
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#56
 Ethyl methacrylate
 Concen: 18.638 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.3	54.1	81.1
39	42.3	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.018 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 76 Resp: 70137

Ion Ratio Lower Upper

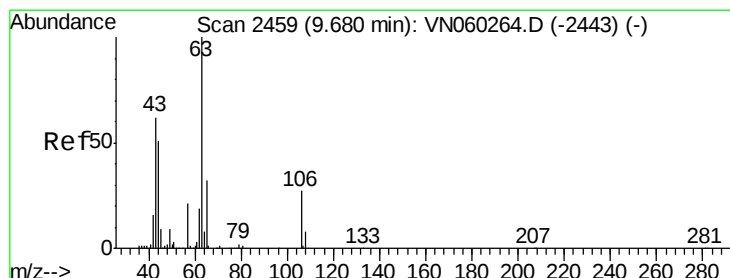
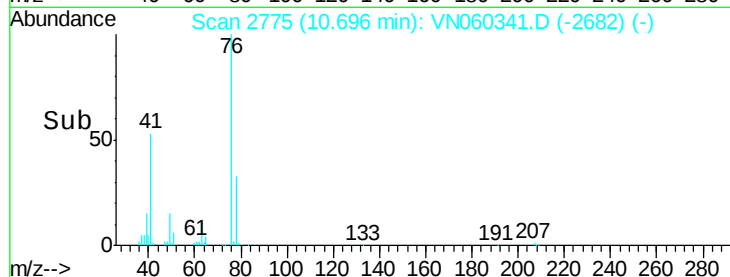
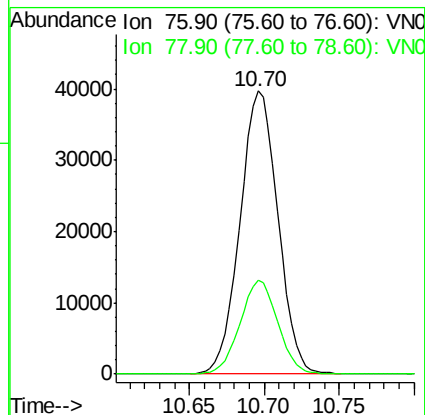
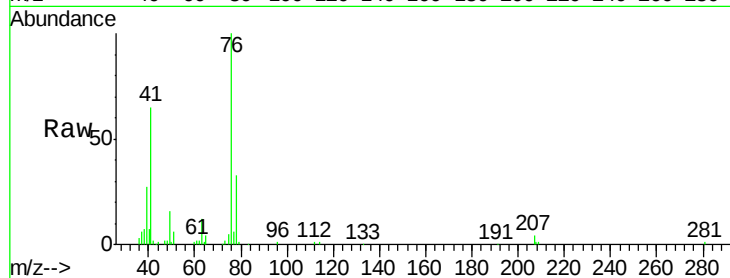
76 100

78 33.0 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 94.329 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060341.D

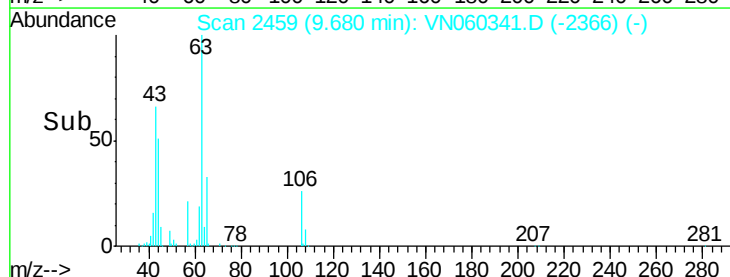
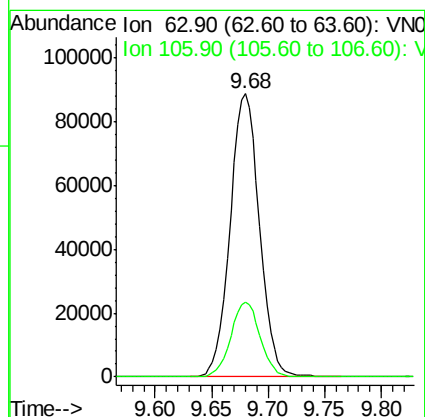
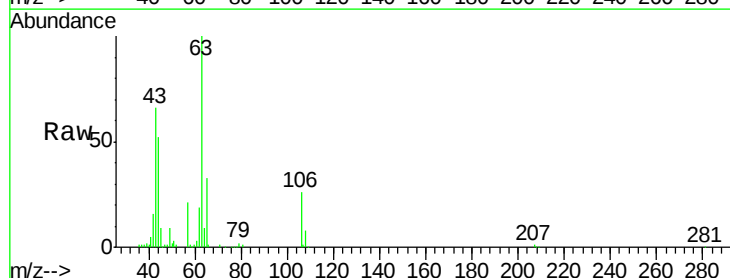
Acq: 4 Mar 2020 12:04

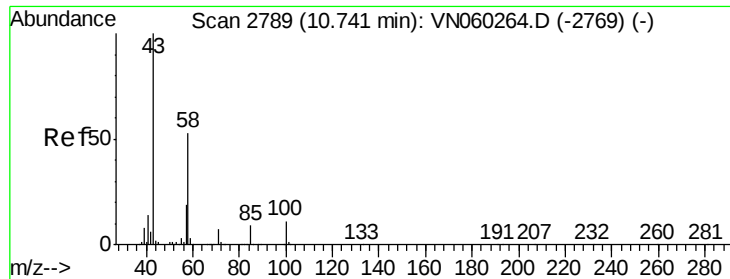
Tgt Ion: 63 Resp: 160282

Ion Ratio Lower Upper

63 100

106 26.3 21.1 31.7





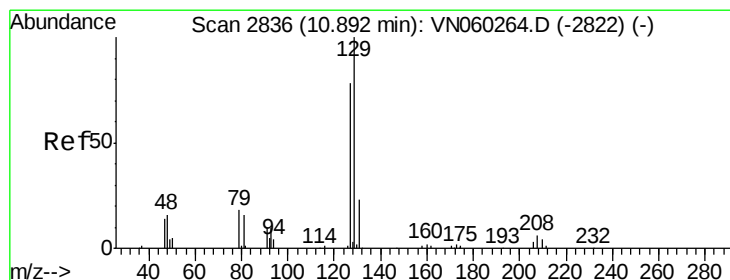
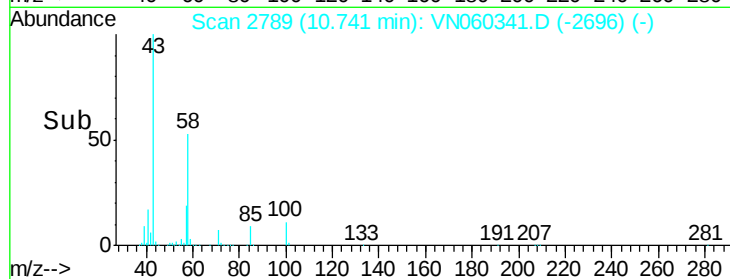
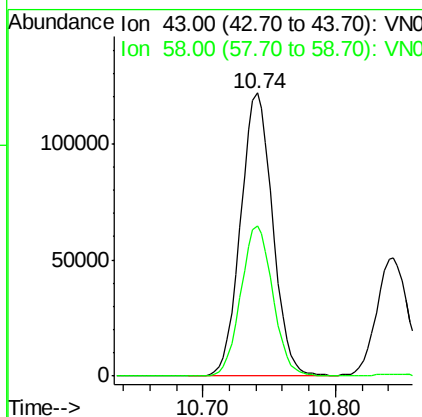
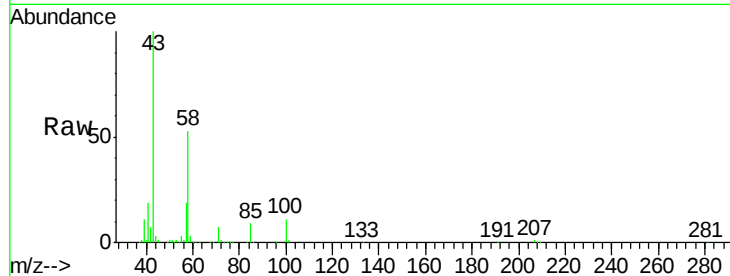
#59
2-Hexanone
Concen: 96.177 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.5	79.5

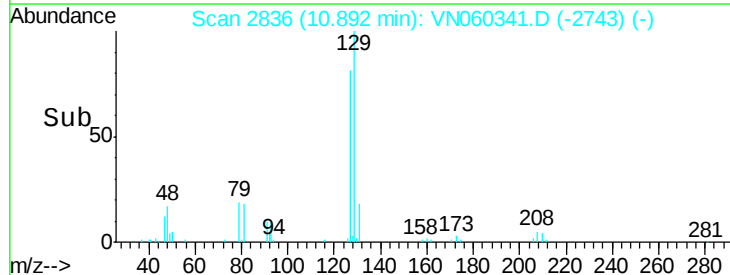
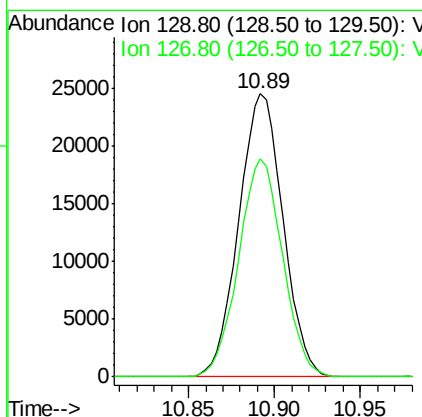
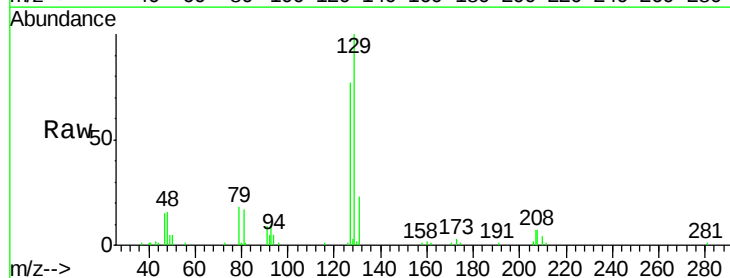
Manual Integrations
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#60
Dibromochloromethane
Concen: 19.033 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.9	116.7





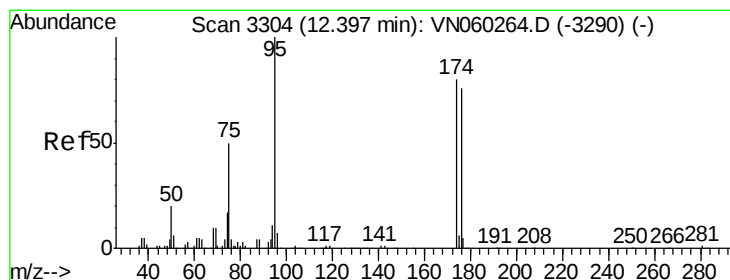
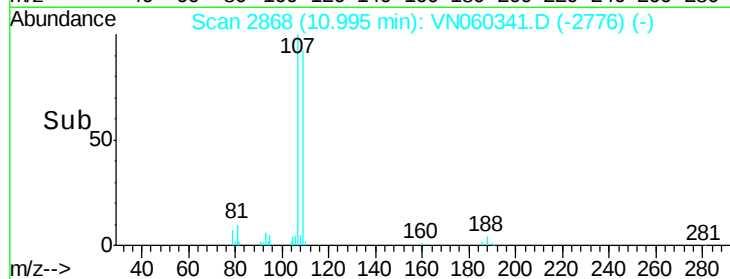
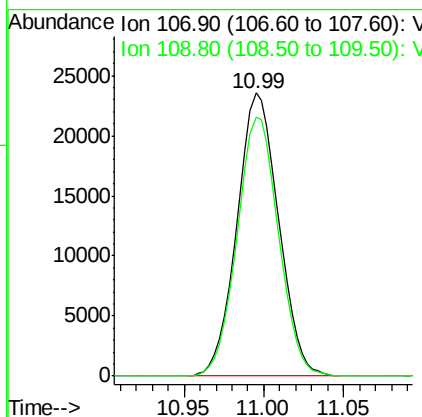
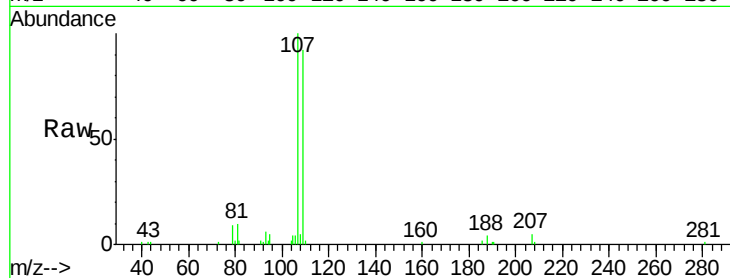
#61
 1,2-Dibromoethane
 Concen: 18.918 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion: 107 Resp: 41705
 Ion Ratio Lower Upper
 107 100
 109 91.1 76.8 115.2

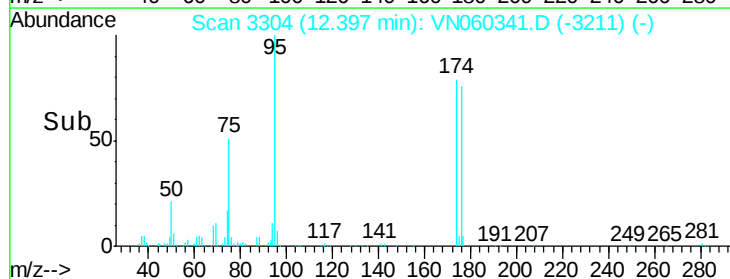
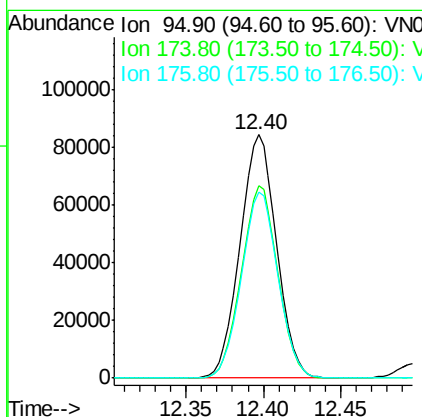
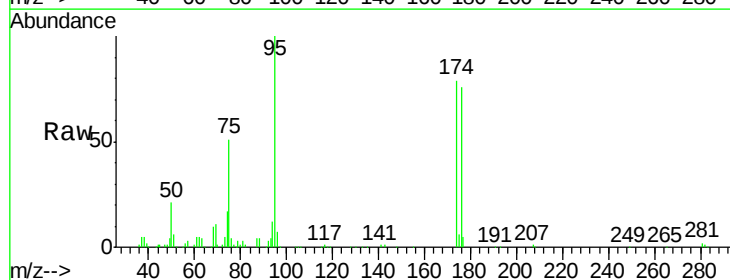
Manual Integrations
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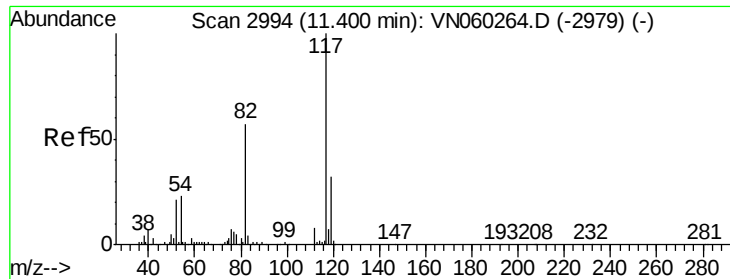
MMDadoda
 3/5/2020 1:46:17 PM



#62
 4-Bromofluorobenzene
 Concen: 48.196 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion: 95 Resp: 138515
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 159.2
 176 76.6 0.0 153.8





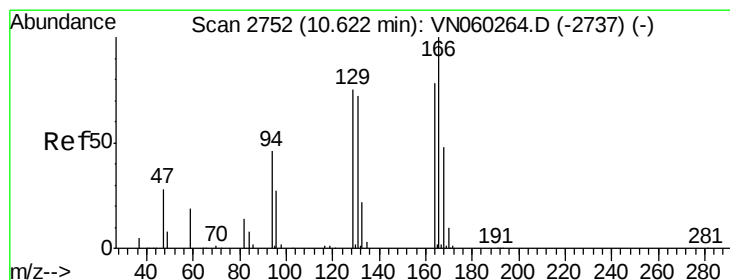
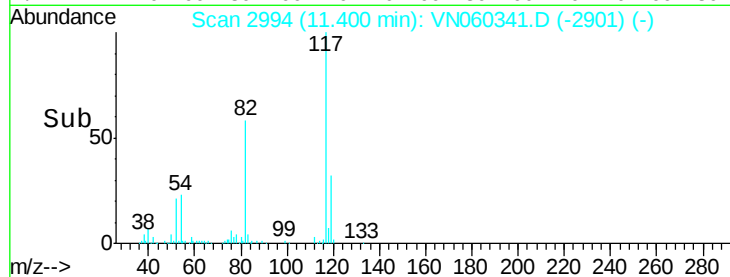
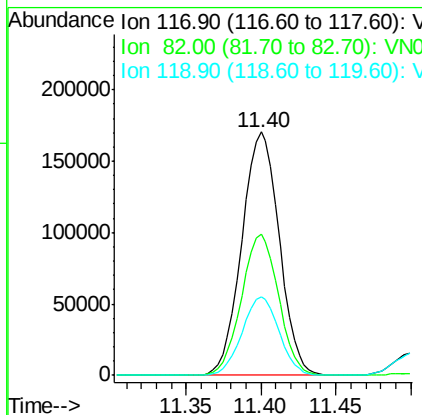
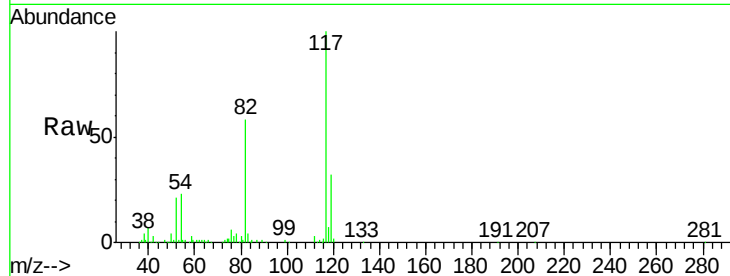
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297197		
82	58.1	45.8	68.6	
119	32.3	25.8	38.8	

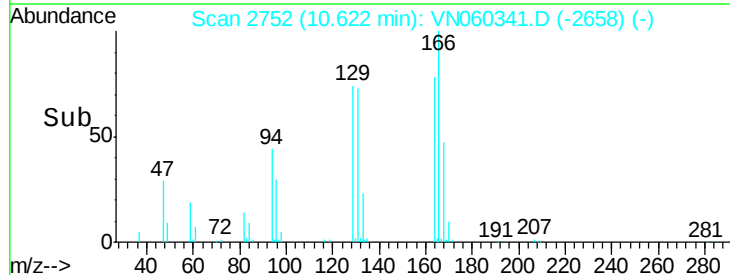
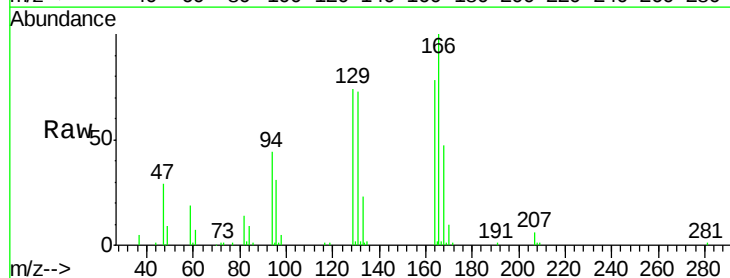
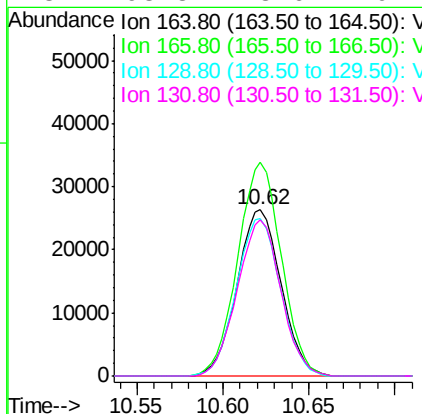
Manual Integrations
APPROVED

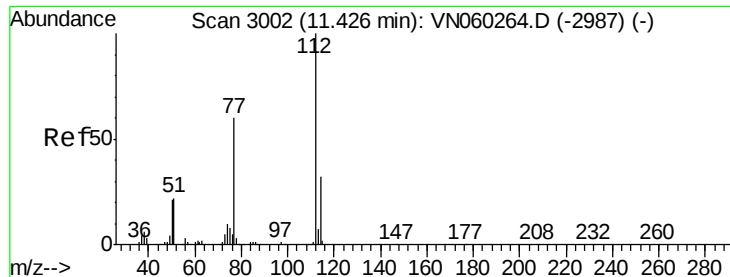
MMDadoda
3/5/2020 1:46:17 PM



#64
Tetrachloroethene
Concen: 19.087 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46709		
166	128.4	102.0	153.0	
129	94.4	76.4	114.6	
131	93.8	73.6	110.4	





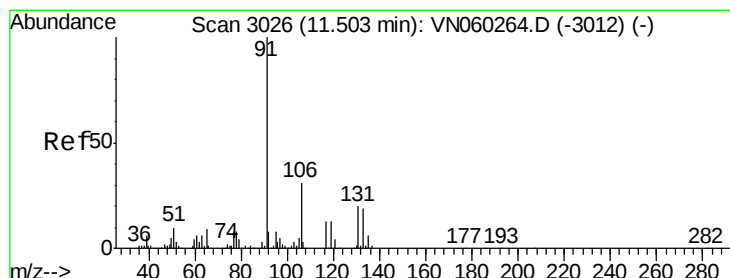
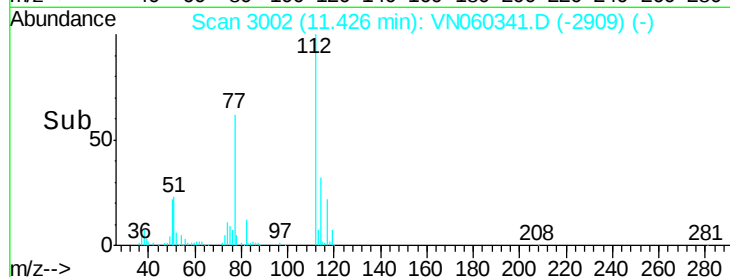
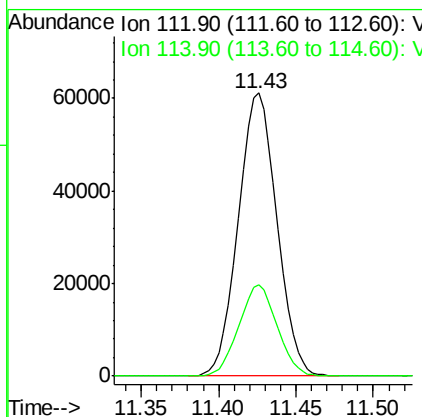
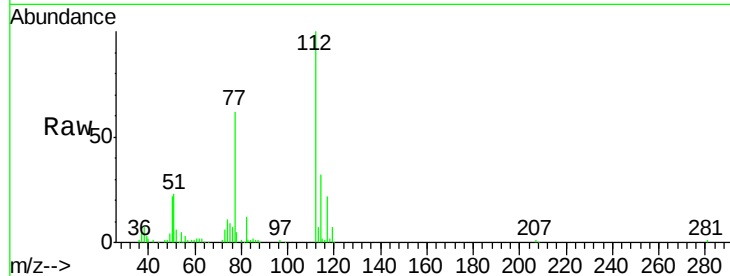
#65
Chlorobenzene
Concen: 17.727 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion:112 Resp: 106382
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

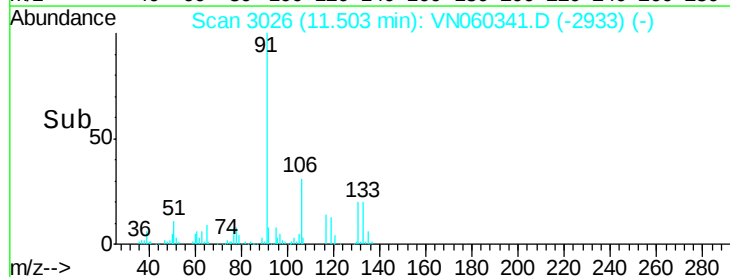
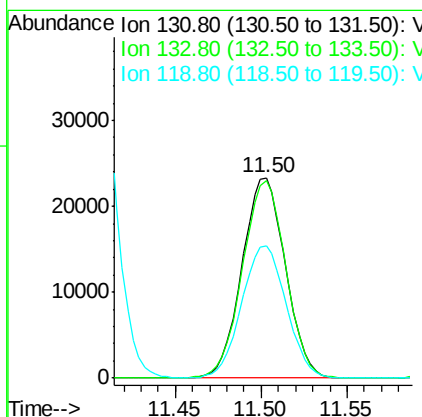
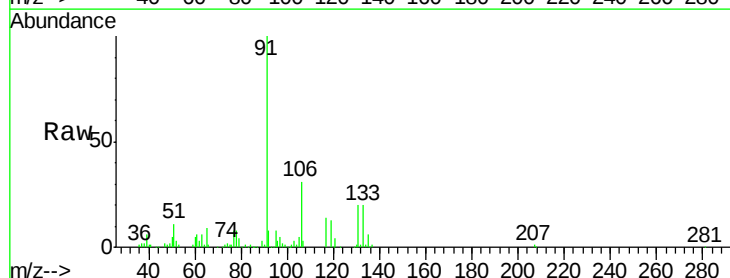
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.358 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion:131 Resp: 40735
Ion Ratio Lower Upper
131 100
133 98.7 47.7 143.1
119 67.8 33.2 99.6





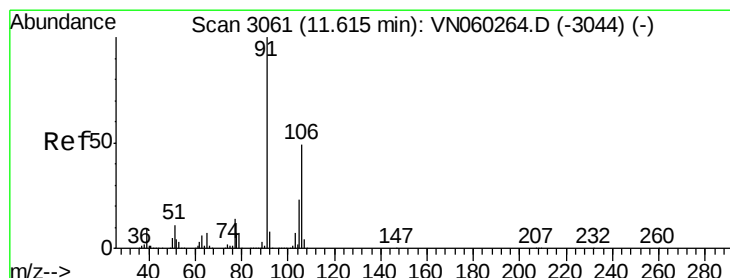
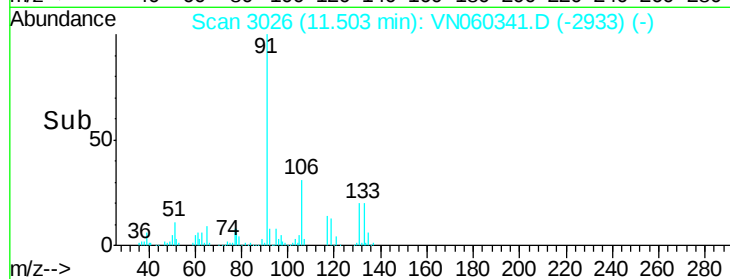
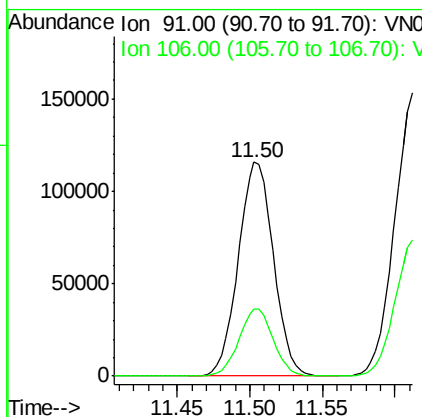
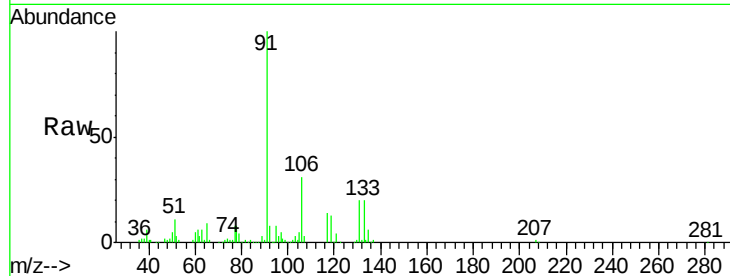
#67
Ethyl Benzene
Concen: 17.871 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion: 91 Resp: 195307
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1

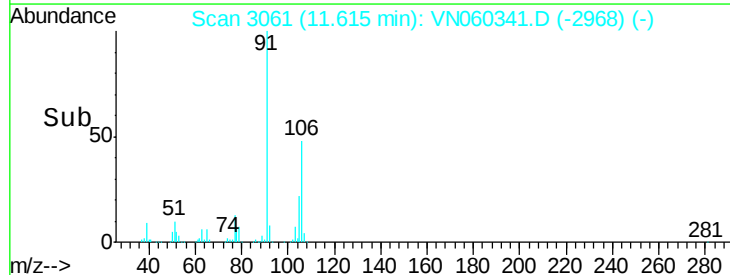
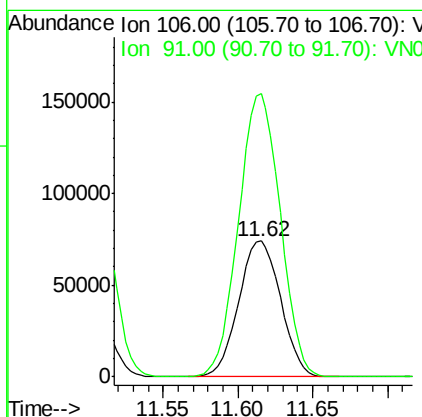
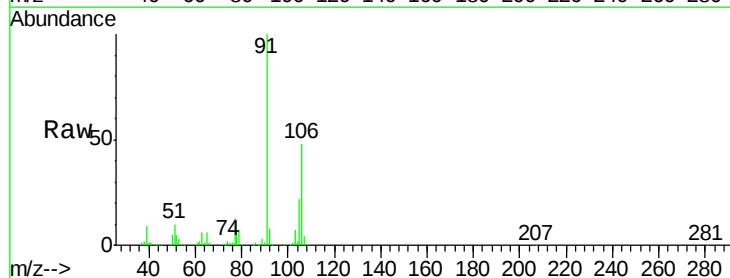
Manual Integrations
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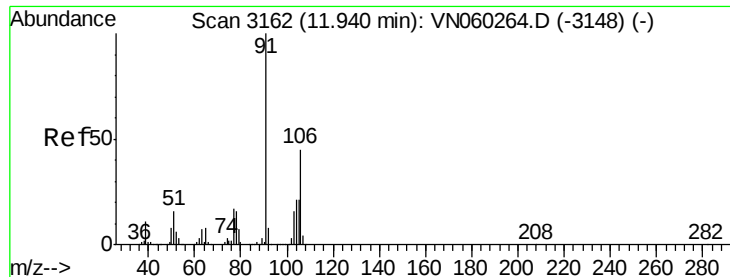
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#68
m/p-Xylenes
Concen: 35.128 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion: 106 Resp: 144842
Ion Ratio Lower Upper
106 100
91 207.3 164.5 246.7





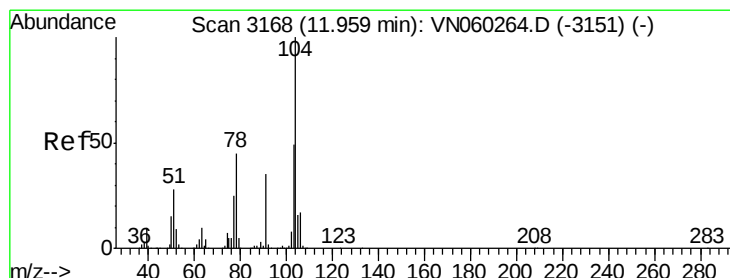
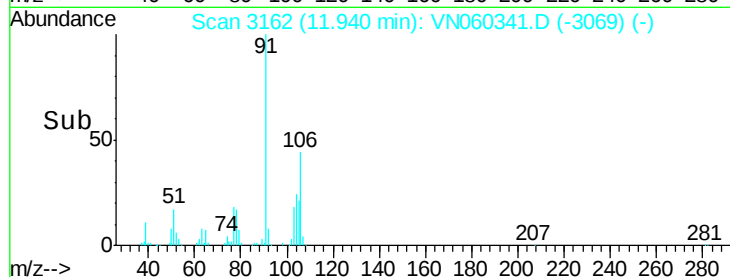
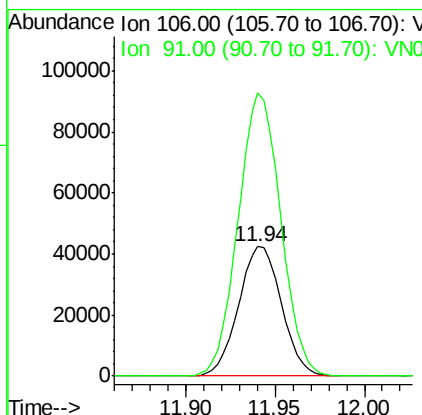
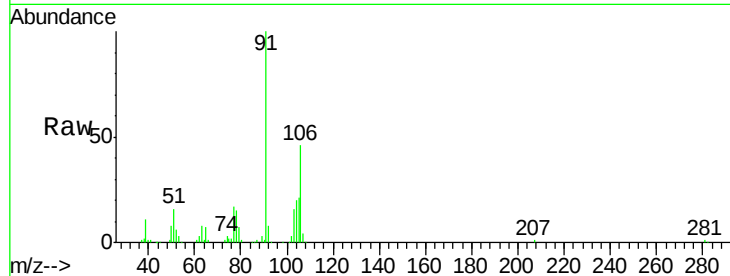
#69
o-Xylene
Concen: 18.079 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampled :
VN0304WBSD01

Tot Ion:106 Resp: 71085
Ion Ratio Lower Upper
106 100
91 217.2 109.5 328.4

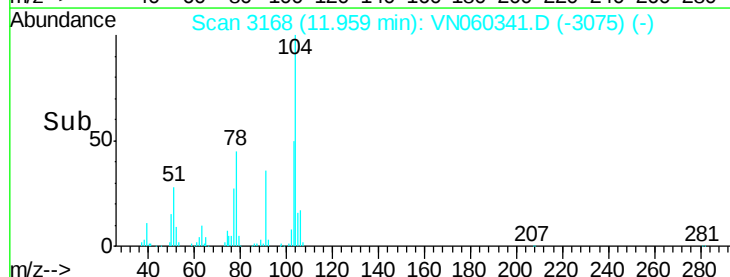
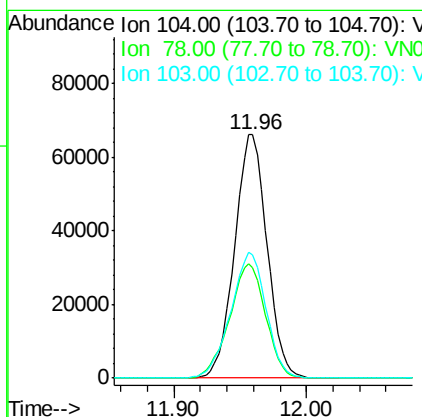
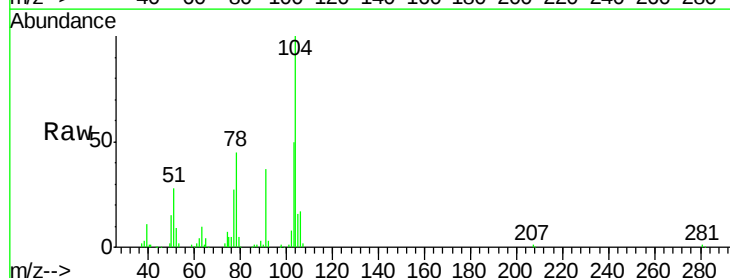
Manual Integrations
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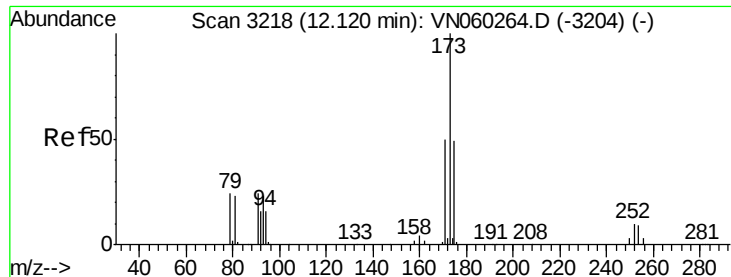
MMDadoda
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#70
Styrene
Concen: 17.389 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion:104 Resp: 112414
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 55.9 43.9 65.9





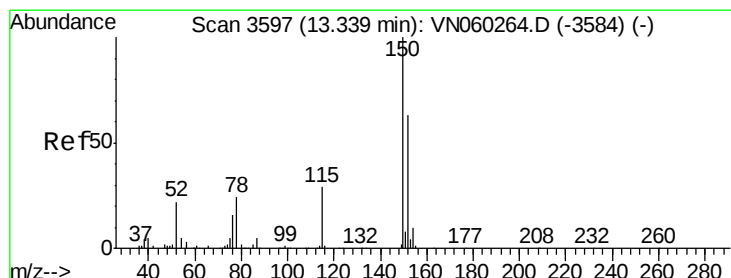
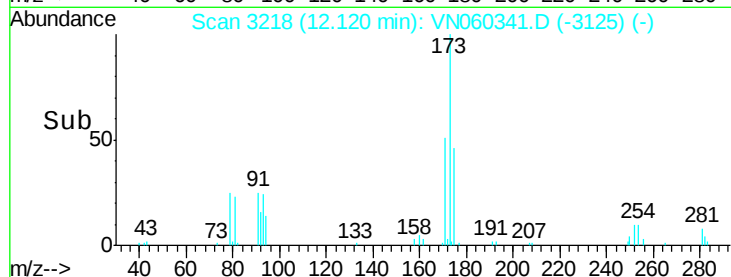
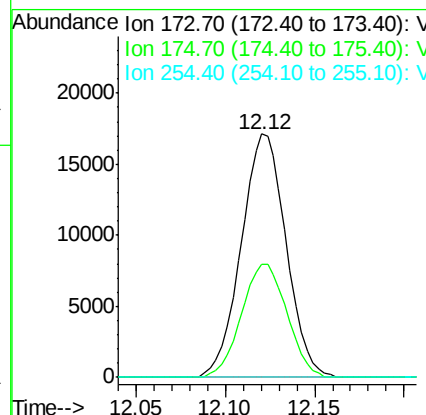
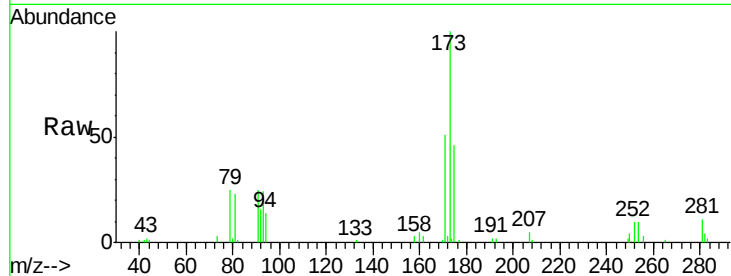
#71
Bromoform
Concen: 18.757 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.1	72.2
254	0.0	0.0	0.0

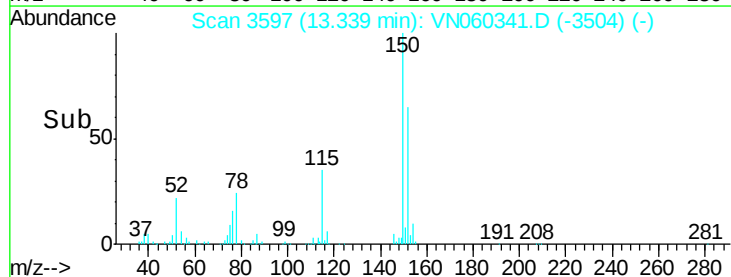
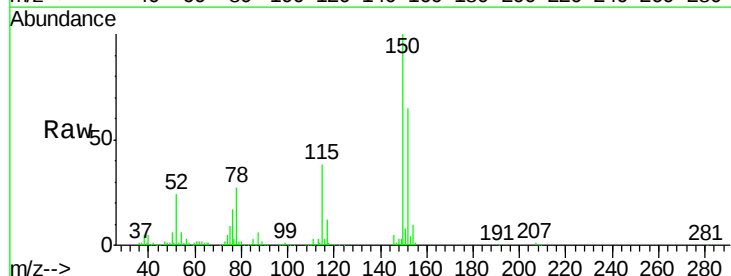
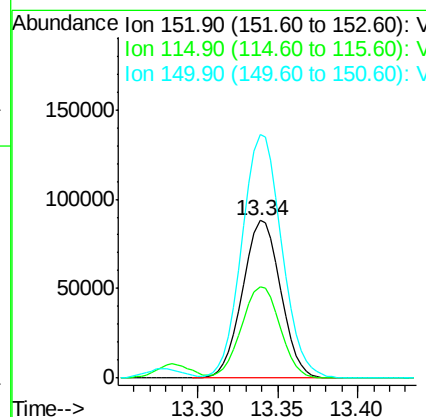
Manual Integrations
APPROVED

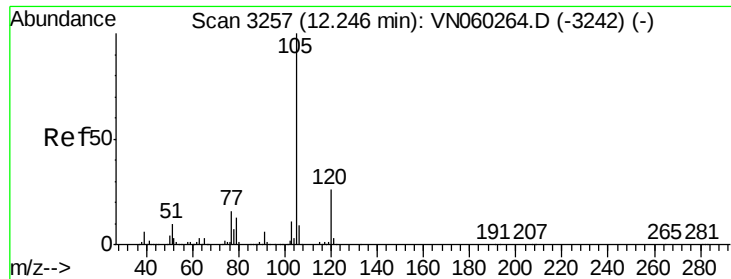
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.0	90.0
150	161.5	0.0	349.6





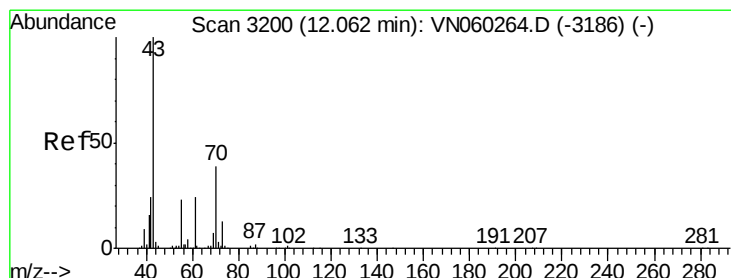
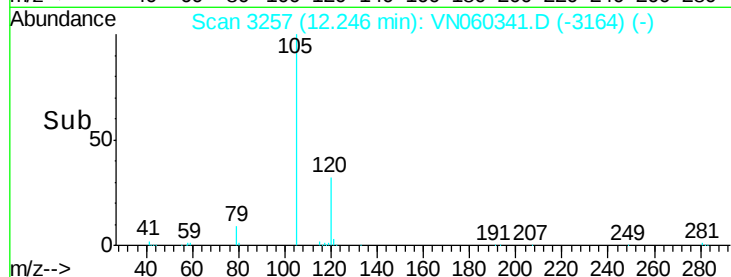
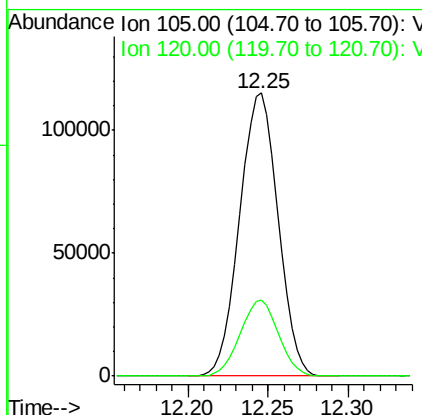
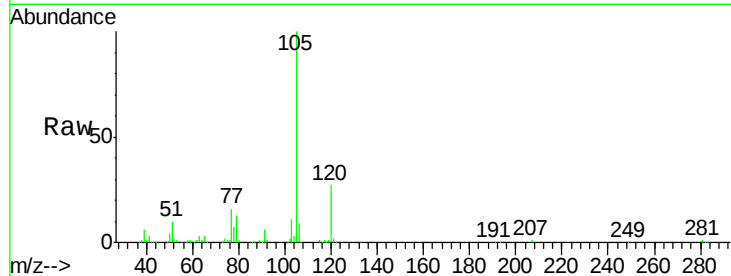
#73
Isopropylbenzene
Concen: 17.786 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.0	38.9

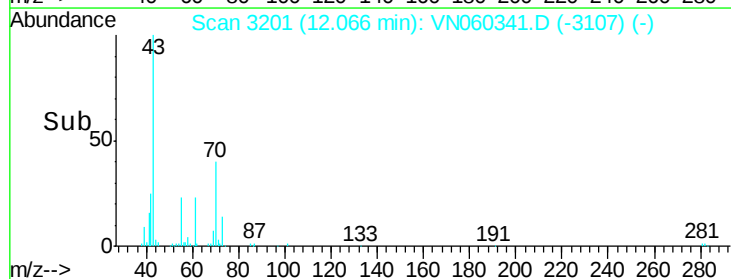
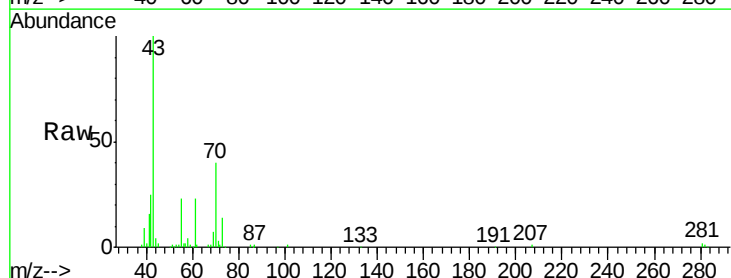
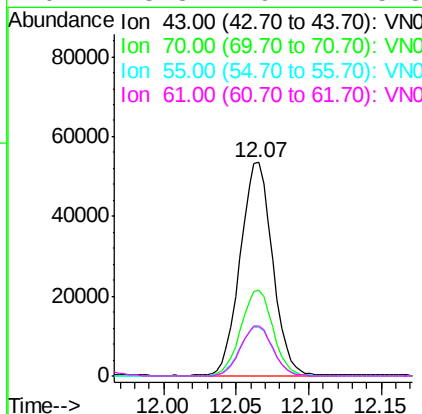
Manual Integrations
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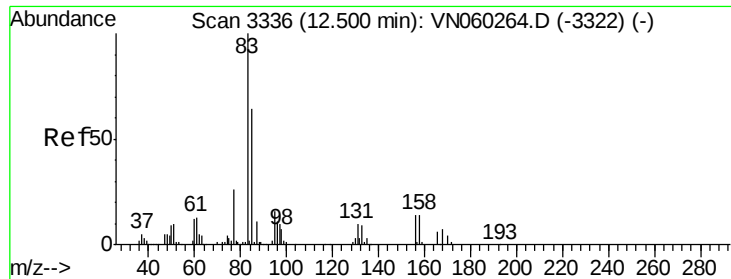
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#74
N-ethyl acetate
Concen: 18.022 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	23.4	18.2	27.4
61	23.3	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.238 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

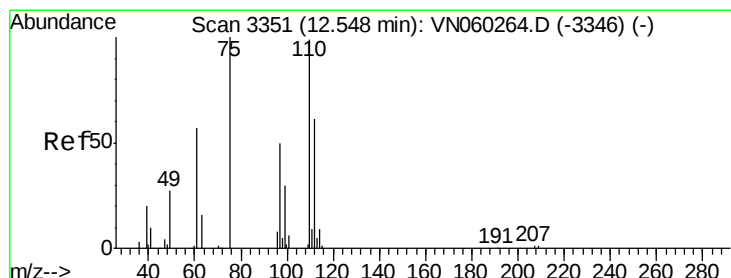
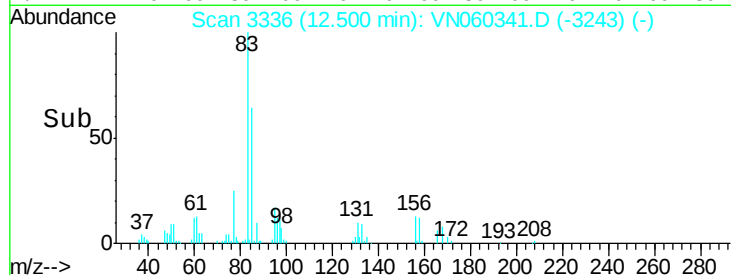
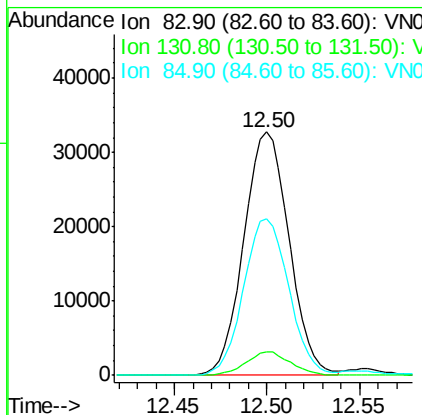
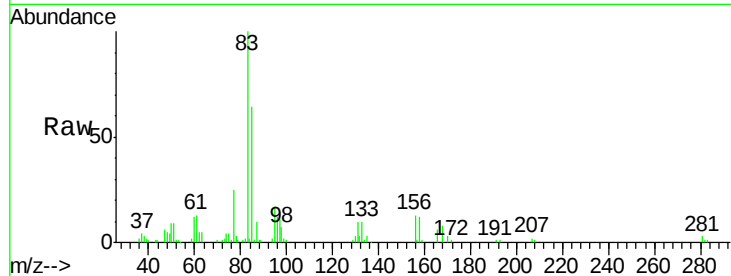
ClientSampleId :

VN0304WBSD01

Tot Ion:	83	Resp:	55569
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.1	15.3
85	64.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.285 ug/l m

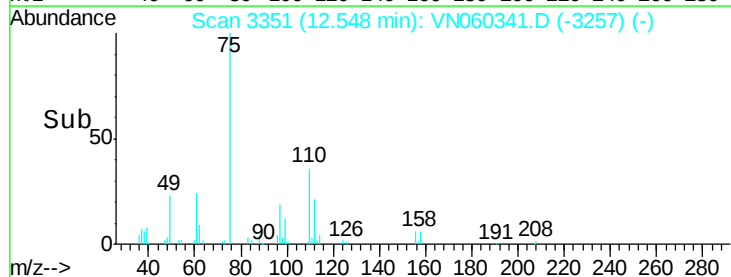
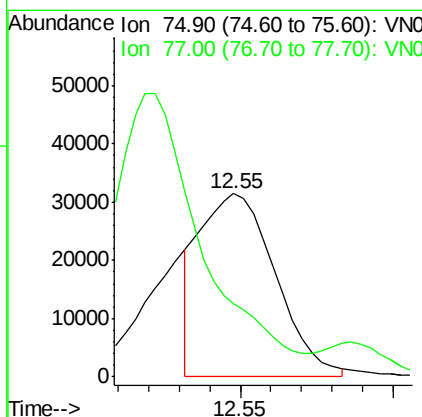
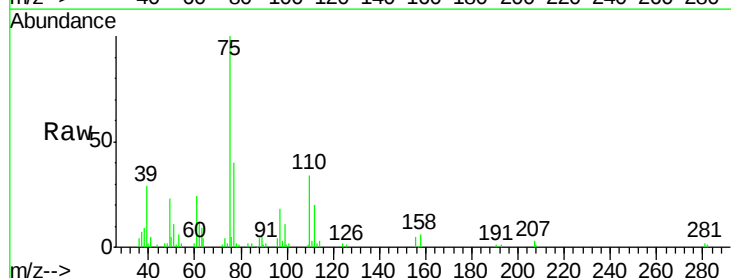
RT: 12.55 min Scan# 3351

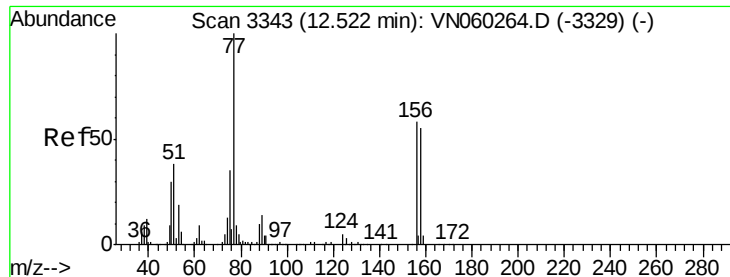
Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Tgt Ion:	75	Resp:	54371
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.884 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion:156 Resp: 46583

Ion Ratio Lower Upper

156 100

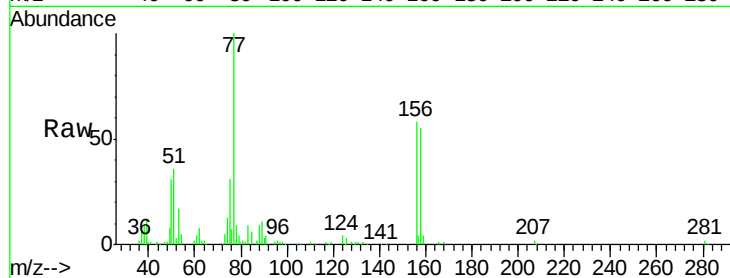
77 216.2 106.1 318.3

158 96.4 48.3 144.8

Manual Integrations
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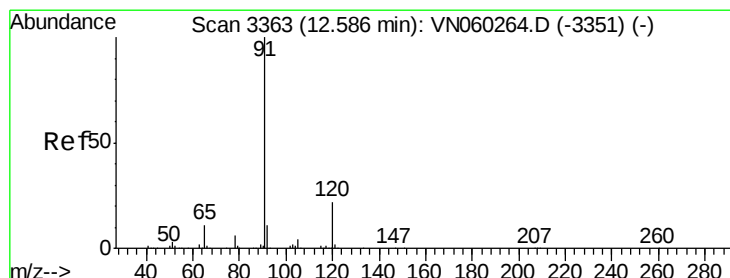
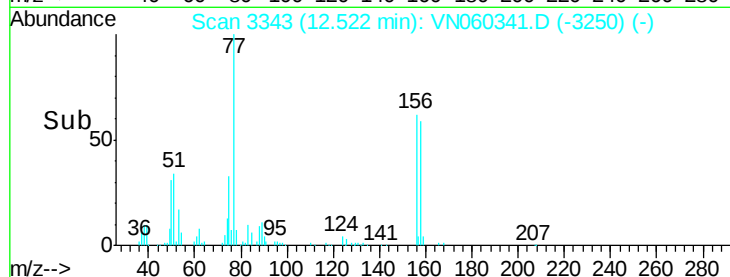
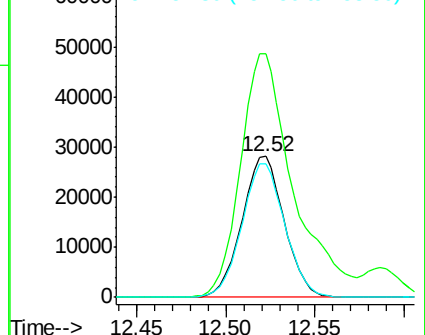
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.871 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060341.D

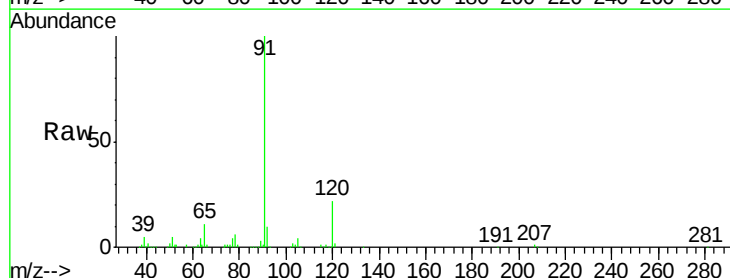
Acq: 4 Mar 2020 12:04

Tgt Ion: 91 Resp: 222606

Ion Ratio Lower Upper

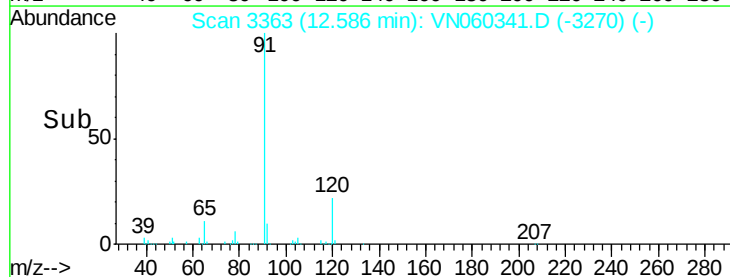
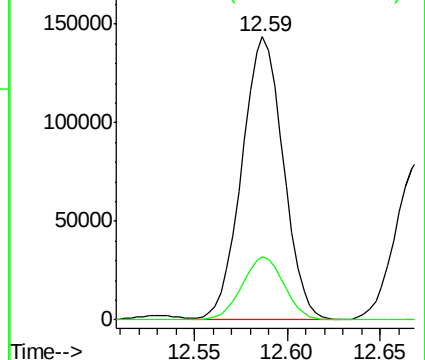
91 100

120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.040 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion: 91 Resp: 132086

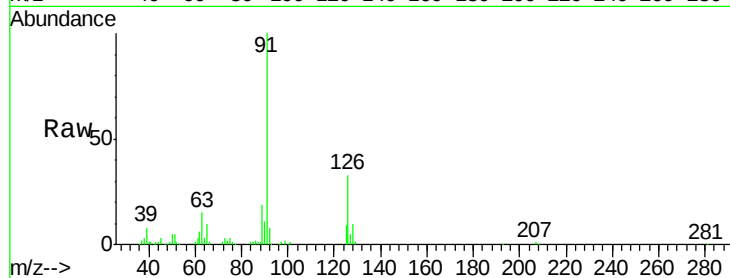
Ion Ratio Lower Upper

91 100

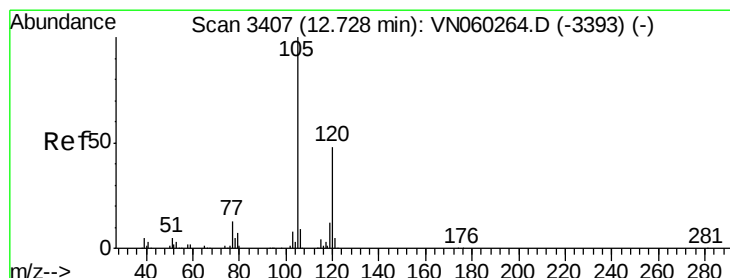
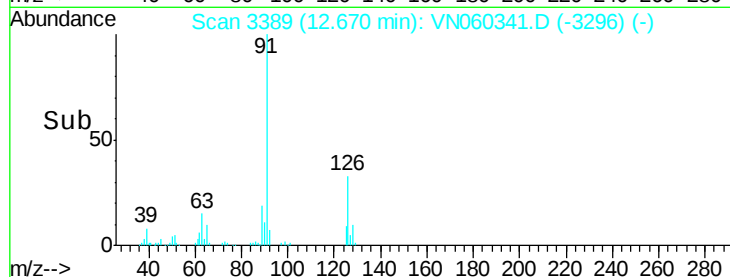
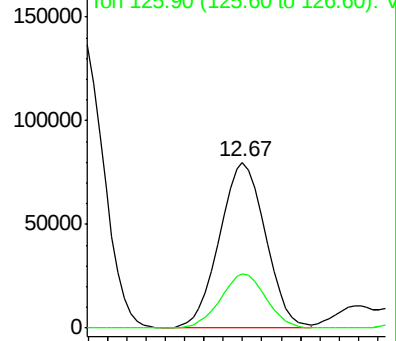
126 32.4 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN060341.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.940 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060341.D

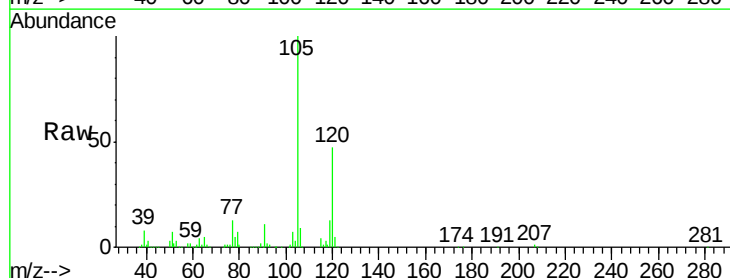
Acq: 4 Mar 2020 12:04

Tgt Ion: 105 Resp: 160503

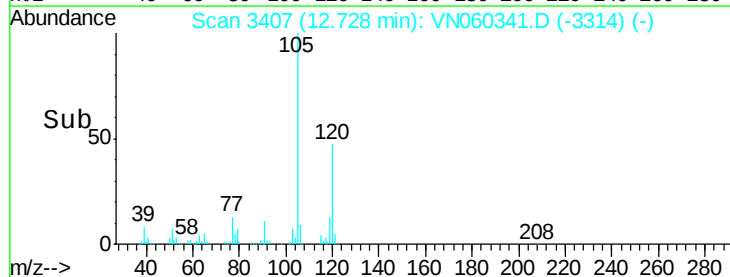
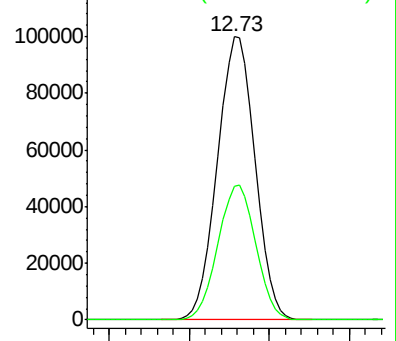
Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060341.D (-3393) (-)





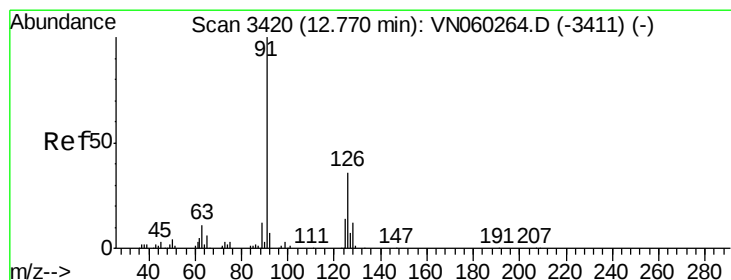
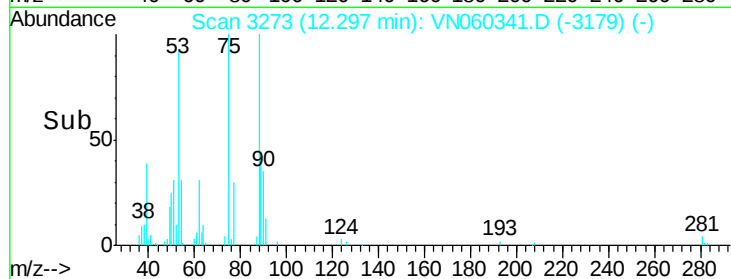
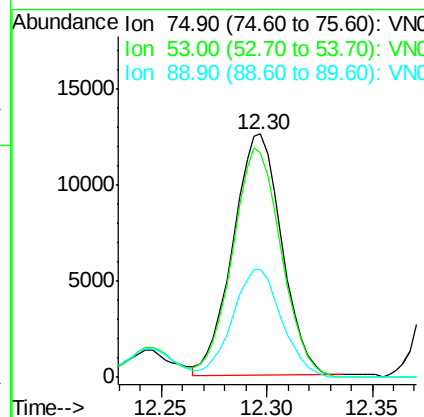
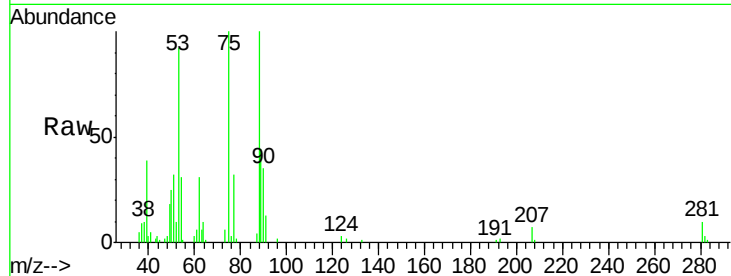
#81
trans-1,4-Dichloro-2-butene
Concen: 17.694 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.2	73.8	110.6
89	45.5	57.1	85.7#

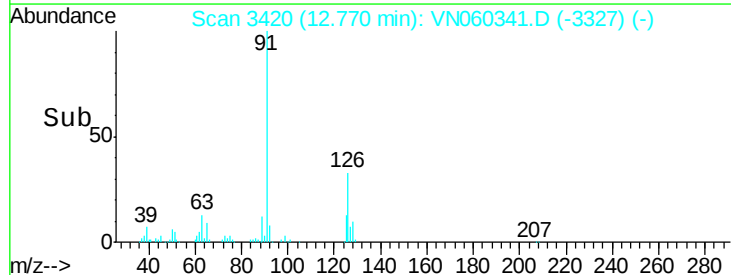
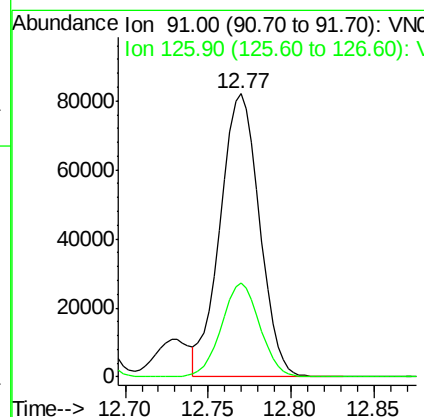
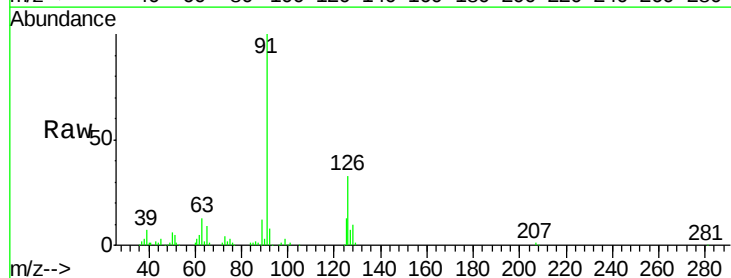
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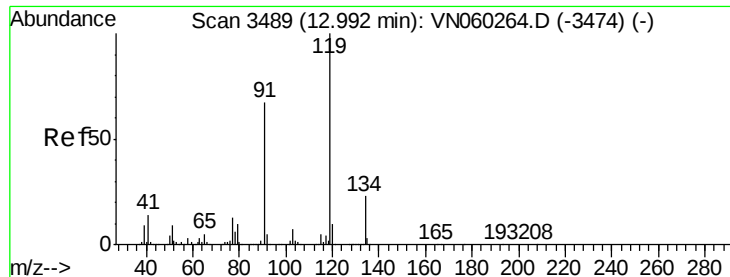
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#82
4-Chlorotoluene
Concen: 17.576 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





#83

tert-Butylbenzene

Concen: 17.837 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

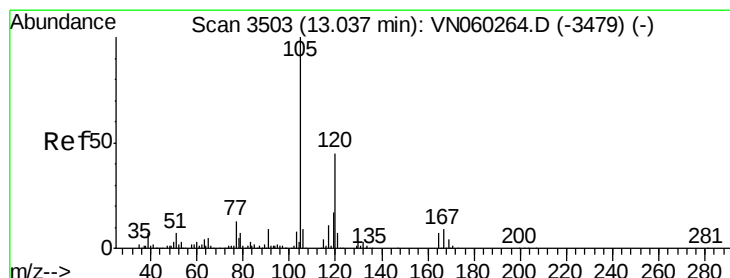
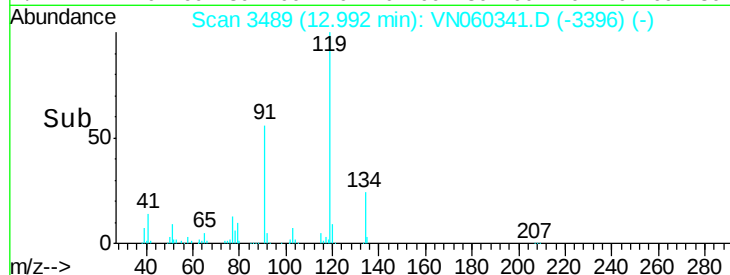
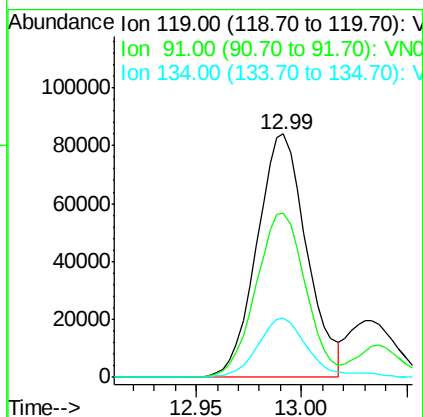
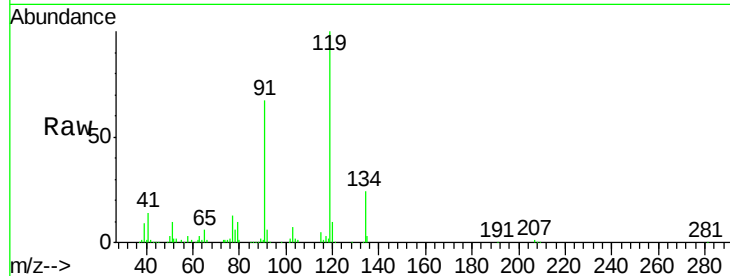
ClientSampleId :

VN0304WBSD01

Tot Ion:	119	Resp:	138170
Ion Ratio	Lower	Upper	
119	100		
91	67.2	33.1	99.2
134	23.6	12.4	37.0

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#84

1,2,4-Trimethylbenzene

Concen: 17.806 ug/l

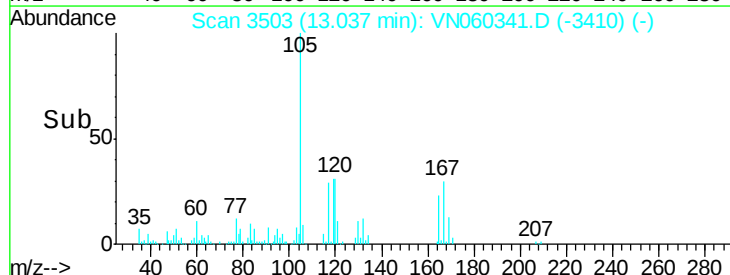
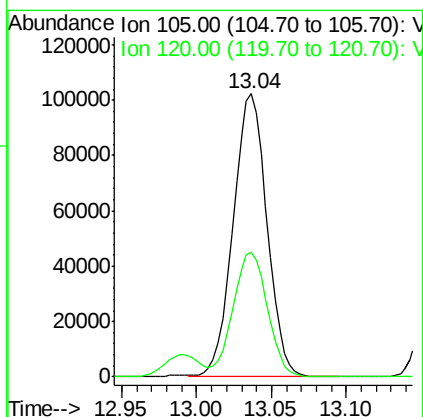
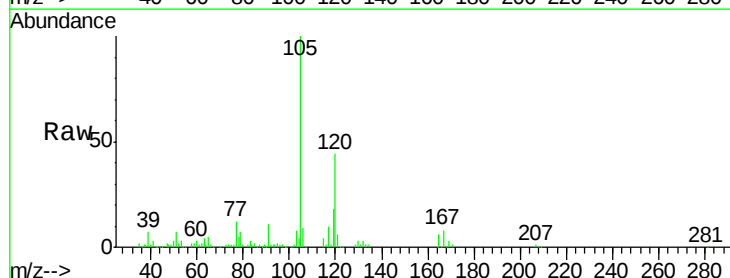
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Tgt Ion:	105	Resp:	160799
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 17.752 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBSD01

Tot Ion:105 Resp: 184136

Ion Ratio Lower Upper

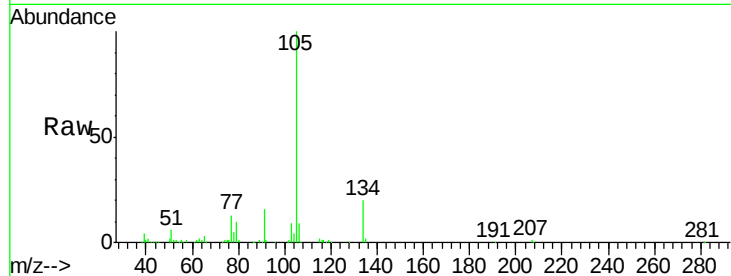
105 100

134 19.4 9.8 29.5

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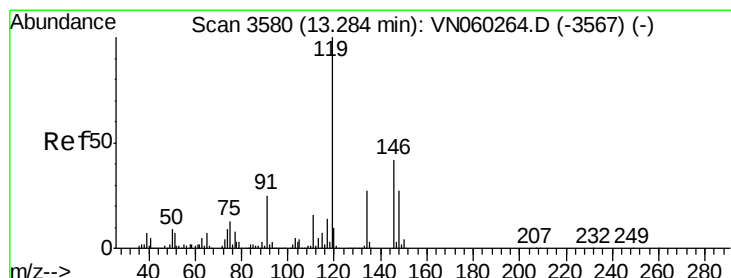
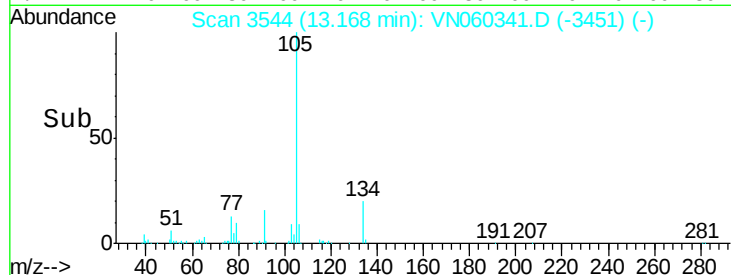
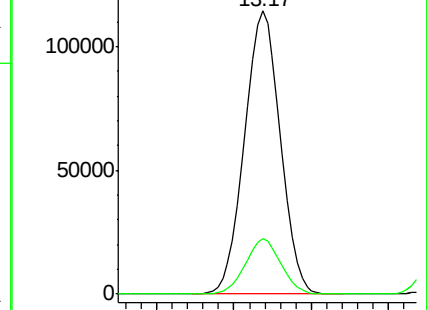
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.261 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060341.D

Acq: 4 Mar 2020 12:04

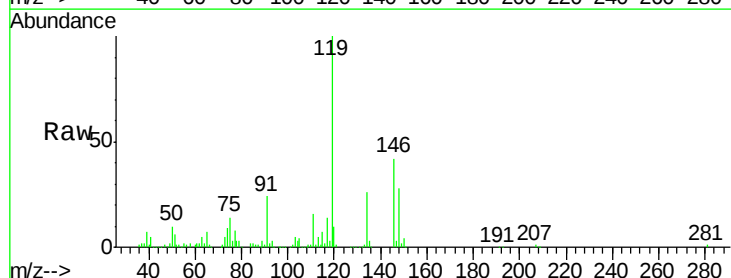
Tgt Ion:119 Resp: 165718

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

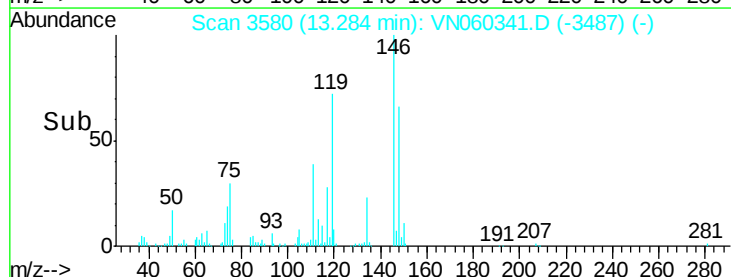
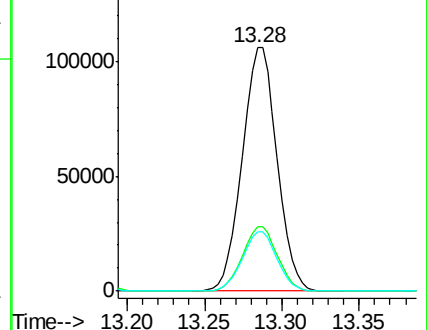
91 24.4 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





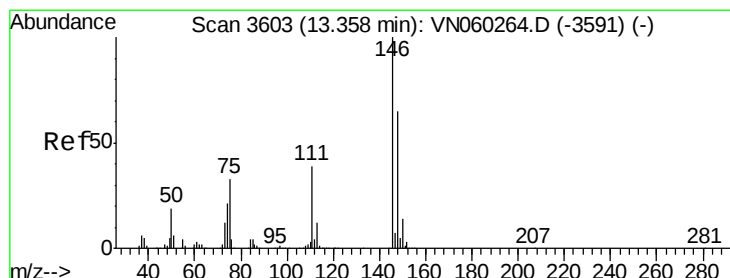
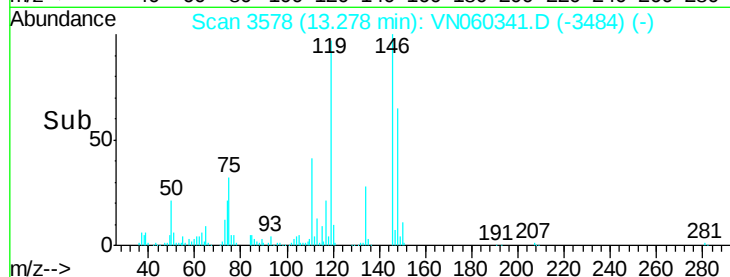
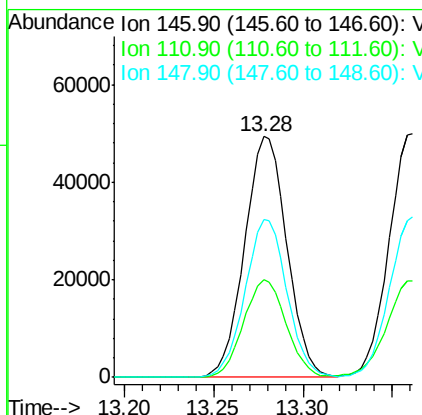
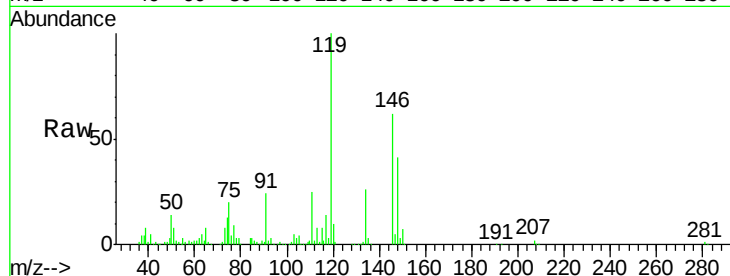
#87
 1,3-Dichlorobenzene
 Concen: 18.106 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	65.0	32.1	96.3

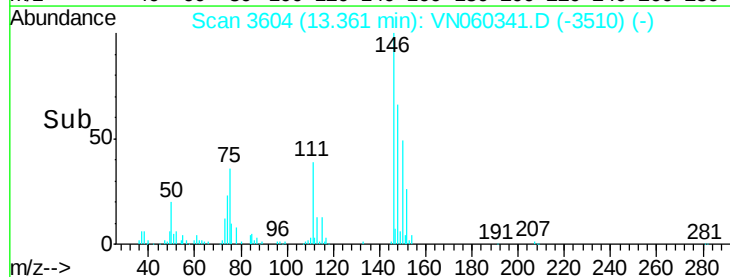
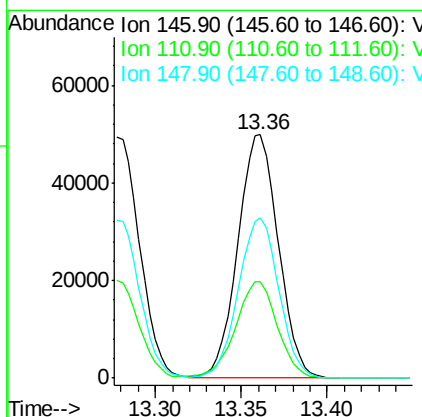
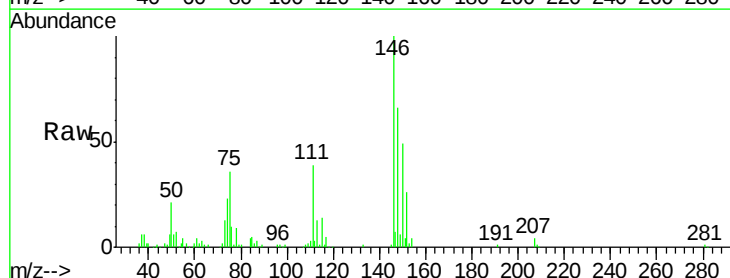
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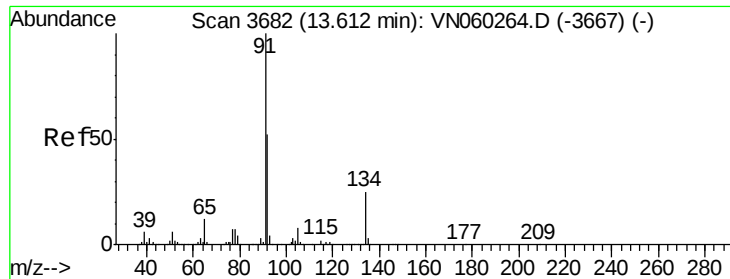
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#88
 1,4-Dichlorobenzene
 Concen: 18.137 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	65.6	32.3	96.9





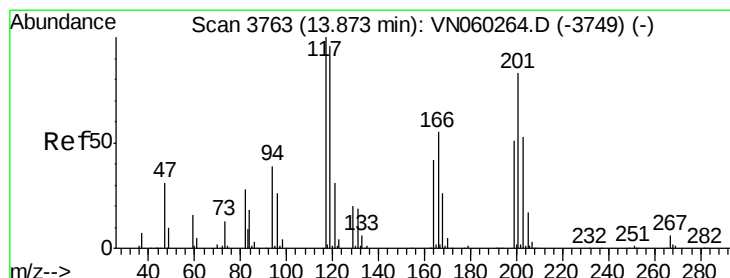
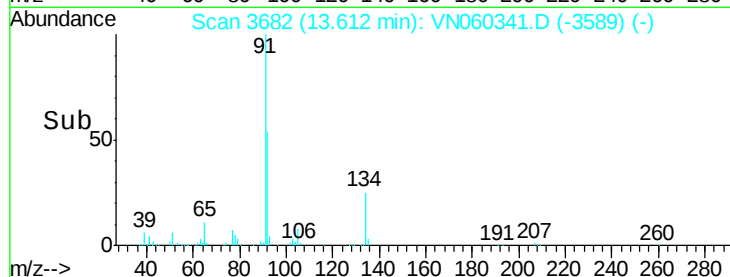
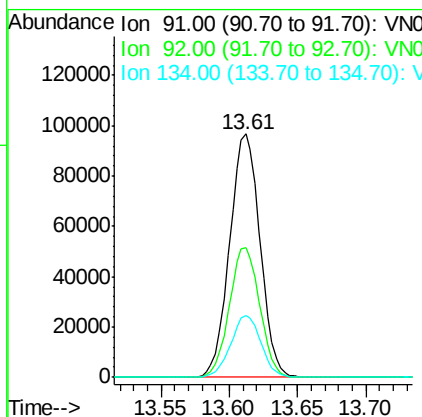
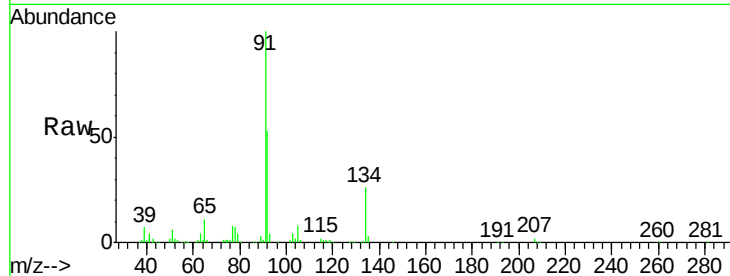
#89
n-Butylbenzene
Concen: 16.957 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.0	78.0
134	25.3	12.7	38.1

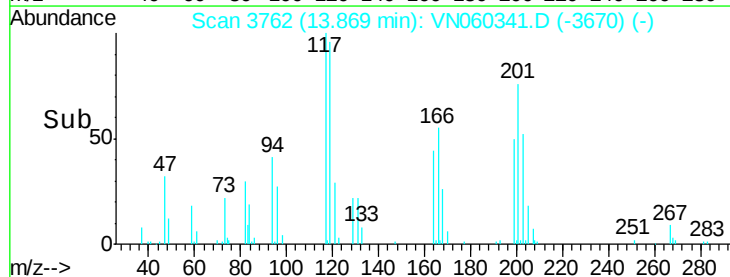
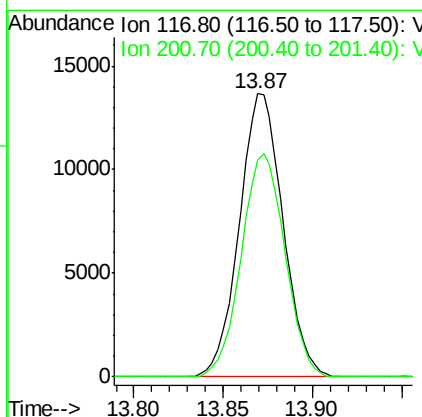
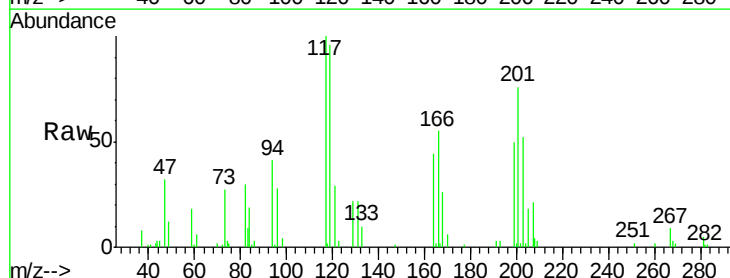
Manual Integrations
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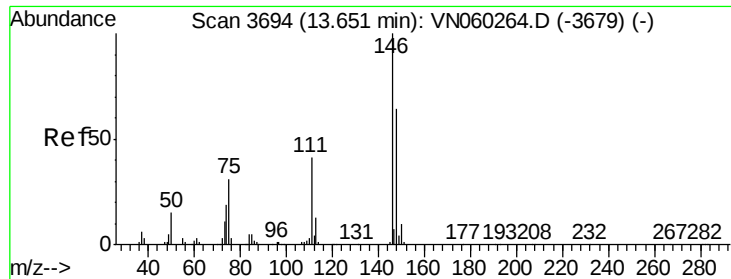
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#90
Hexachloroethane
Concen: 16.812 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	41.0	123.0





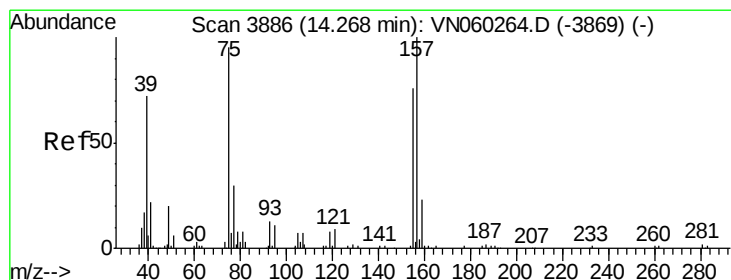
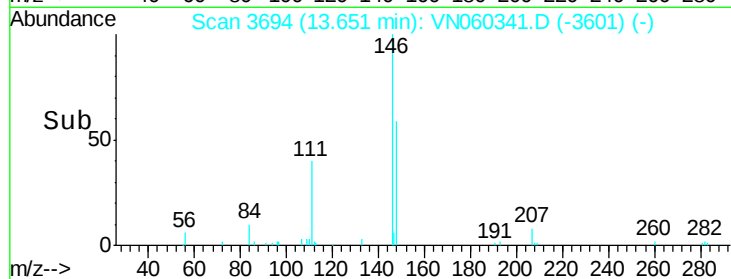
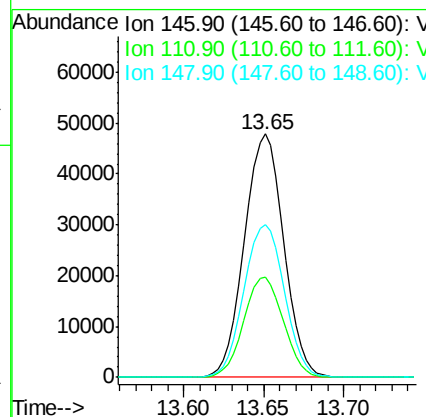
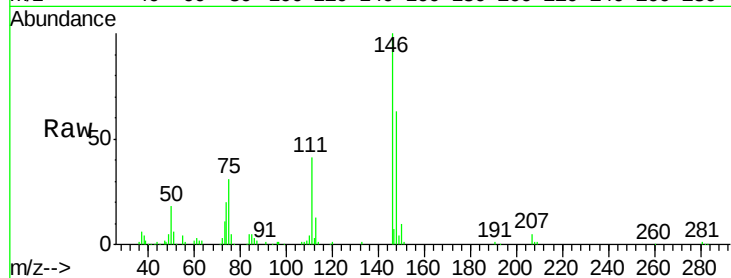
#91
 1,2-Dichlorobenzene
 Concen: 17.585 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	64.6	31.8	95.3

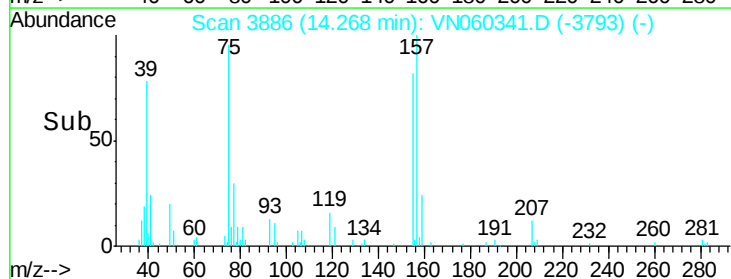
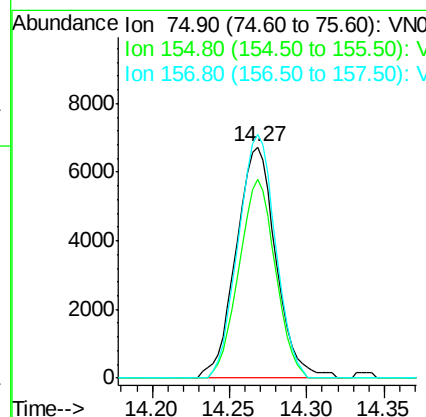
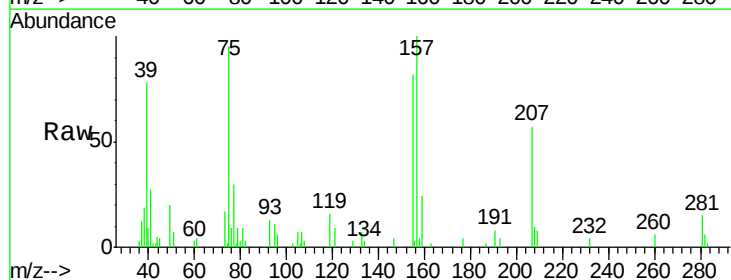
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.404 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	40.4	121.2
157	98.5	52.5	157.5





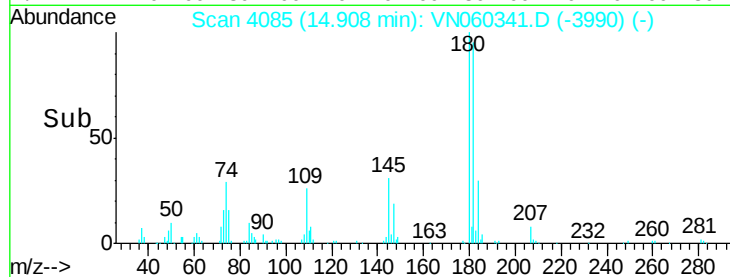
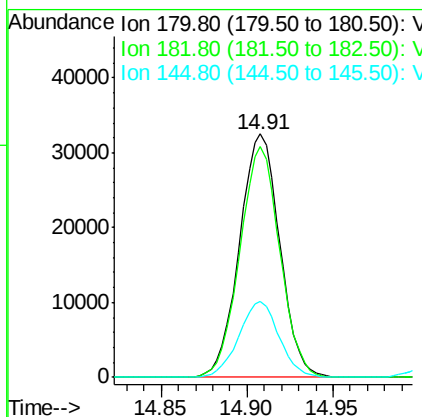
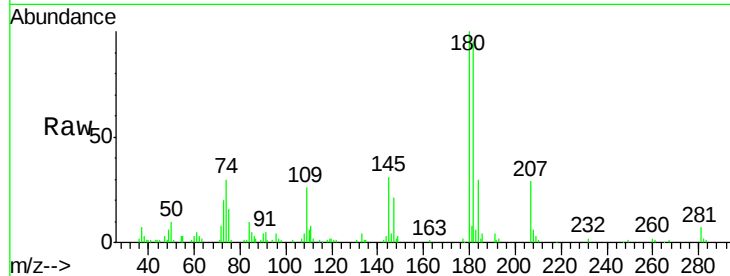
#93
 1,2,4-Trichlorobenzene
 Concen: 18.267 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	52815		
182	94.0		47.8	143.3
145	31.0		15.4	46.1

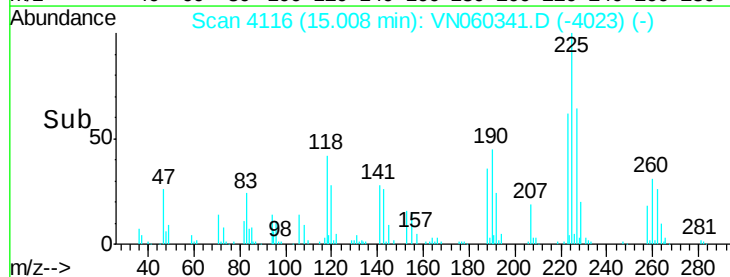
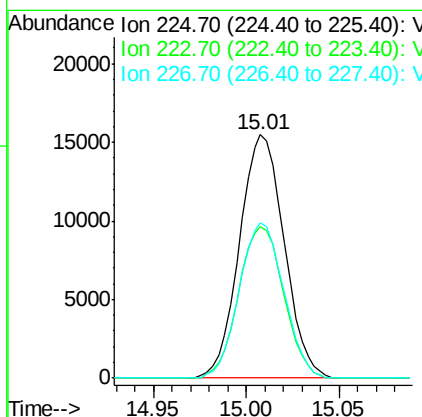
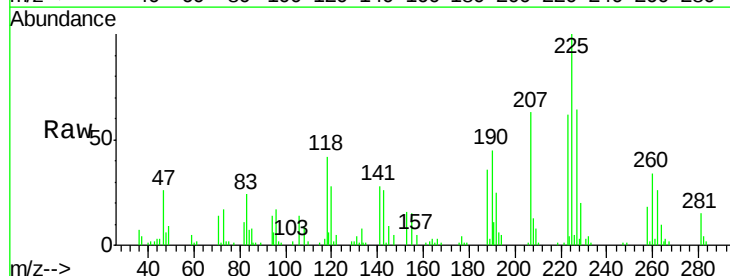
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 19.045 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060341.D
 Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25862		
223	62.7		31.3	93.9
227	63.4		32.3	96.9





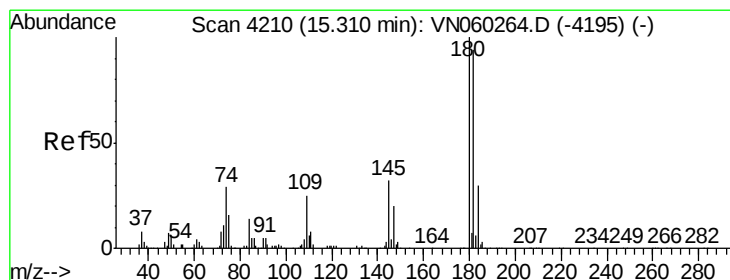
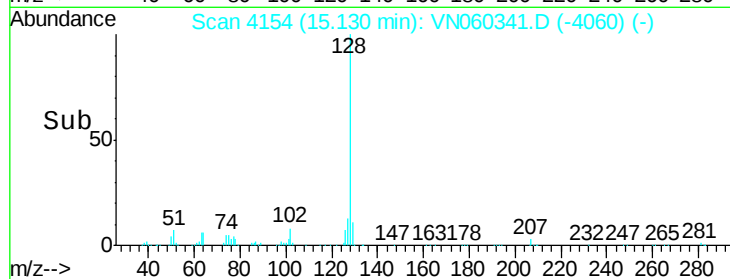
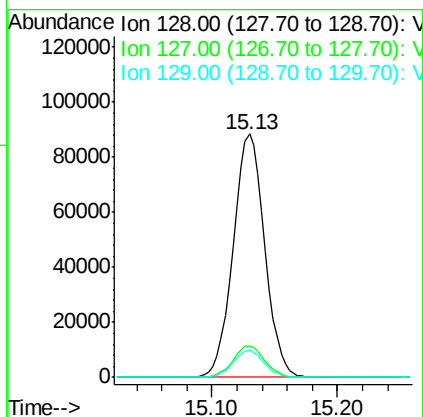
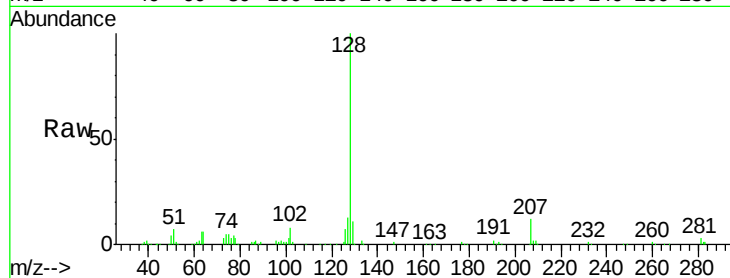
#95
Naphthalene
Concen: 17.848 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:46:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.271 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060341.D
Acq: 4 Mar 2020 12:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	33.1	16.2	48.5

