

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020620\
 Data File : VN060009.D
 Acq On : 6 Feb 2020 11:53
 Operator : JC/MD
 Sample : VN0206WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 1:44:38 PM

Quant Time: Feb 06 18:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	175572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	273580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	250931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	105024	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.56	113	85954	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.08	98	320989	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	117409	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33550	15.851	ug/l	98
3) Chloromethane	2.04	50	33997	16.913	ug/l	99
4) Vinyl Chloride	2.17	62	44160	19.201	ug/l	100
5) Bromomethane	2.55	94	25854	18.420	ug/l	100
6) Chloroethane	2.69	64	20449	18.794	ug/l	93
7) Trichlorofluoromethane	3.00	101	51618	18.689	ug/l	98
8) Diethyl Ether	3.38	74	20607	21.260	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31810	20.693	ug/l	94
10) Methyl Iodide	3.93	142	39972	16.087	ug/l	97
11) Tert butyl alcohol	4.73	59	34083	103.838	ug/l	99
12) 1,1-Dichloroethene	3.72	96	29285	18.231	ug/l	92
13) Acrolein	3.58	56	13600	58.532	ug/l	95
14) Allyl chloride	4.29	41	45287	20.917	ug/l #	89
15) Acrylonitrile	4.95	53	81386	108.699	ug/l	99
16) Acetone	3.78	43	90459	131.272	ug/l	97
17) Carbon Disulfide	4.03	76	70232	15.348	ug/l	99
18) Methyl Acetate	4.29	43	51140	22.455	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	114915	21.942	ug/l	95
20) Methylene Chloride	4.52	84	36386	19.846	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	31654	18.539	ug/l	93
22) Diisopropyl ether	5.91	45	106215	21.648	ug/l	93
23) Vinyl Acetate	5.86	43	395183	104.027	ug/l	96
24) 1,1-Dichloroethane	5.82	63	61081	20.374	ug/l	96
25) 2-Butanone	6.80	43	118479	107.304	ug/l	93
26) 2,2-Dichloropropane	6.80	77	58343	20.242	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	40372	20.557	ug/l	89
28) Bromochloromethane	7.17	49	23869	19.920	ug/l #	80
29) Tetrahydrofuran	7.18	42	71236	104.275	ug/l	88
30) Chloroform	7.35	83	66566	21.429	ug/l	99
31) Cyclohexane	7.63	56	51191	17.745	ug/l #	85
32) 1,1,1-Trichloroethane	7.54	97	59646	20.767	ug/l	95
36) 1,1-Dichloropropene	7.77	75	44949	18.867	ug/l	95
37) Ethyl Acetate	6.90	43	47031	21.048	ug/l	98
38) Carbon Tetrachloride	7.75	117	51725	19.959	ug/l	98

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Quant Time: Feb 06 18:01:15 2020
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 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	53608	18.249	ug/l	95
40) Benzene	8.02	78	140072	19.714	ug/l	99
41) Methacrylonitrile	7.15	41	20353m	18.492	ug/l	
42) 1,2-Dichloroethane	8.10	62	53364	22.151	ug/l	98
43) Isopropyl Acetate	8.14	43	79641	20.721	ug/l	95
44) Trichloroethene	8.82	130	39986	20.615	ug/l	95
45) 1,2-Dichloropropane	9.10	63	37098	21.100	ug/l	98
46) Dibromomethane	9.19	93	26936	21.718	ug/l	94
47) Bromodichloromethane	9.39	83	53422	21.375	ug/l	98
48) Methyl methacrylate	9.18	41	33760	19.637	ug/l	90
49) 1,4-Dioxane	9.18	88	14121	448.687	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	237148	106.738	ug/l	96
52) Toluene	10.14	92	90975	20.271	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	59847	21.445	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	63509	21.629	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	38653	21.745	ug/l	95
56) Ethyl methacrylate	10.42	69	54038	19.896	ug/l	96
57) 1,3-Dichloropropane	10.70	76	62643	22.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	88489	108.166	ug/l	91
59) 2-Hexanone	10.74	43	176291	107.705	ug/l	95
60) Dibromochloromethane	10.89	129	44089	21.781	ug/l	100
61) 1,2-Dibromoethane	11.00	107	39345	21.119	ug/l	98
64) Tetrachloroethene	10.62	164	43062	21.056	ug/l	96
65) Chlorobenzene	11.43	112	100427	20.362	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40312	21.153	ug/l	99
67) Ethyl Benzene	11.51	91	177663	19.843	ug/l	98
68) m/p-Xylenes	11.62	106	133322	39.420	ug/l	95
69) o-Xylene	11.94	106	65053	19.647	ug/l	98
70) Styrene	11.96	104	105671	19.072	ug/l	98
71) Bromoform	12.12	173	32003	20.964	ug/l #	97
73) Isopropylbenzene	12.25	105	177606	20.342	ug/l	99
74) N-amyl acetate	12.06	43	68303	20.160	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	54313	21.458	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	47598m	23.757	ug/l	
77) Bromobenzene	12.52	156	45767	20.699	ug/l	84
78) n-propylbenzene	12.59	91	199740	20.382	ug/l	99
79) 2-Chlorotoluene	12.67	91	118677	20.356	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	148856	20.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18743	20.090	ug/l	96
82) 4-Chlorotoluene	12.77	91	123079	21.048	ug/l	98
83) tert-Butylbenzene	12.99	119	128834	20.286	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	148014	20.375	ug/l	99
85) sec-Butylbenzene	13.17	105	170029	20.378	ug/l	100
86) p-Isopropyltoluene	13.29	119	156065	20.214	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	80024	20.835	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78163	20.400	ug/l	98
89) n-Butylbenzene	13.61	91	135074	20.519	ug/l	98
90) Hexachloroethane	13.87	117	28630	19.820	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	79086	20.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11872	20.625	ug/l	90

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QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47422	20.785	ug/l	100
94) Hexachlorobutadiene	15.01	225	26157	20.804	ug/l	99
95) Naphthalene	15.13	128	132952	20.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46729	21.042	ug/l	98

(#) = 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: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

Tot Ion:168 Resp: 175572

Ion Ratio Lower Upper

168 100

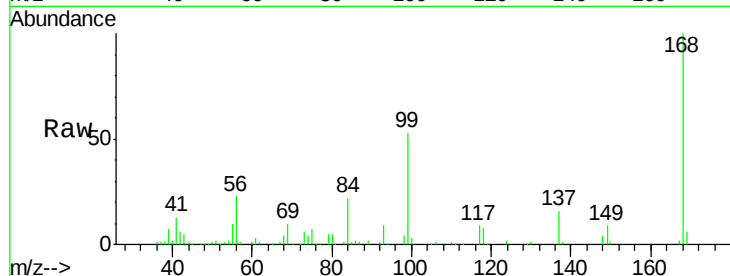
99 52.3 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

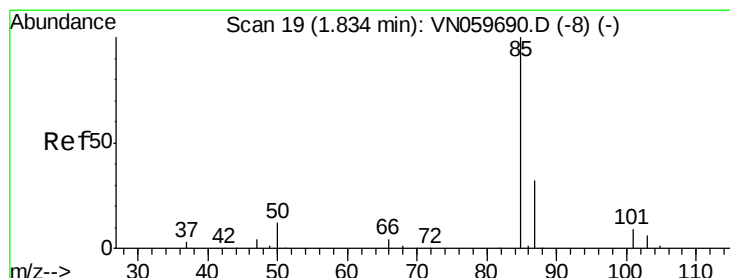
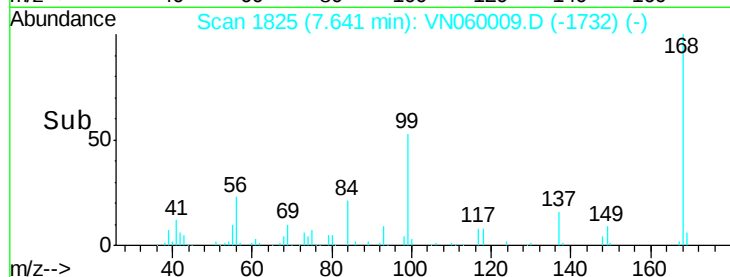
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 15.851 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060009.D

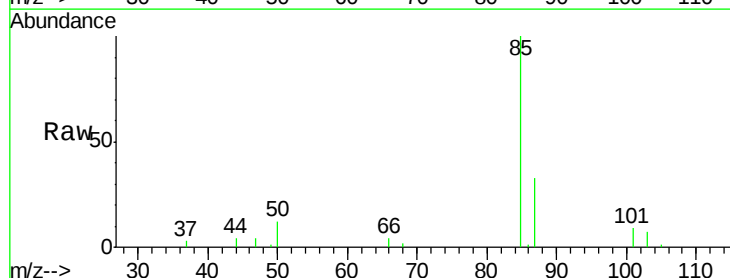
Acq: 6 Feb 2020 11:53

Tgt Ion: 85 Resp: 33550

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

25000

20000

15000

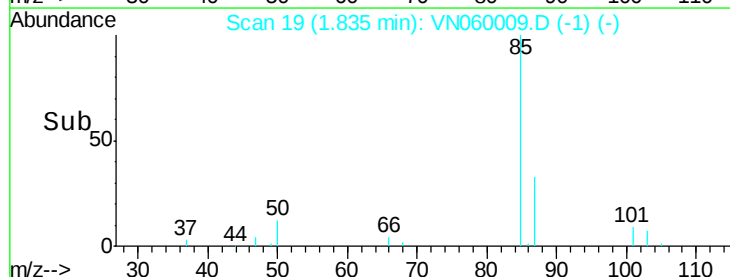
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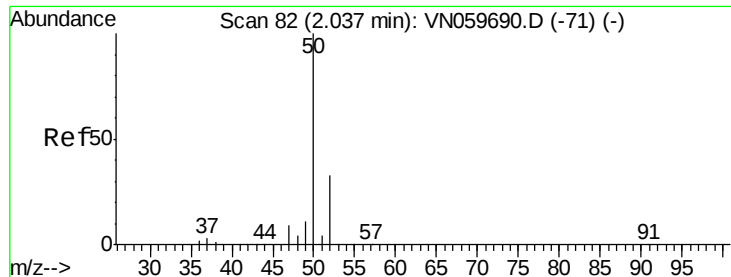
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.913 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

Tot Ion: 50 Resp: 33997

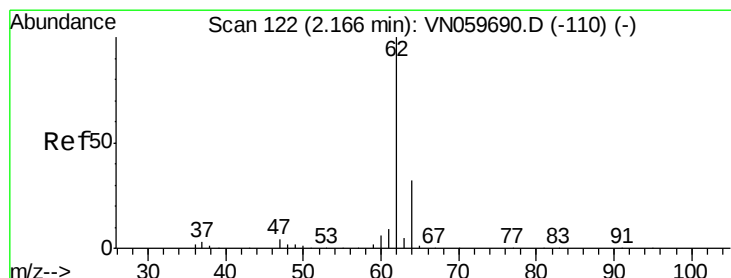
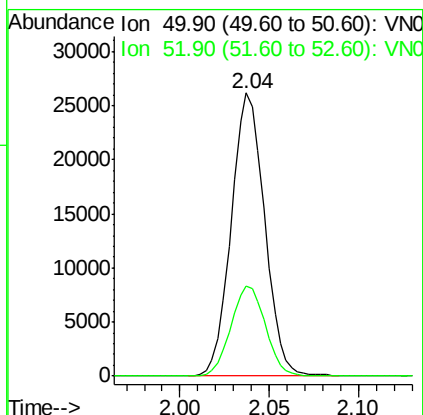
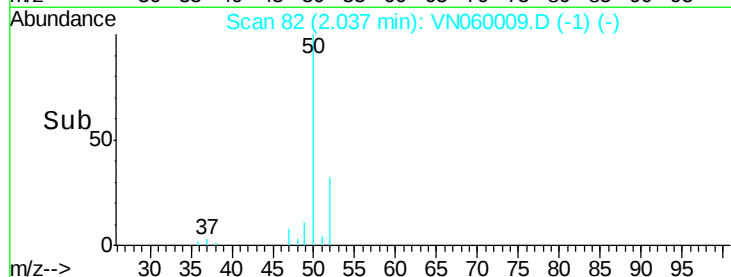
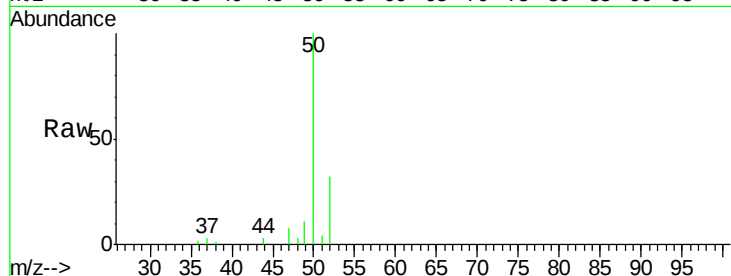
Ion Ratio Lower Upper

50 100

52 31.7 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.201 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060009.D

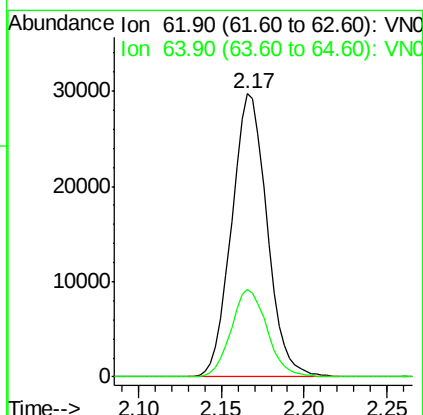
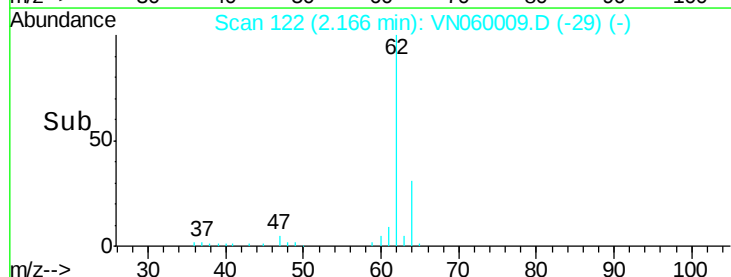
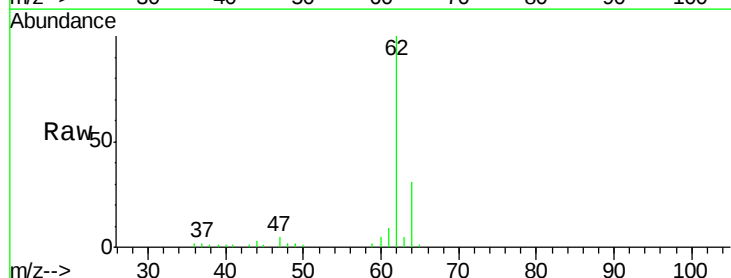
Acq: 6 Feb 2020 11:53

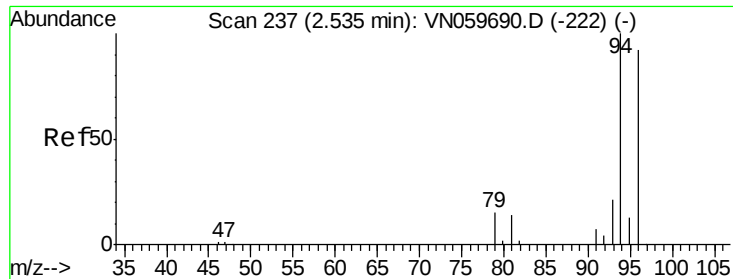
Tgt Ion: 62 Resp: 44160

Ion Ratio Lower Upper

62 100

64 31.0 24.6 37.0





#5

Bromomethane

Concen: 18.420 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tot Ion: 94 Resp: 25854

Ion Ratio Lower Upper

94 100

96 93.3 74.7 112.1

Instrument :

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ClientSampleId :

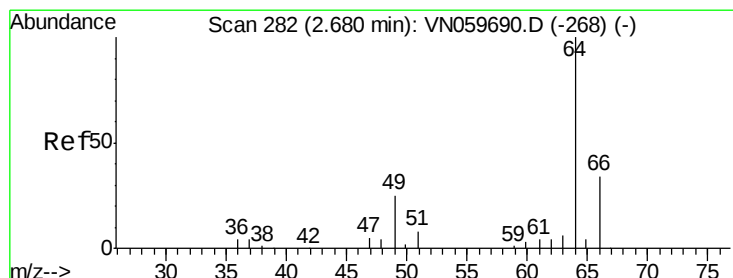
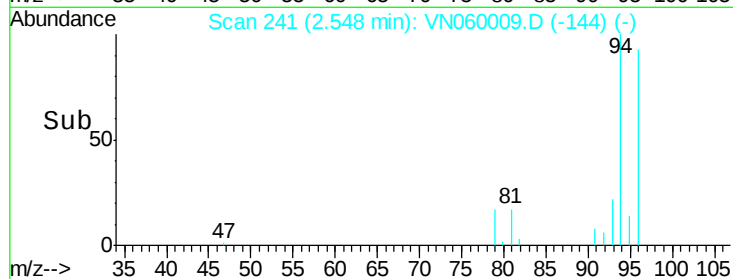
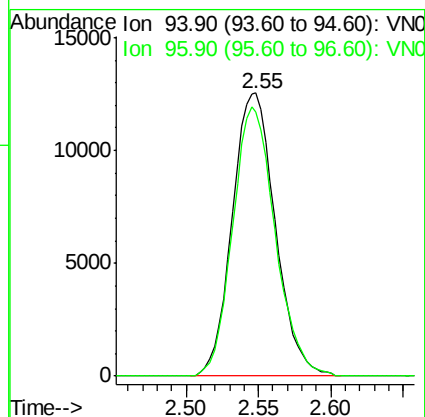
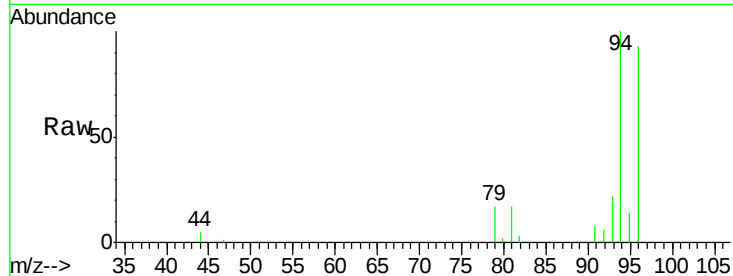
VN0206WBSD01

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#6

Chloroethane

Concen: 18.794 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN060009.D

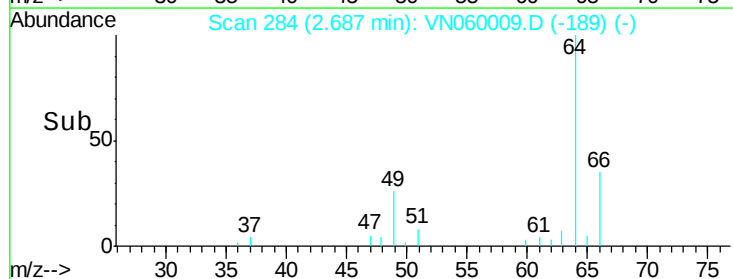
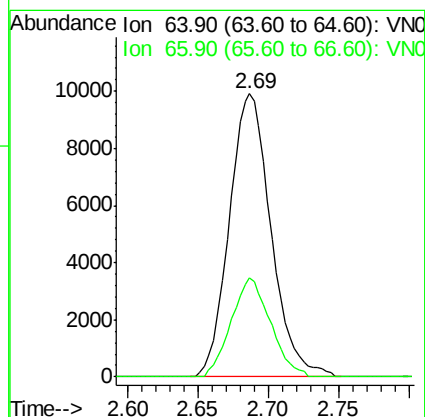
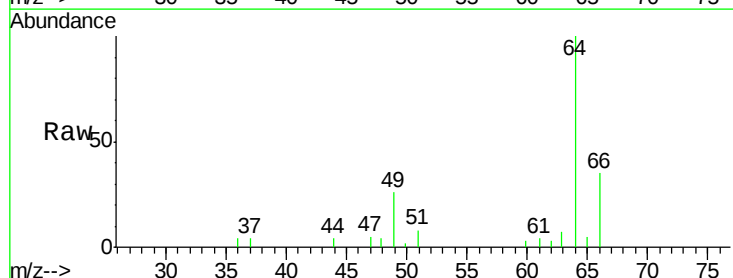
Acq: 6 Feb 2020 11:53

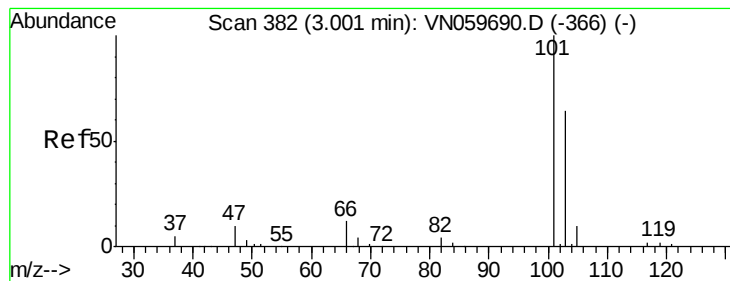
Tgt Ion: 64 Resp: 20449

Ion Ratio Lower Upper

64 100

66 35.1 25.1 37.7





#7

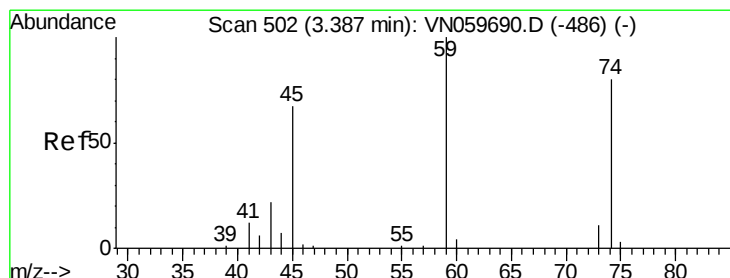
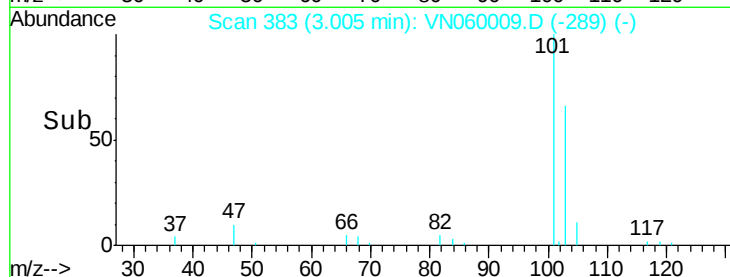
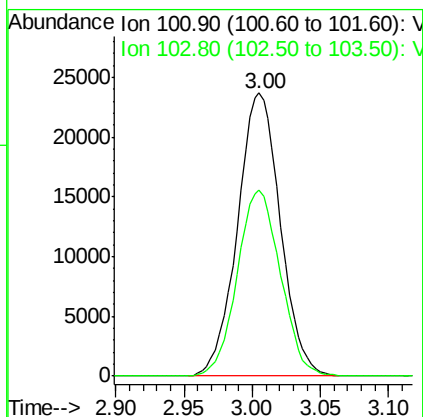
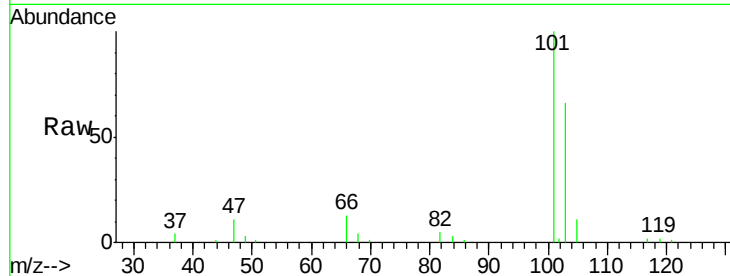
Trichlorofluoromethane
 Concen: 18.689 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060009.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.0	76.6

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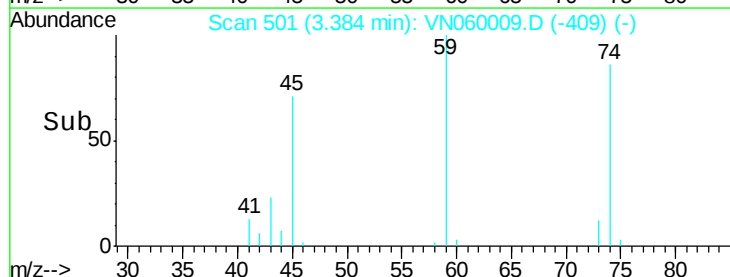
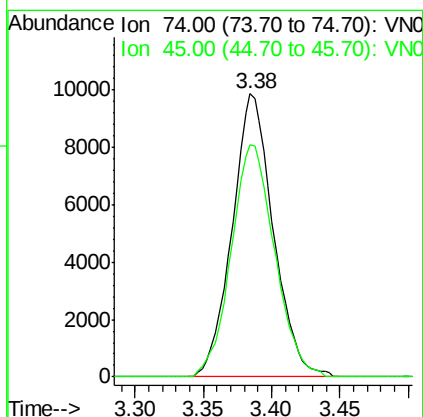
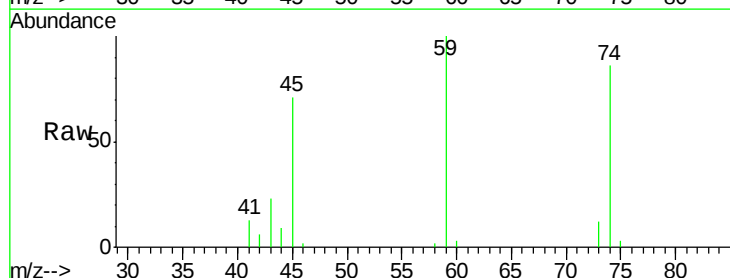
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 2/7/2020 1:44:38 PM

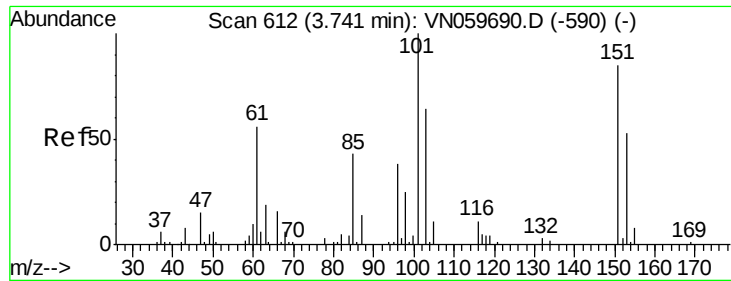


#8

Diethyl Ether
 Concen: 21.260 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.7	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.693 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

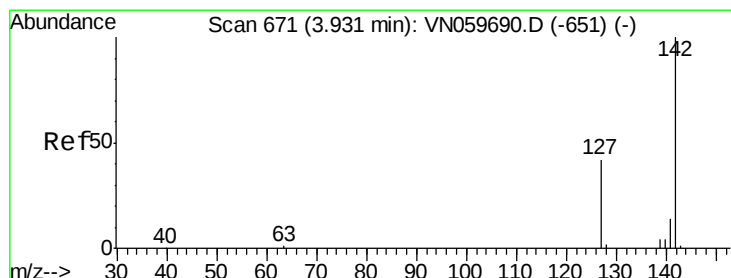
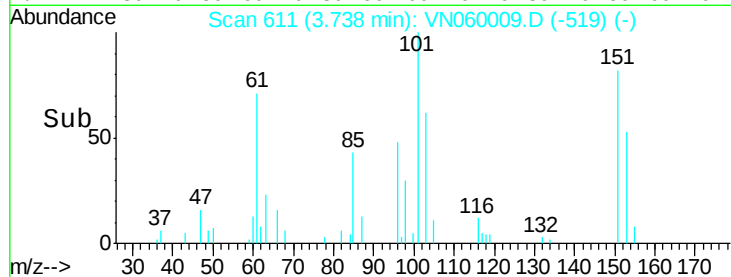
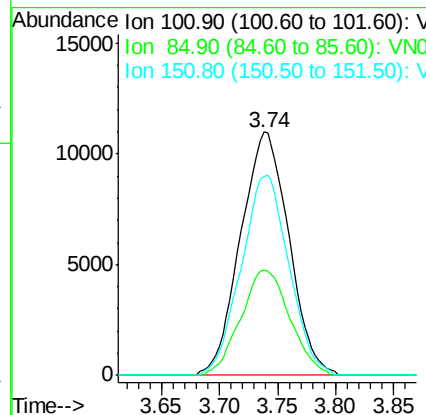
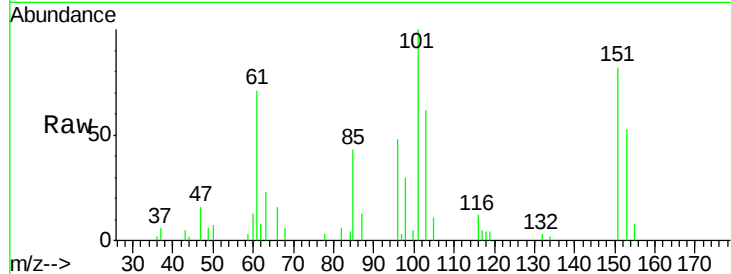
ClientSampleId :

VN0206WBSD01

Tot Ion:	101	Resp:	31810
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.6	54.8
151	81.5	59.7	89.5

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#10

Methyl Iodide

Concen: 16.087 ug/l

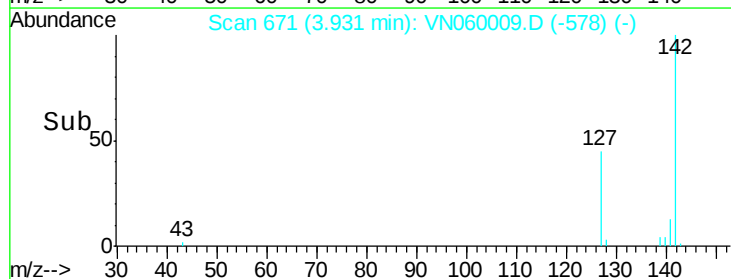
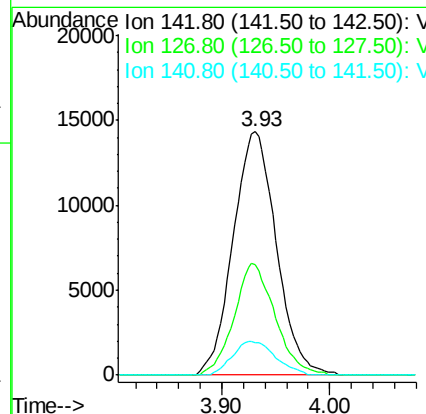
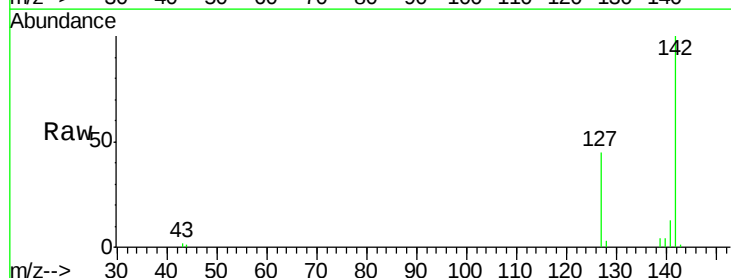
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	142	Resp:	39972
Ion Ratio	Lower	Upper	
142	100		
127	43.4	36.7	55.1
141	13.8	11.7	17.5





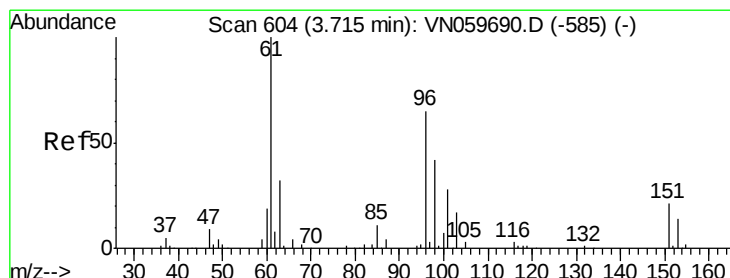
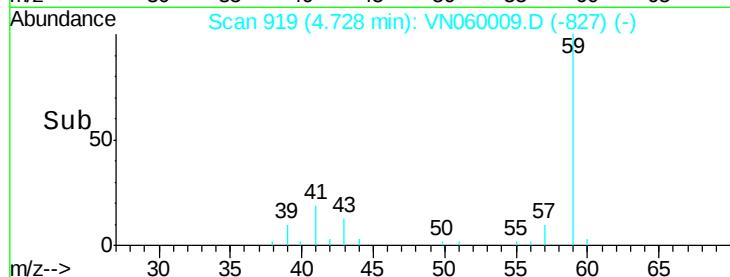
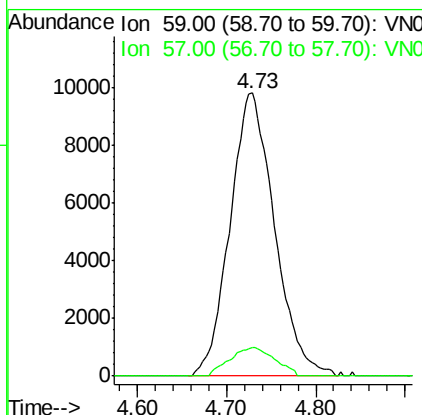
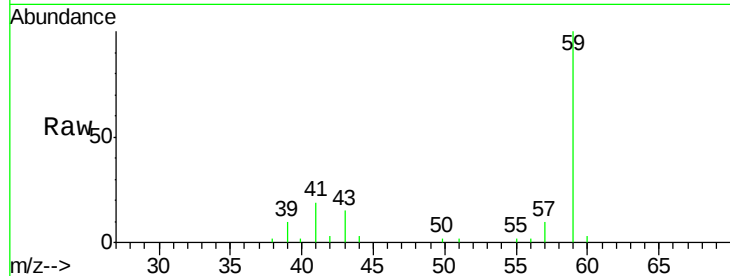
#11
Tert butyl alcohol
Concen: 103.838 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 59 Resp: 34083
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8

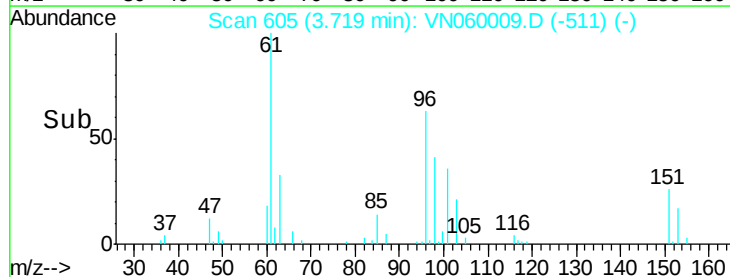
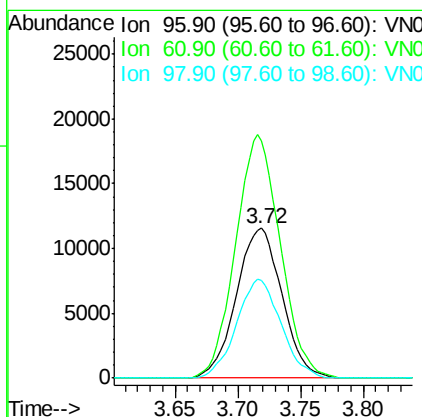
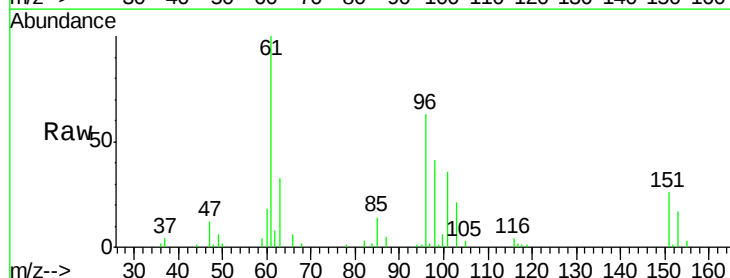
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 18.231 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion: 96 Resp: 29285
Ion Ratio Lower Upper
96 100
61 158.5 137.5 206.3
98 65.1 50.2 75.4





#13

Acrolein

Concen: 58.532 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

Tot Ion: 56 Resp: 13600

Ion Ratio Lower Upper

56 100

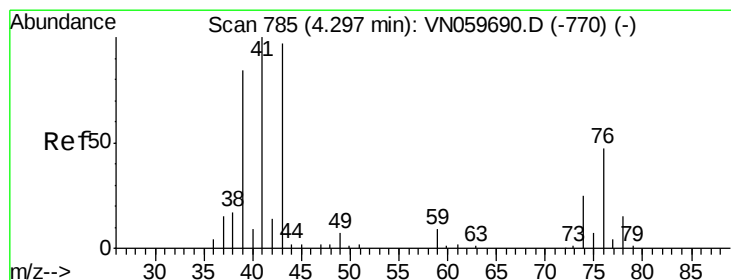
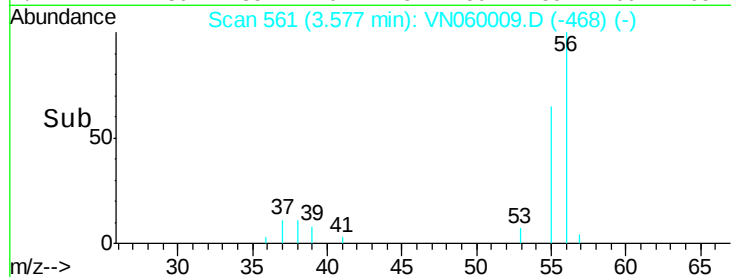
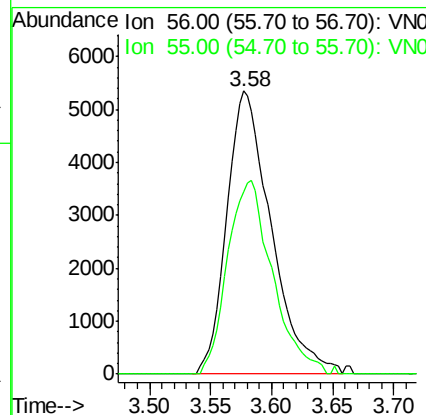
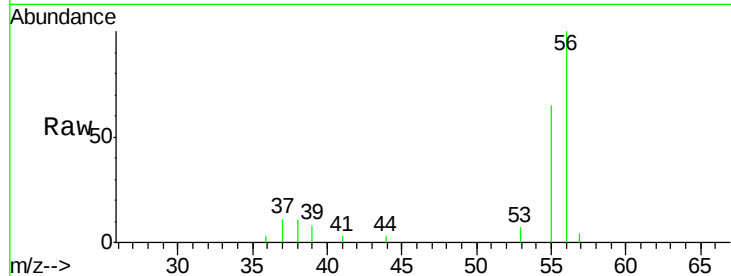
55 68.9 58.6 88.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.917 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

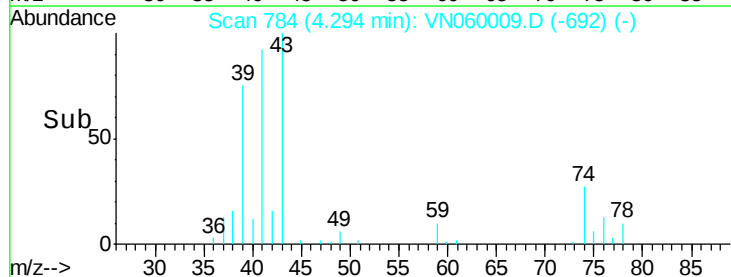
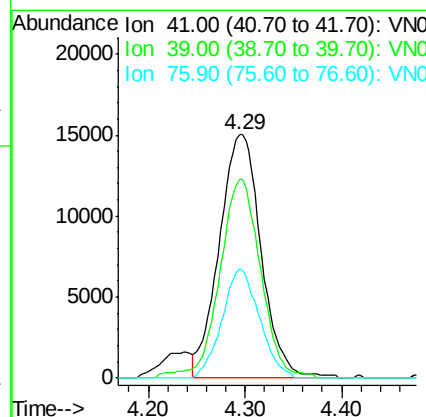
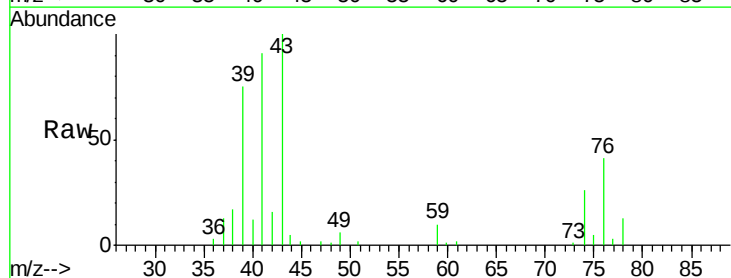
Tgt Ion: 41 Resp: 45287

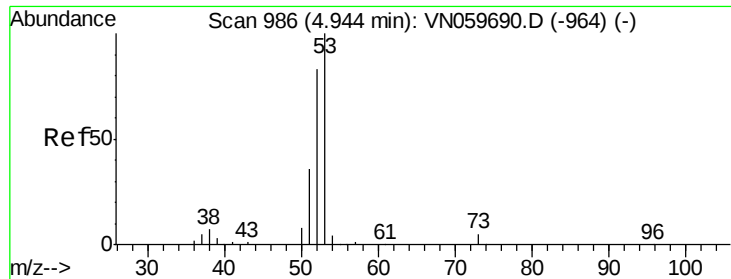
Ion Ratio Lower Upper

41 100

39 79.9 57.8 86.8

76 40.1 25.4 38.0#





#15

Acrylonitrile

Concen: 108.699 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

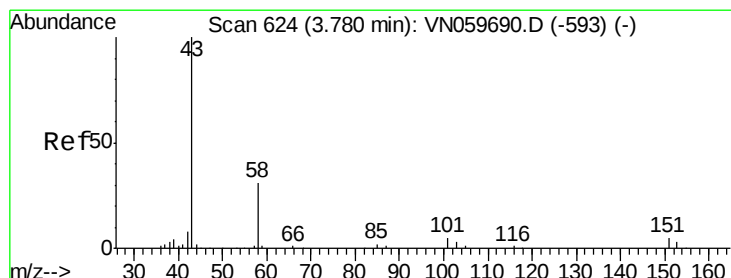
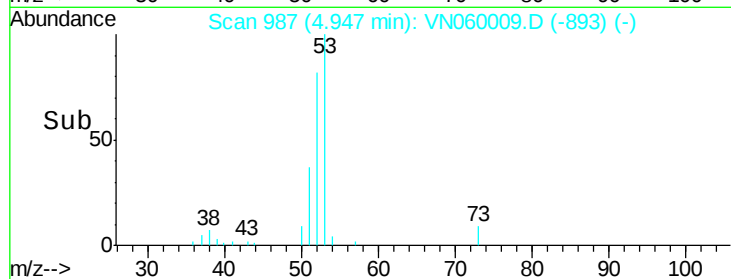
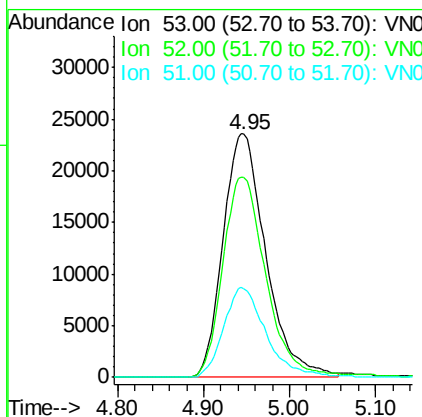
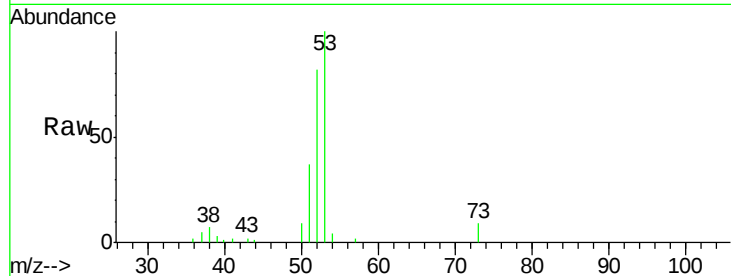
ClientSampleId :

VN0206WBSD01

Tot Ion:	53	Resp:	81386
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.3	99.5
51	36.6	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 131.272 ug/l

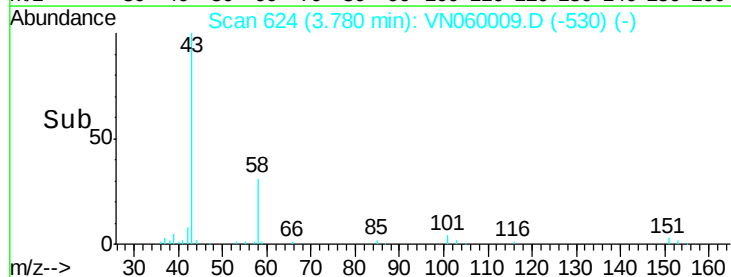
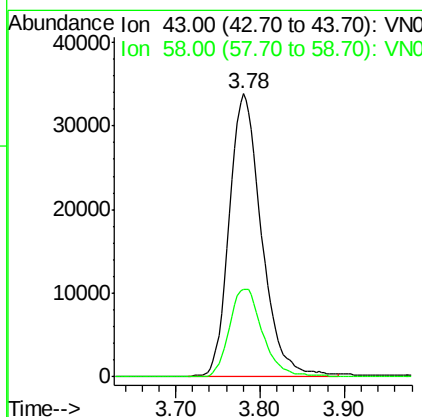
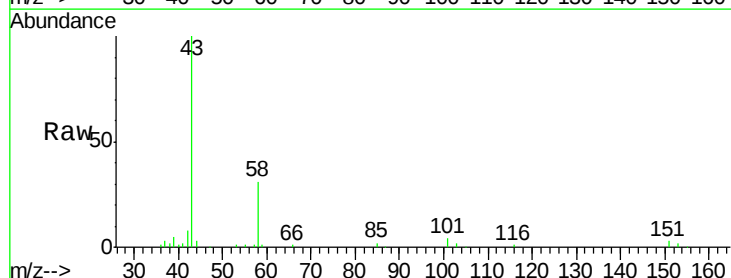
RT: 3.78 min Scan# 624

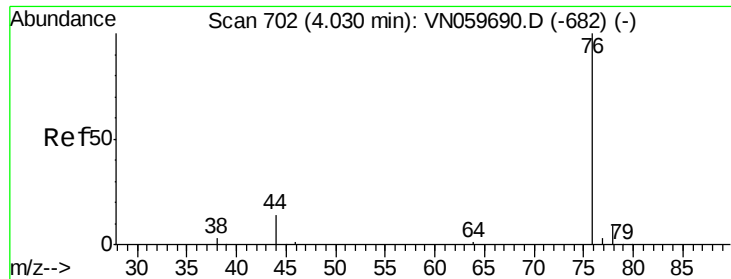
Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	43	Resp:	90459
Ion	Ratio	Lower	Upper
43	100		
58	30.9	23.6	35.4





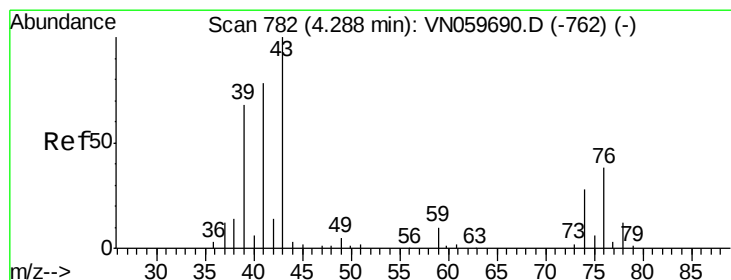
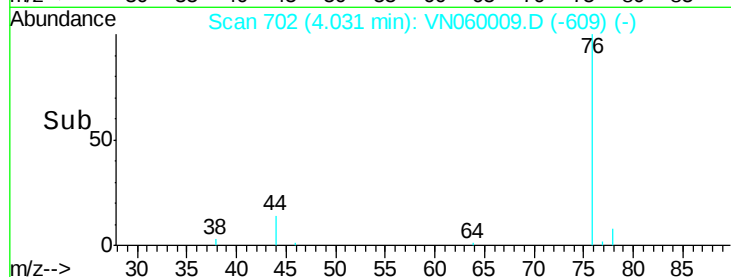
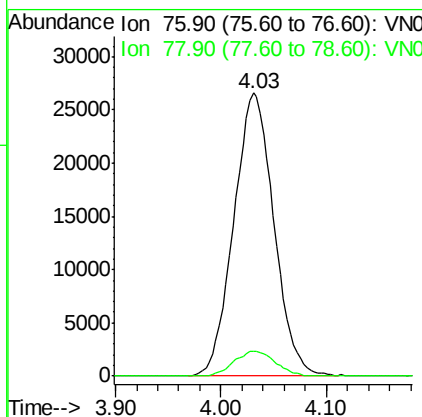
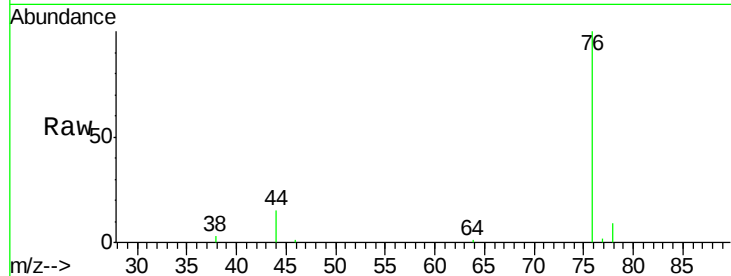
#17
Carbon Disulfide
Concen: 15.348 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 76 Resp: 70232
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

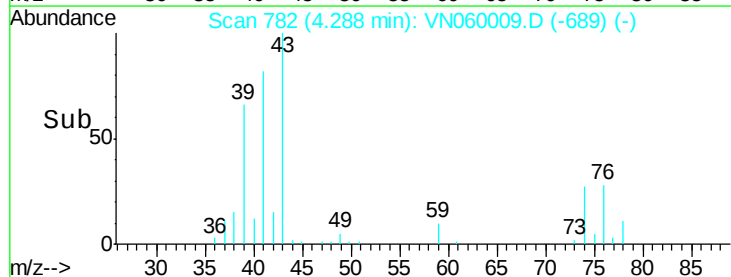
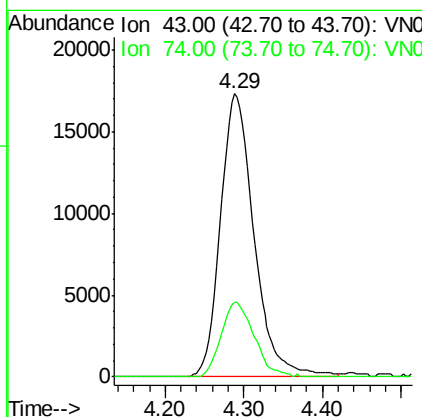
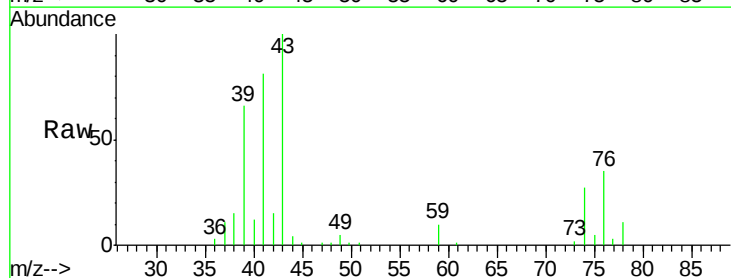
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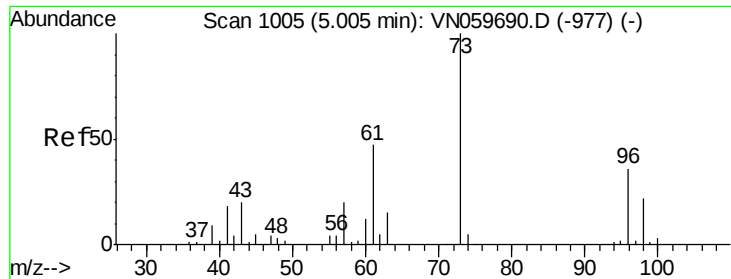
MMDadoda
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#18
Methyl Acetate
Concen: 22.455 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion: 43 Resp: 51140
Ion Ratio Lower Upper
43 100
74 25.9 17.5 26.3





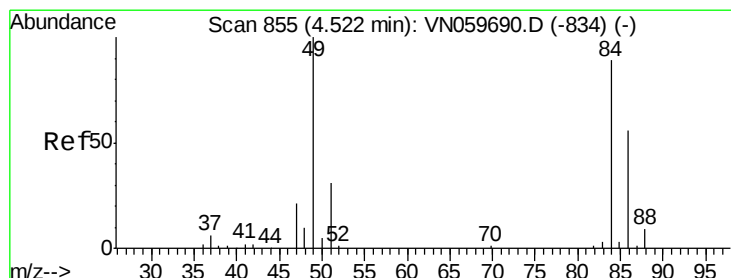
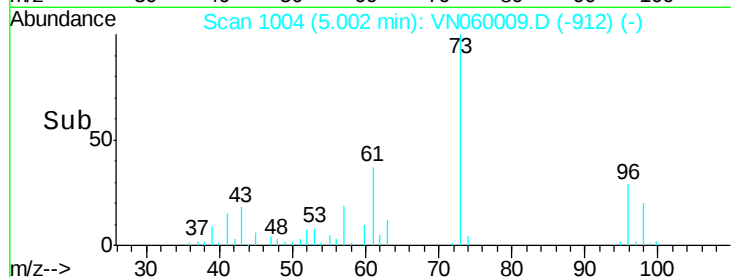
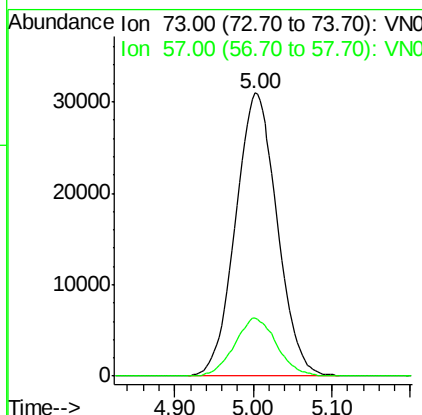
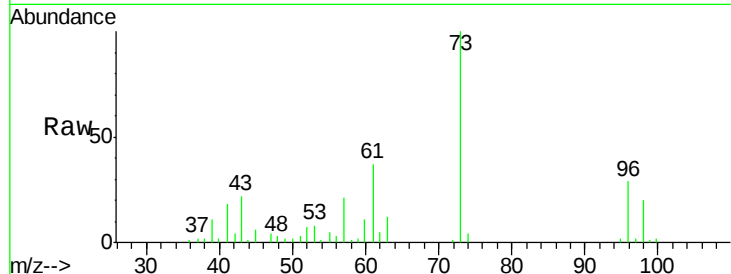
#19
Methvl tert-butvl Ether
Concen: 21.942 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 73 Resp: 114915
Ion Ratio Lower Upper
73 100
57 20.5 18.6 27.8

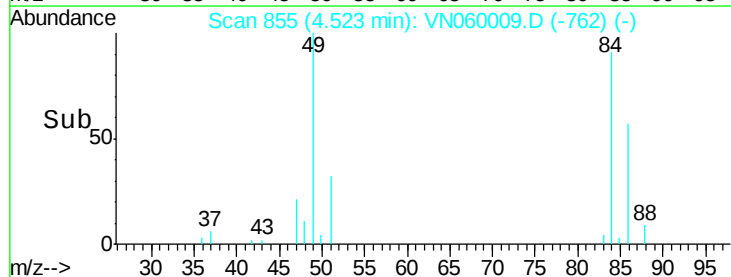
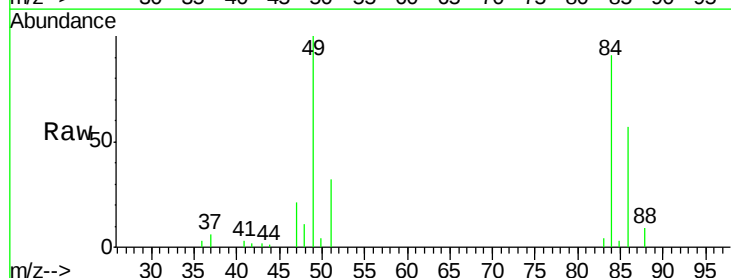
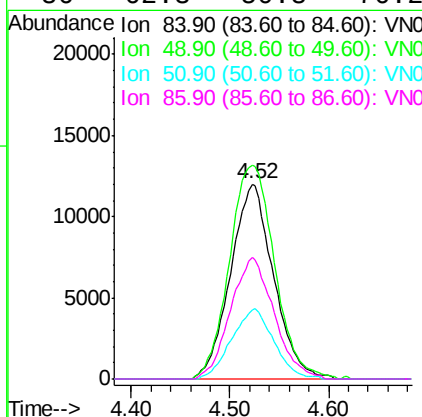
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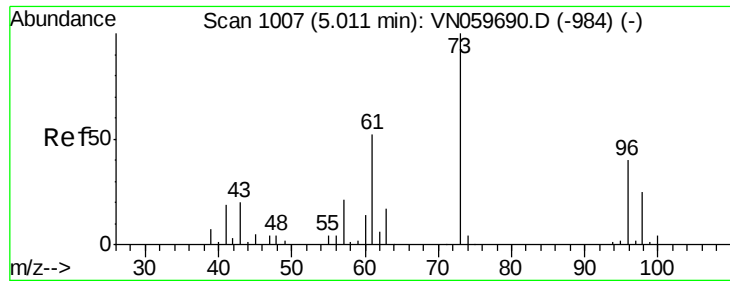
MMDadoda
2/7/2020 1:44:38 PM



#20
Methylene Chloride
Concen: 19.846 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion: 84 Resp: 36386
Ion Ratio Lower Upper
84 100
49 109.6 106.6 160.0
51 35.5 31.9 47.9
86 62.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.539 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

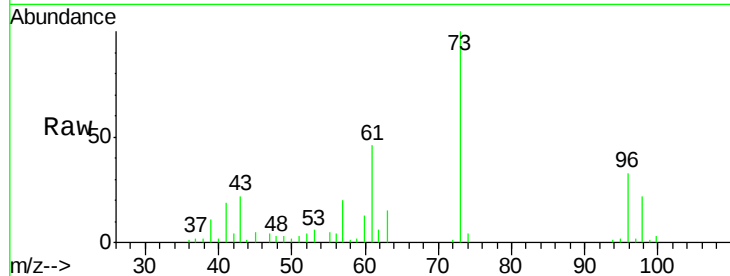
ClientSampleId :

VN0206WBSD01

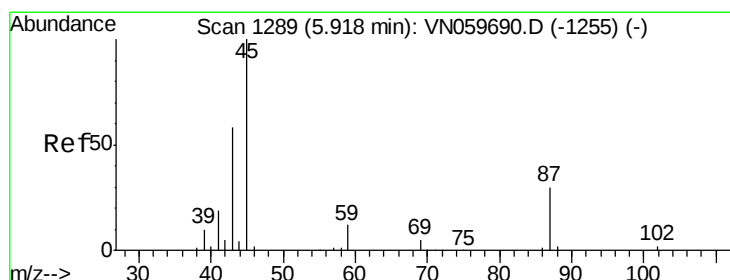
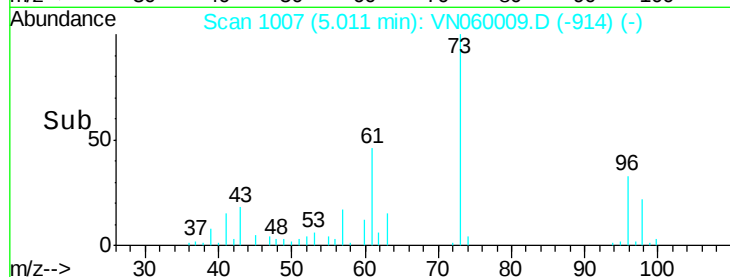
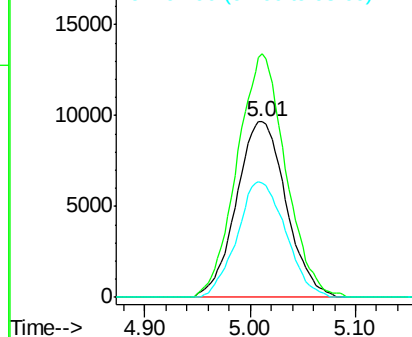
Tot Ion:	96	Resp:	31654
Ion	Ratio	Lower	Upper
96	100		
61	138.6	120.4	180.6
98	64.8	50.6	75.8

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.648 ug/l

RT: 5.91 min Scan# 1288

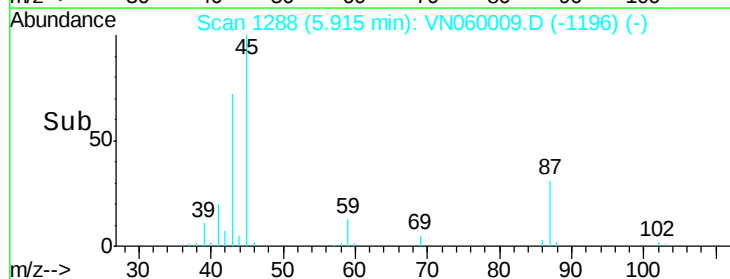
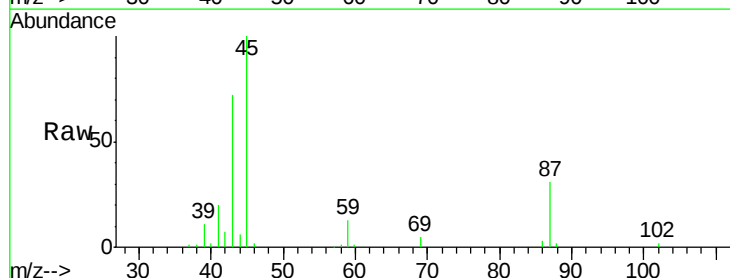
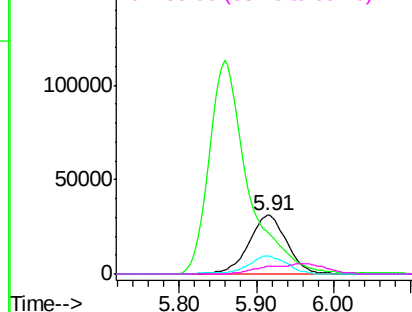
Delta R.T. -0.00 min

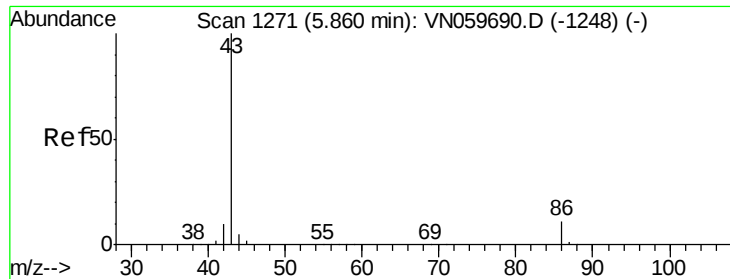
Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	45	Resp:	106215
Ion	Ratio	Lower	Upper
45	100		
43	68.9	50.8	76.2
87	31.3	21.0	31.6
59	13.2	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 104.027 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

Tot Ion: 43 Resp: 395183

Ion Ratio Lower Upper

43 100

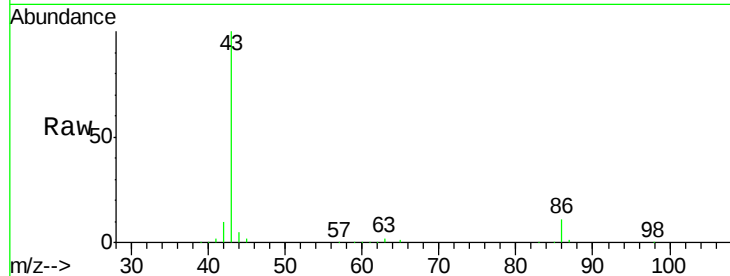
86 10.9 7.6 11.4

Manual Integrations

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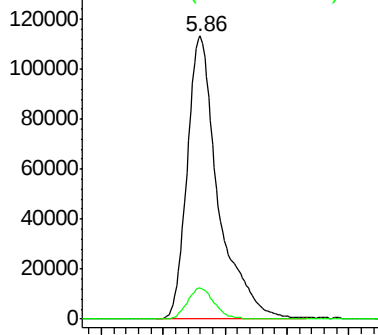
MMDadoda

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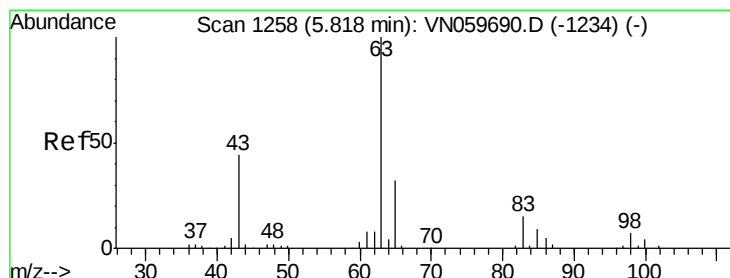
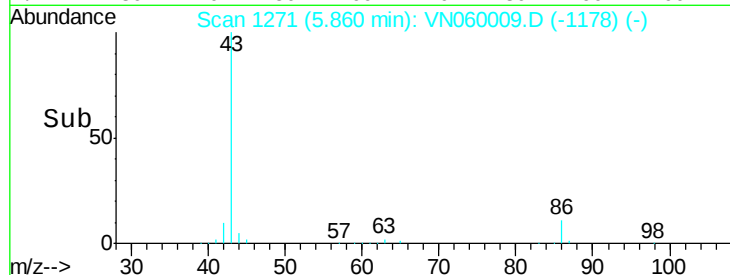


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.374 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

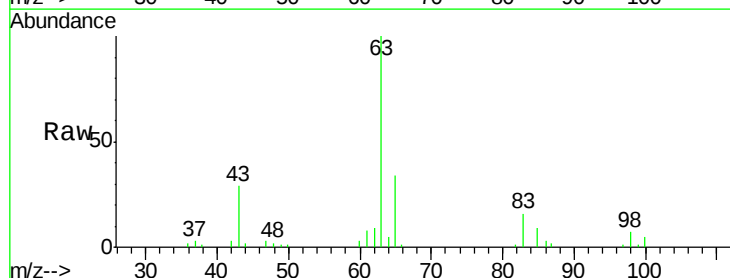
Tgt Ion: 63 Resp: 61081

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.7

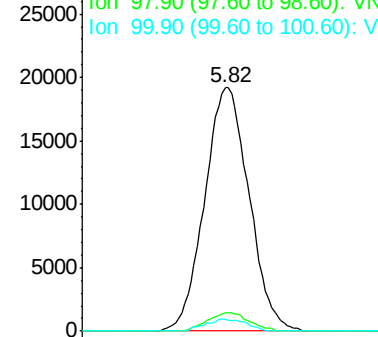
100 4.9 2.0 6.0



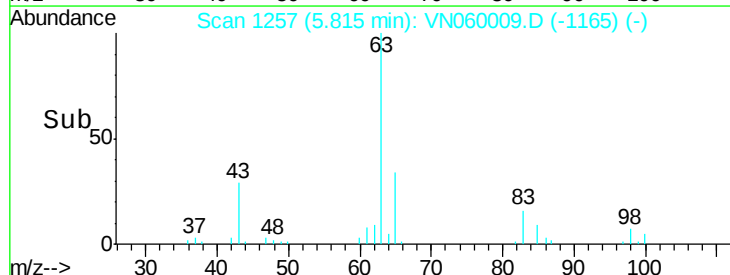
Abundance Ion 62.90 (62.60 to 63.60): VN0

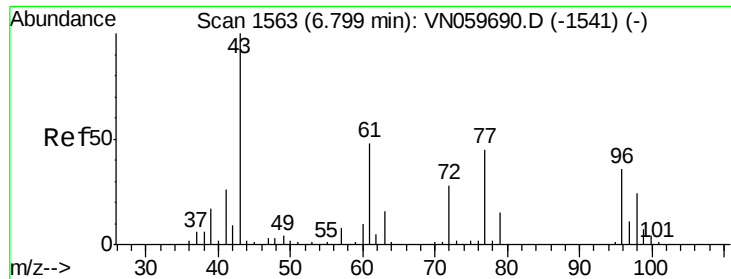
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 107.304 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

Tot Ion: 43 Resp: 118479

Ion Ratio Lower Upper

43 100

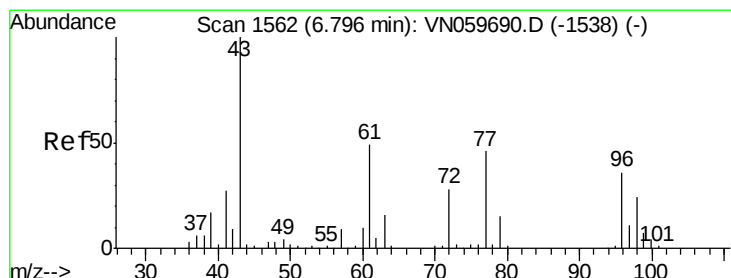
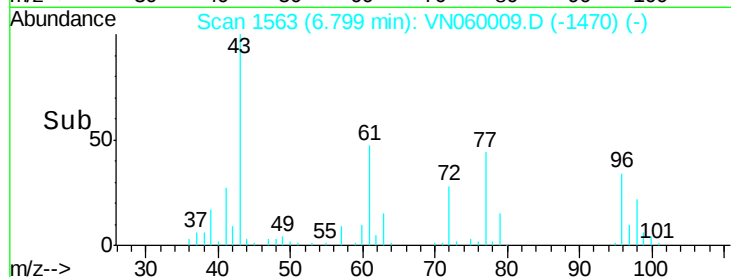
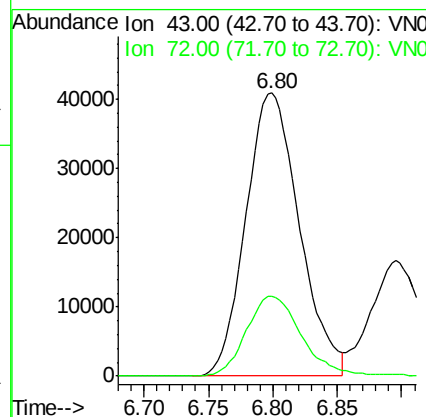
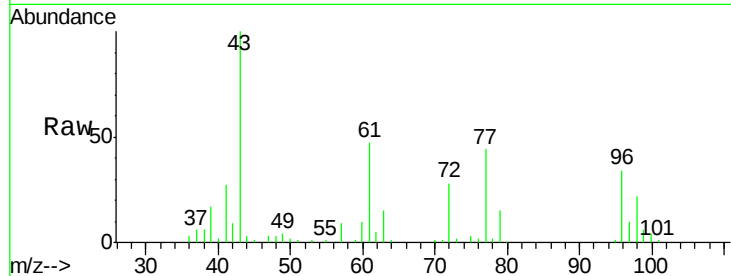
72 28.3 19.9 29.9

Manual Integrations

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2/7/2020 1:44:38 PM



#26

2,2-Dichloropropane

Concen: 20.242 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060009.D

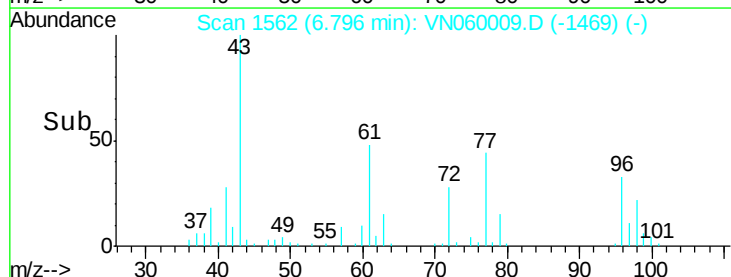
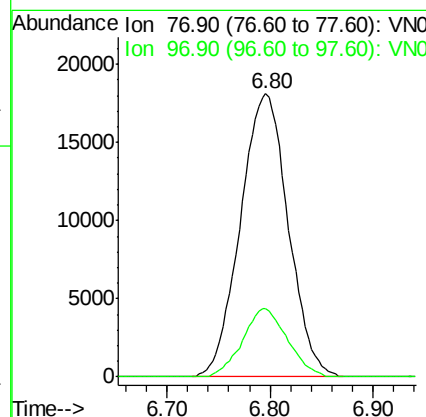
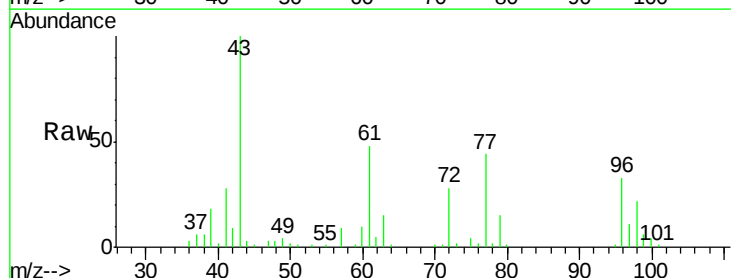
Acq: 6 Feb 2020 11:53

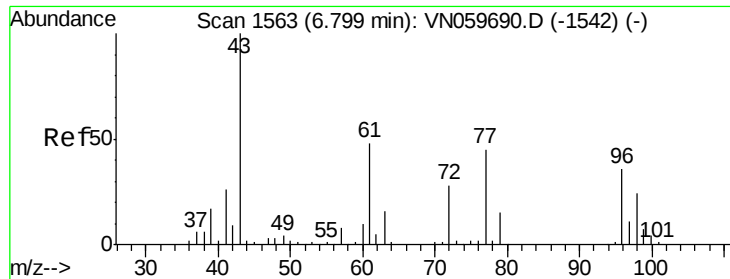
Tgt Ion: 77 Resp: 58343

Ion Ratio Lower Upper

77 100

97 22.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.557 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

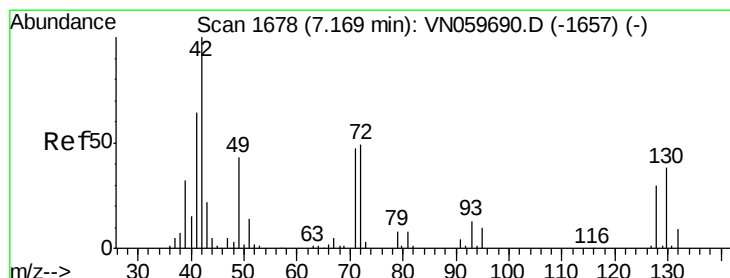
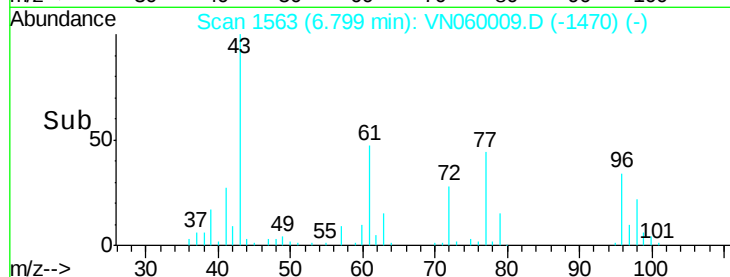
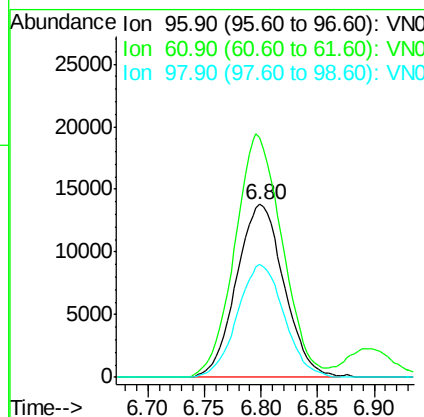
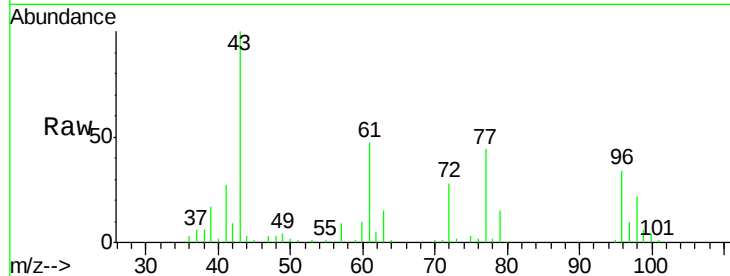
ClientSampleId :

VN0206WBSD01

Tot Ion	96	Resp	40372
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	317.6
98	64.2	0.0	127.0

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#28

Bromochloromethane

Concen: 19.920 ug/l

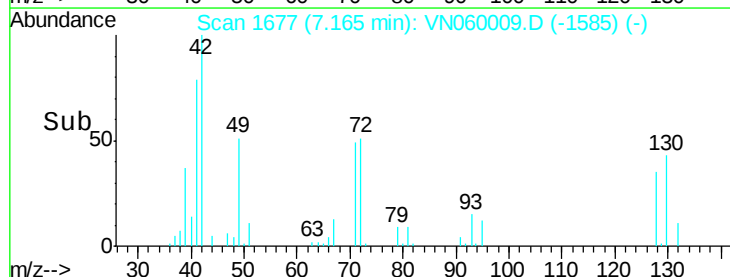
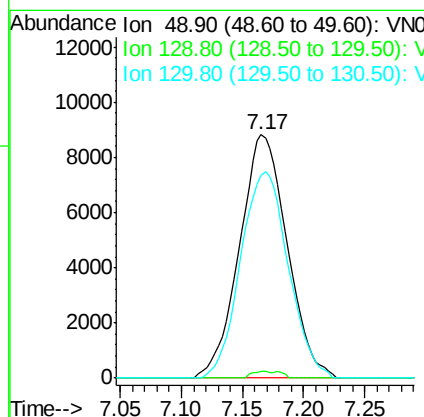
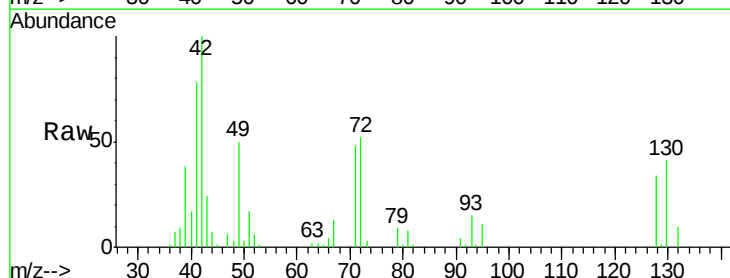
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion	49	Resp	23869
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	84.9	54.7	82.1#





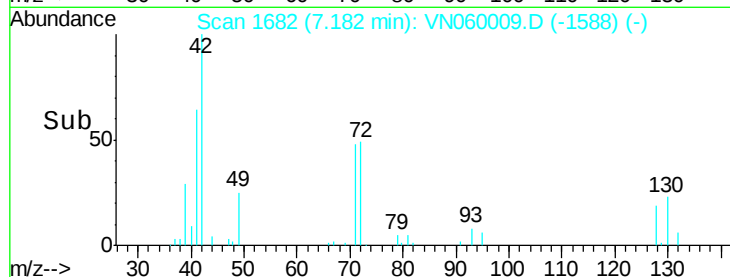
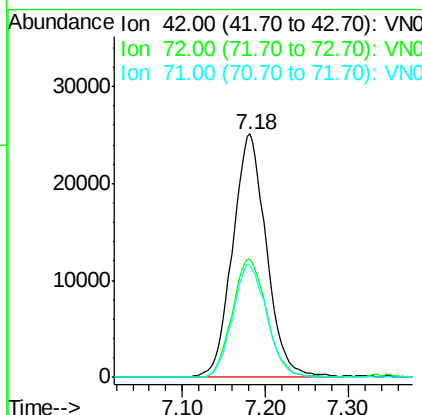
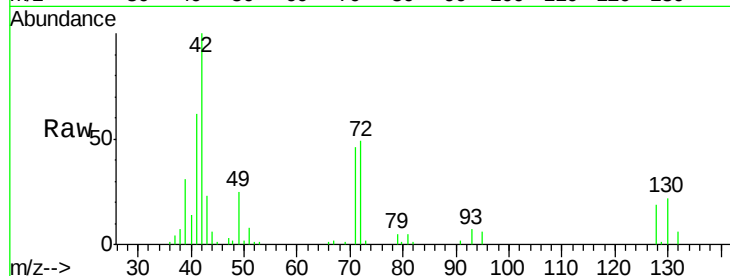
#29
Tetrahydrofuran
Concen: 104.275 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	33.1	49.7
71	46.7	31.4	47.0

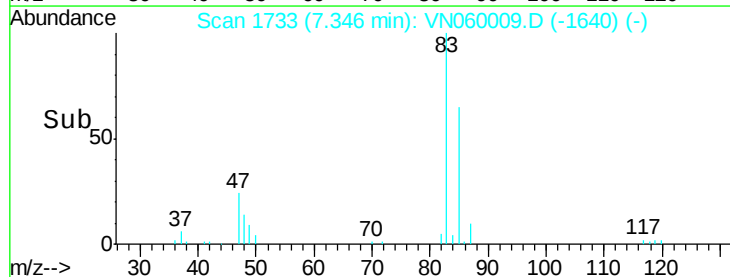
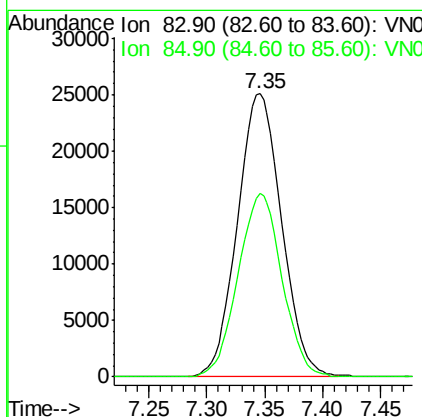
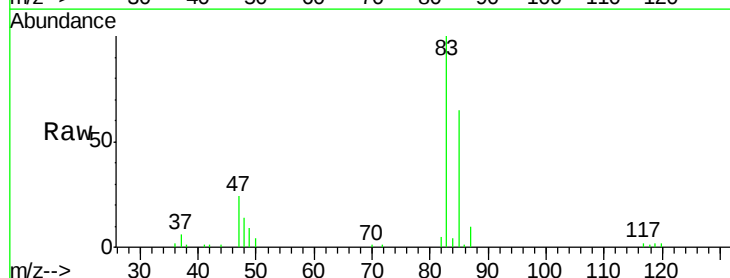
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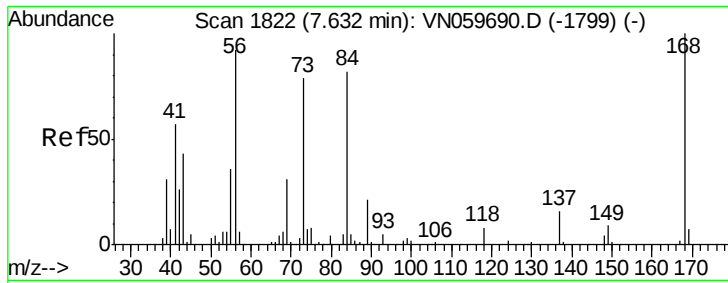
MMDadoda
2/7/2020 1:44:38 PM



#30
Chloroform
Concen: 21.429 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





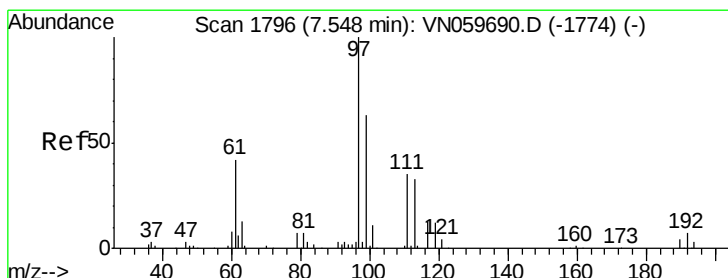
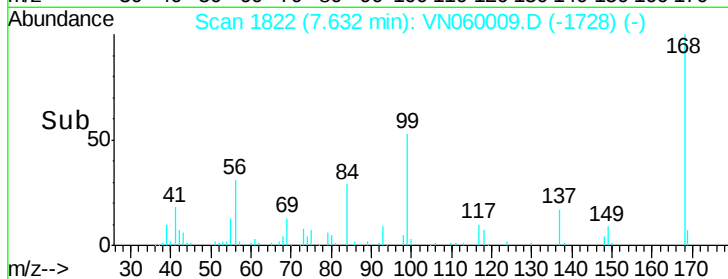
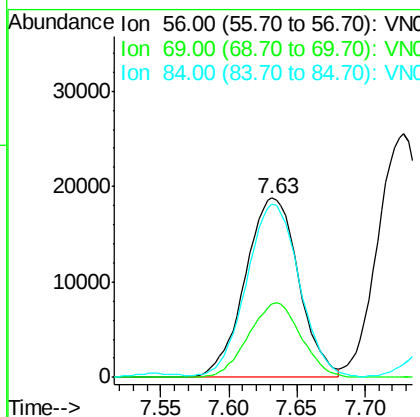
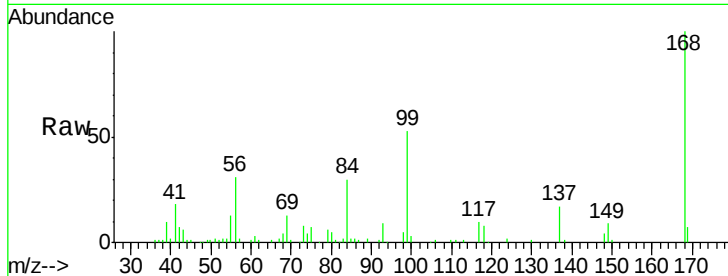
#31
Cyclohexane
Concen: 17.745 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	26.5	39.7#
84	95.7	65.3	97.9

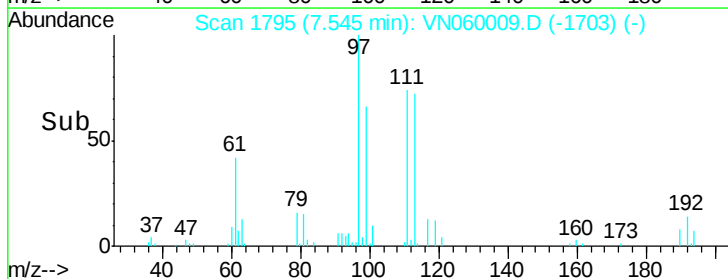
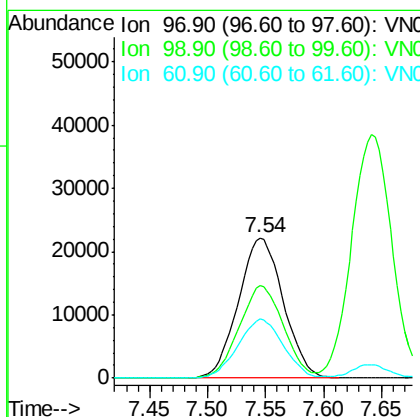
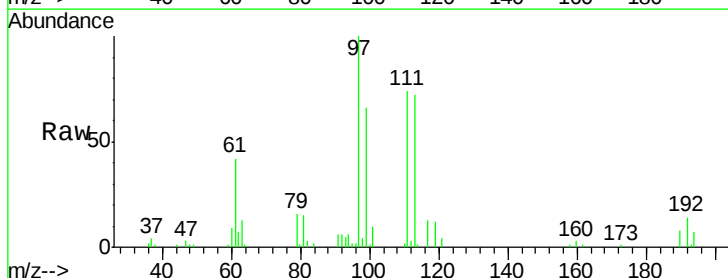
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#32
1,1,1-Trichloroethane
Concen: 20.767 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.4
61	42.3	38.5	57.7





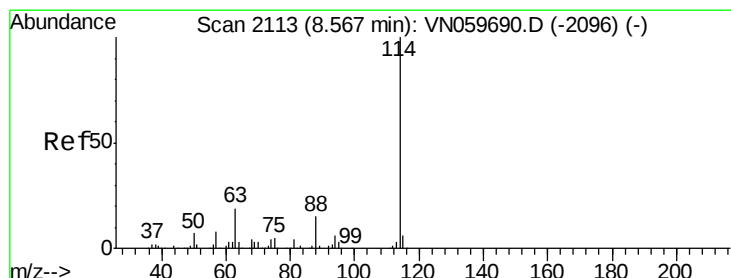
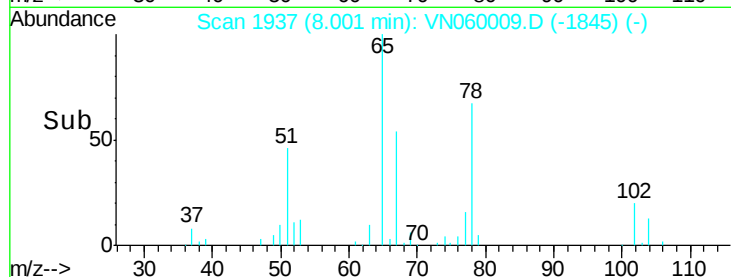
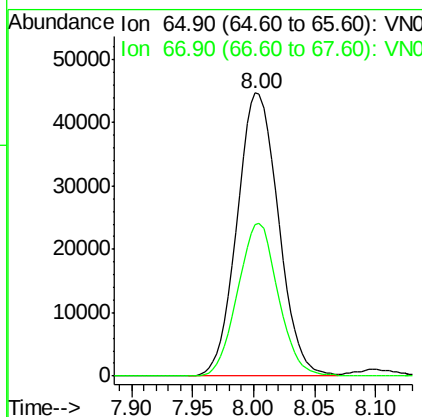
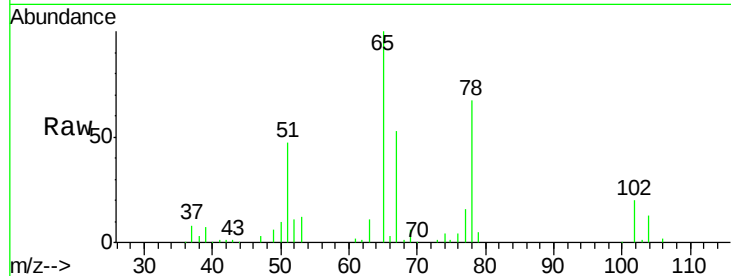
#33
 1,2-Dichloroethane-d4
 Concen: 53.865 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.0	

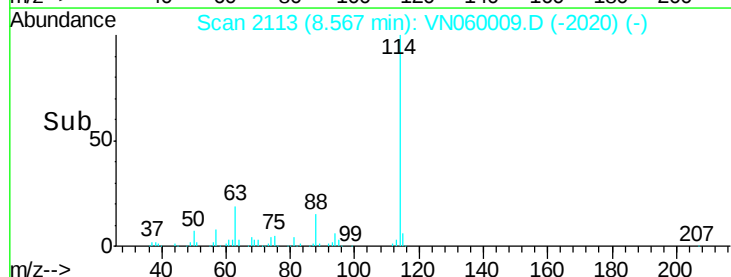
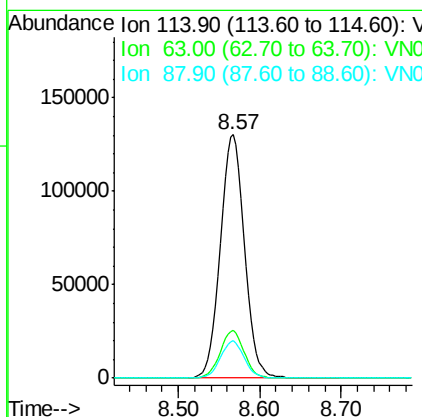
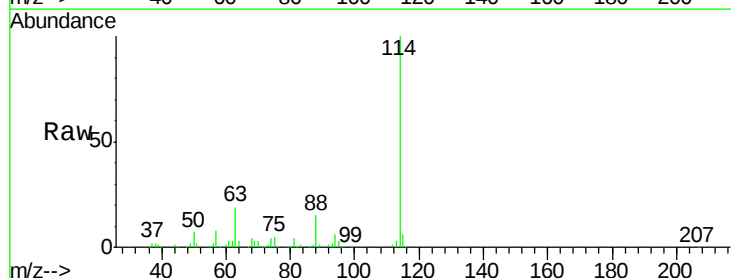
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	43.6	
88	15.2	0.0	31.4	





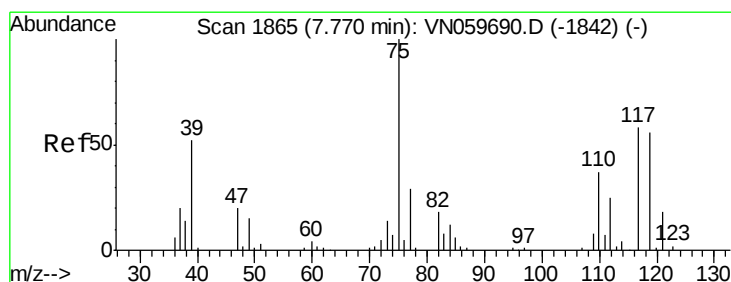
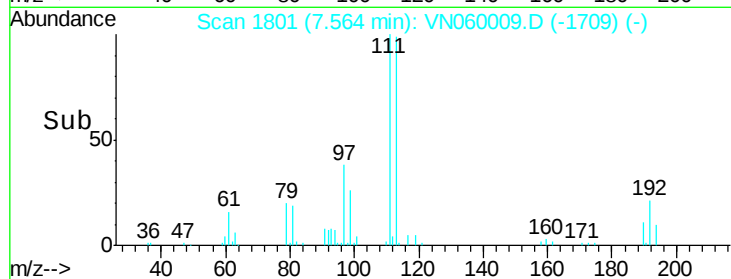
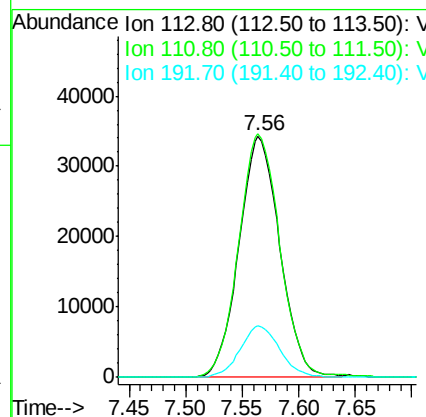
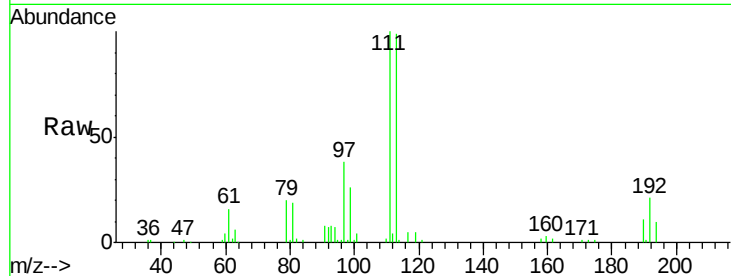
#35
 Dibromofluoromethane
 Concen: 52.685 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.5	125.3
192	20.7	15.4	23.2

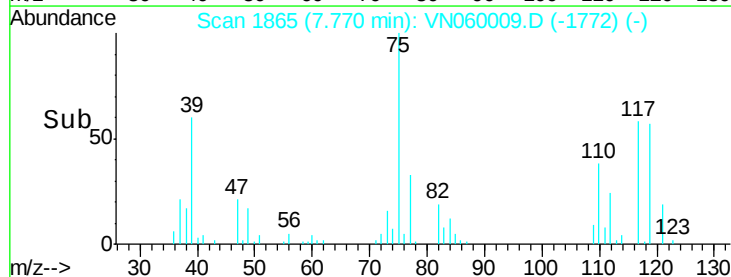
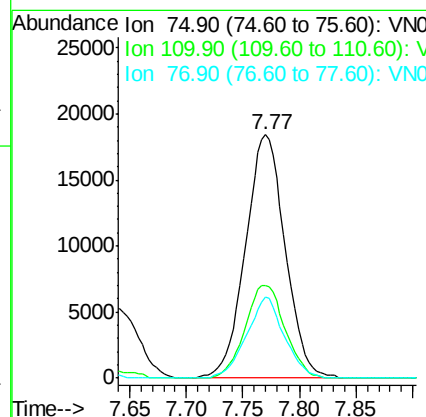
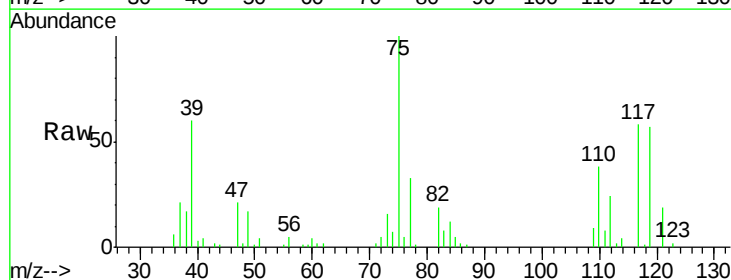
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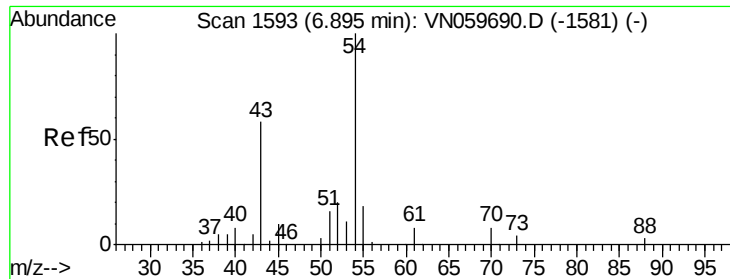
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#36
 1,1-Dichloropropene
 Concen: 18.867 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	16.6	49.7
77	31.5	25.1	37.7





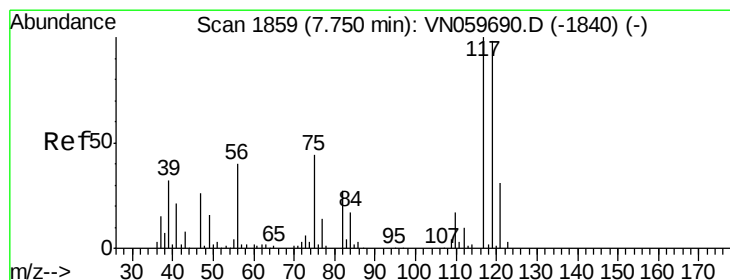
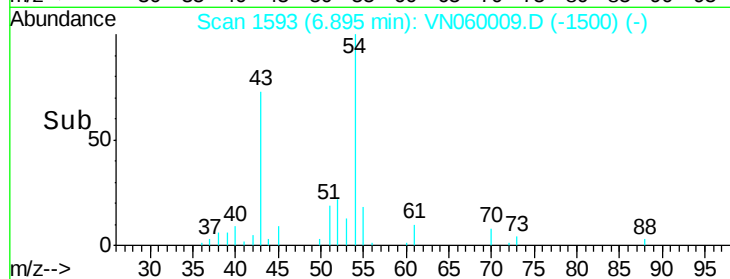
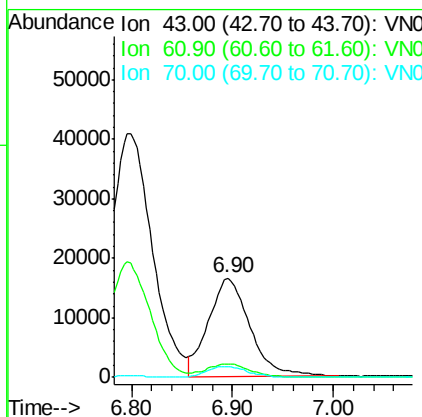
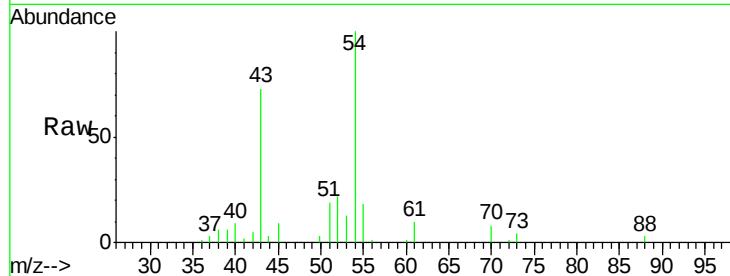
#37
Ethyl Acetate
Concen: 21.048 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampled :
VN0206WBSD01

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	14.3	10.8
Lower		10.9	7.7
Upper		16.3	11.5

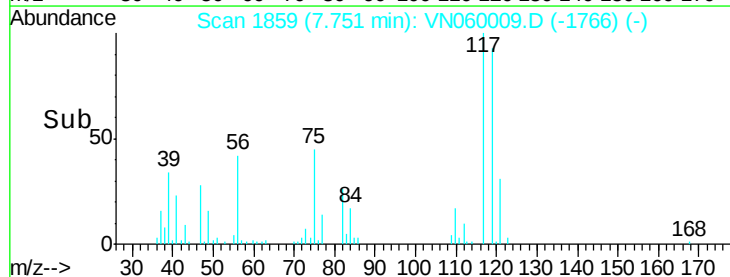
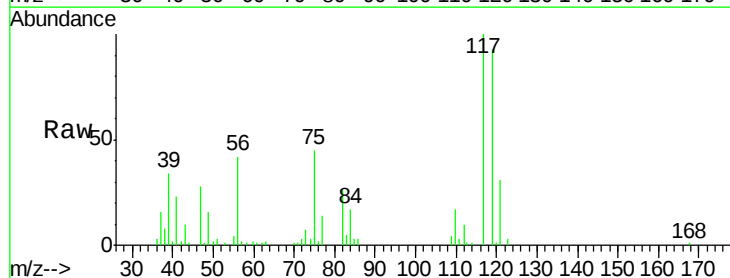
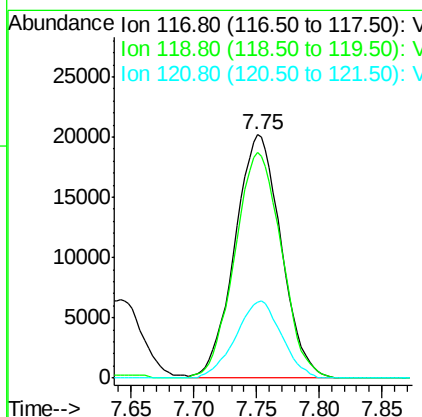
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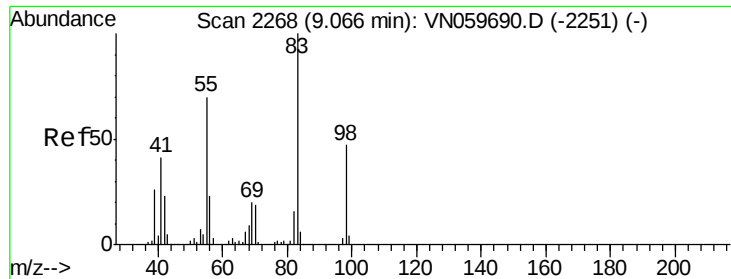
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#38
Carbon Tetrachloride
Concen: 19.959 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	92.6	31.2
Lower		76.5	25.1
Upper		114.7	37.7





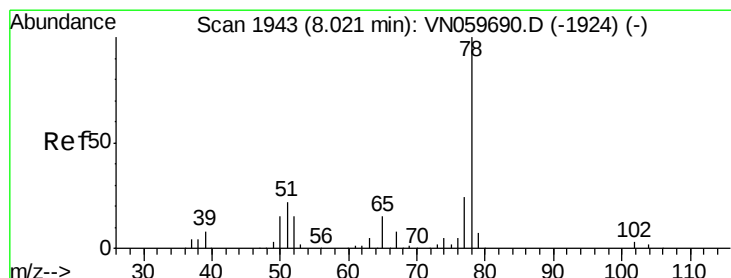
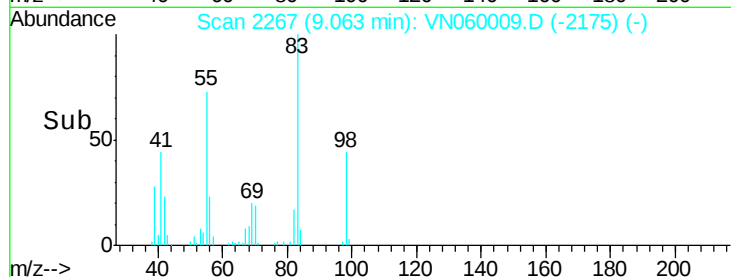
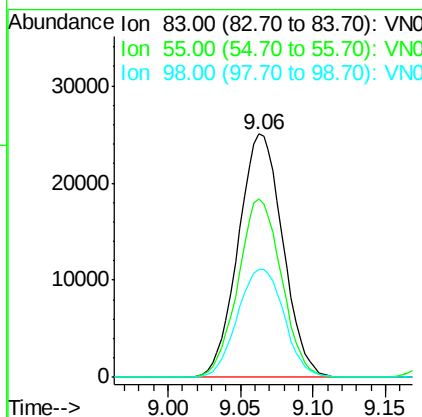
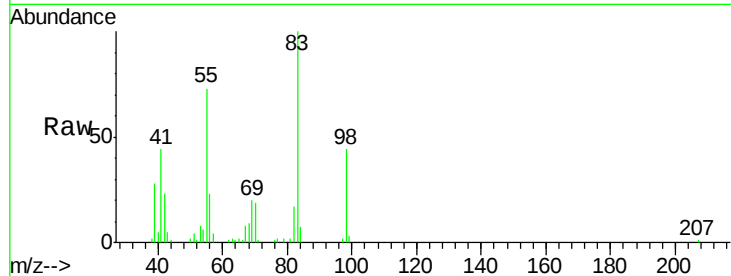
#39
Methvlcvclohexane
Concen: 18.249 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	64.2	96.2
98	44.2	35.9	53.9

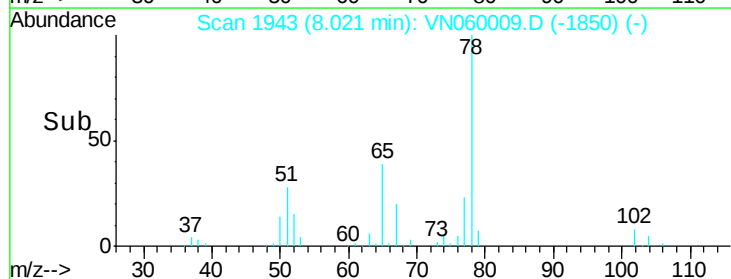
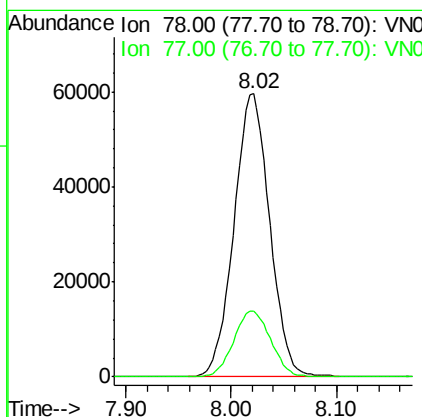
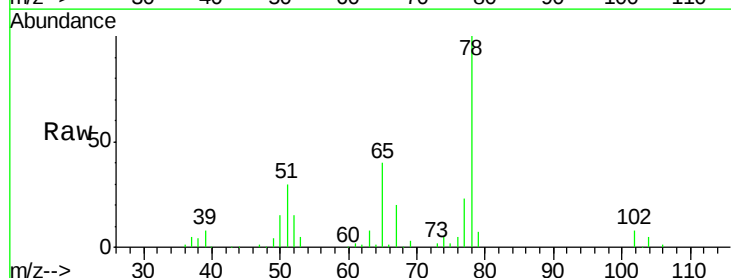
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#40
Benzene
Concen: 19.714 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





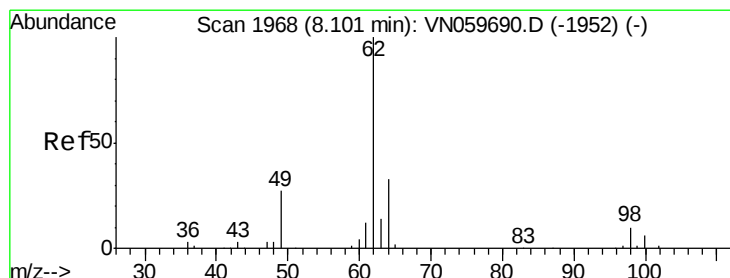
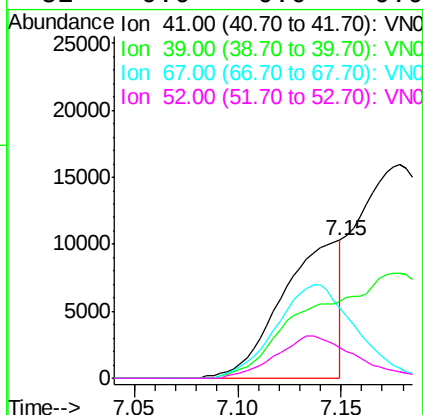
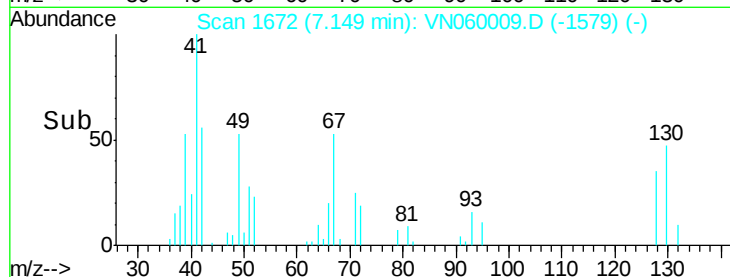
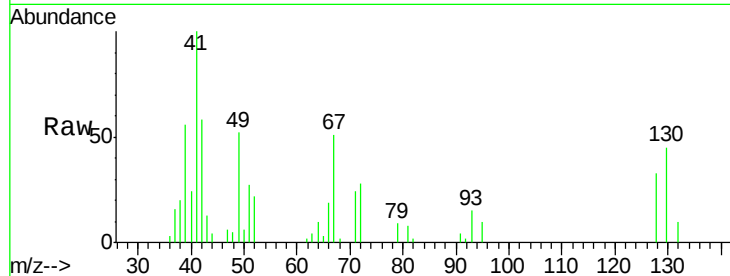
#41
Methacrylonitrile
Concen: 18.492 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	173.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

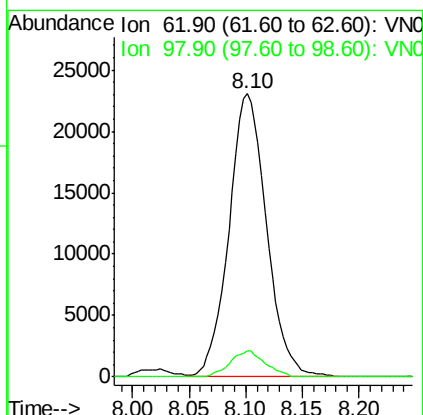
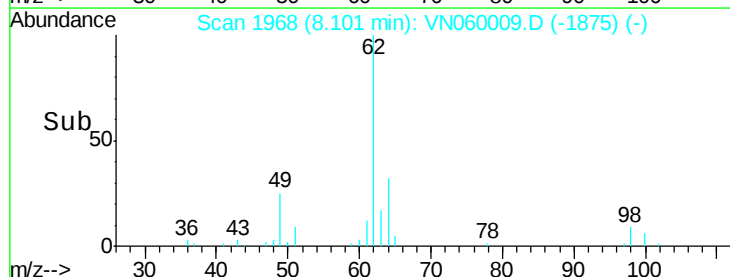
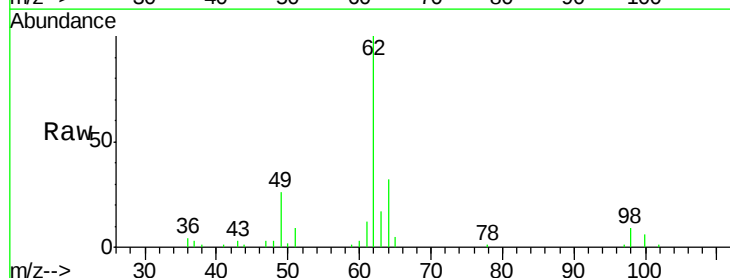
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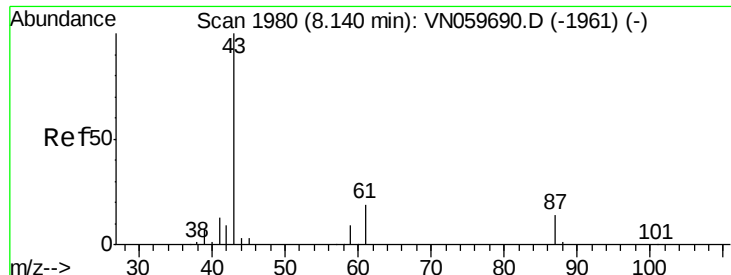
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#42
1,2-Dichloroethane
Concen: 22.151 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.721 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

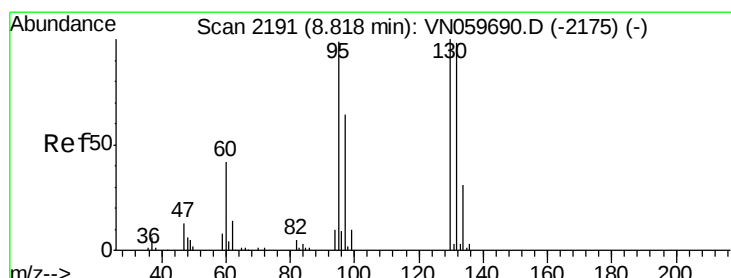
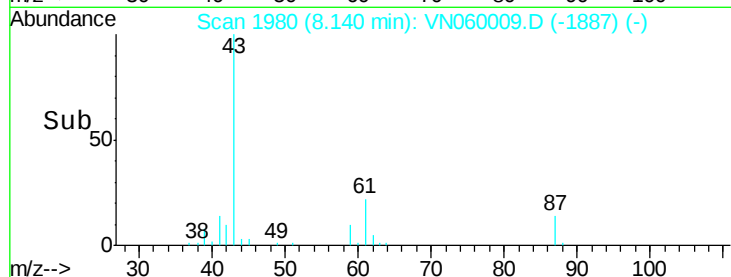
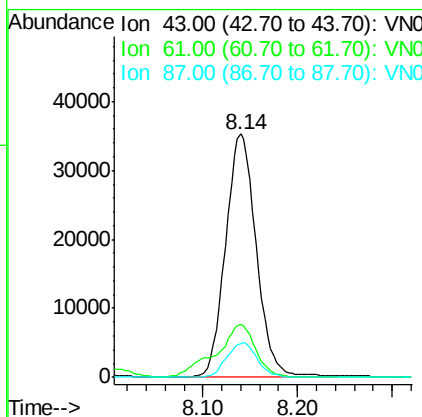
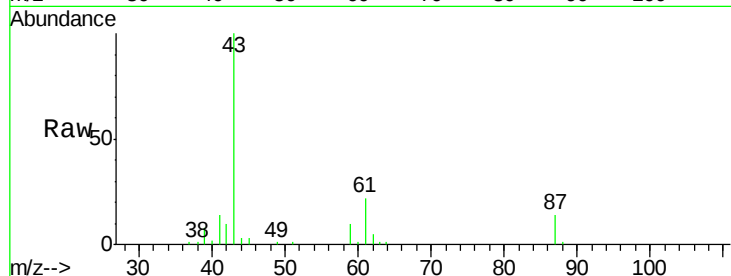
ClientSampleId :

VN0206WBSD01

Tot Ion:	43	Resp:	79641
Ion	Ratio	Lower	Upper
43	100		
61	27.9	20.2	30.2
87	14.0	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 20.615 ug/l

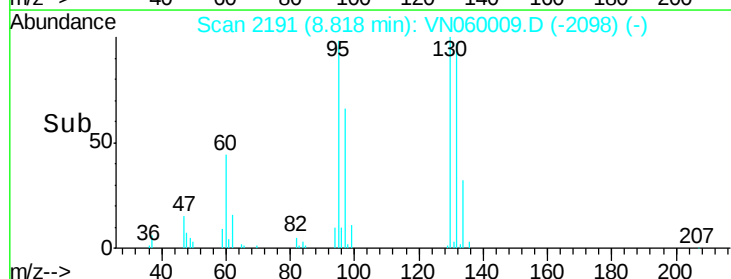
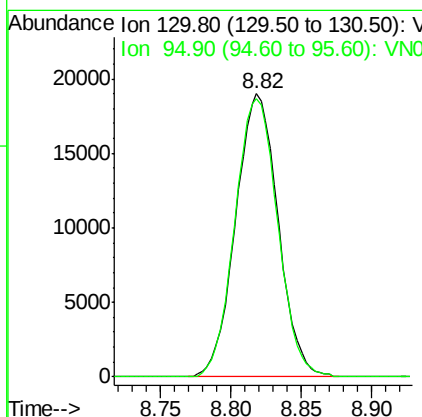
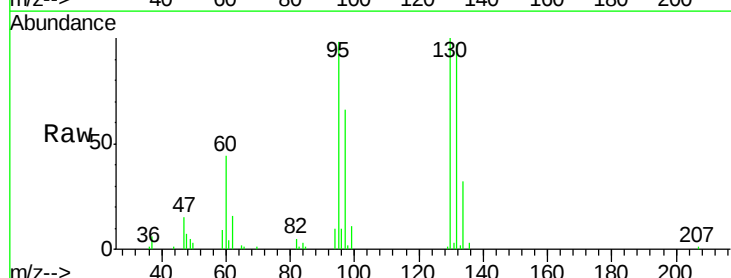
RT: 8.82 min Scan# 2191

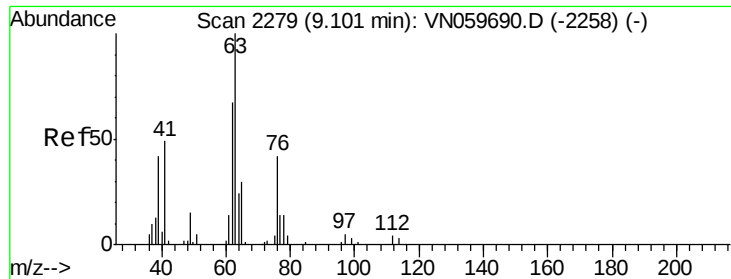
Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	130	Resp:	39986
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	207.0





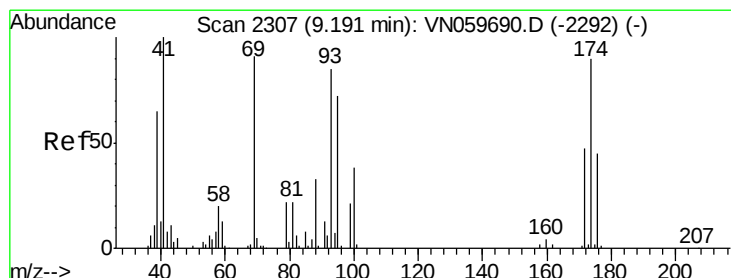
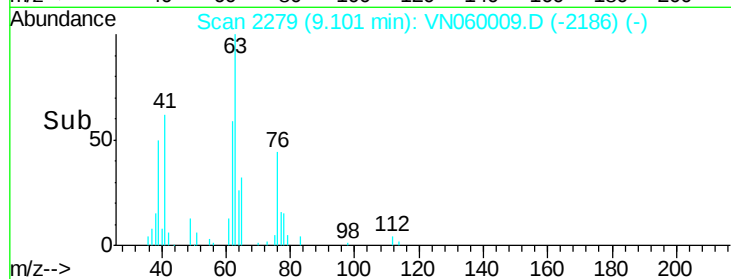
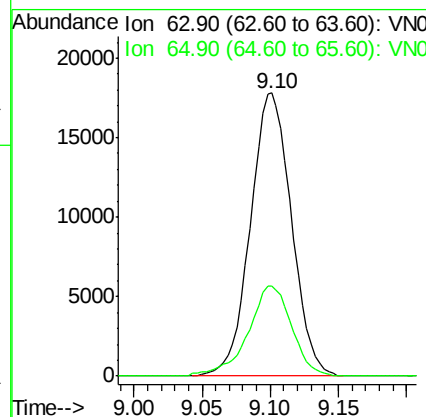
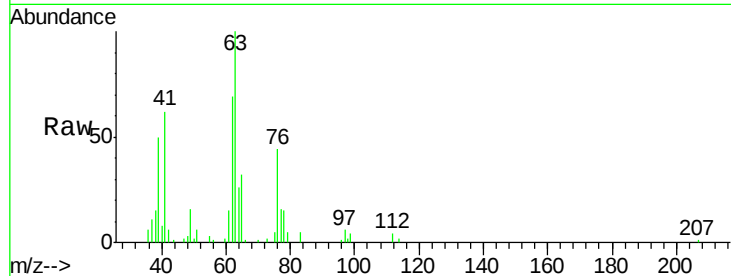
#45
 1,2-Dichloropropane
 Concen: 21.100 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Tot Ion: 63 Resp: 37098
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.9 37.3

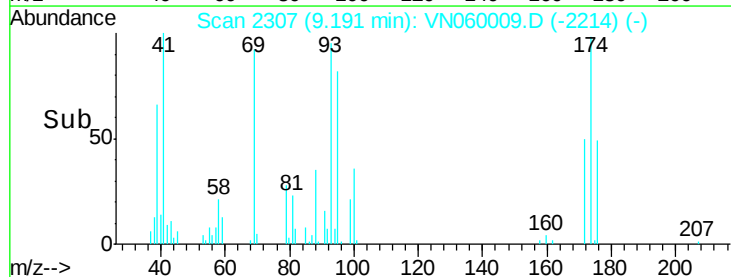
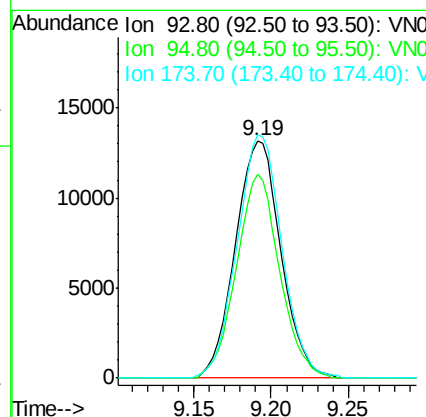
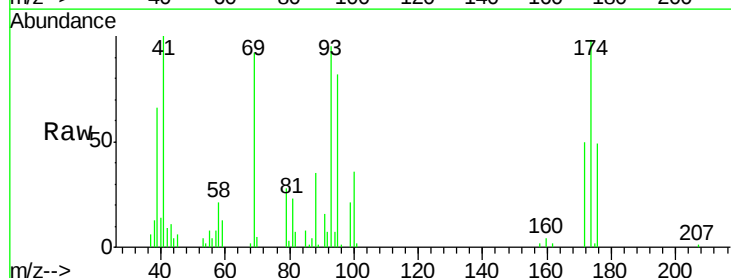
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.718 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Tgt Ion: 93 Resp: 26936
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.0 100.6
 174 101.4 73.4 110.2





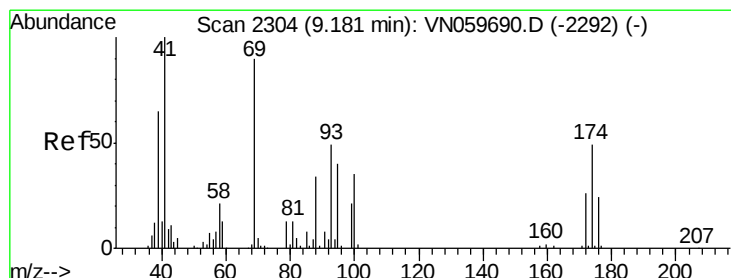
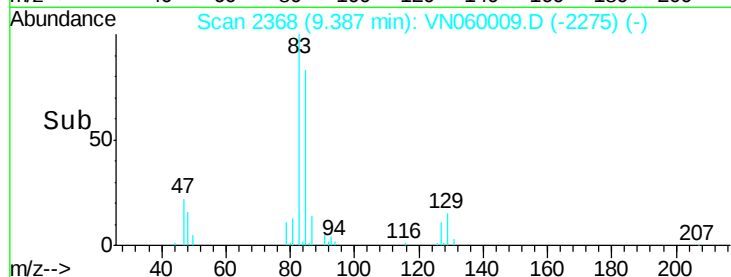
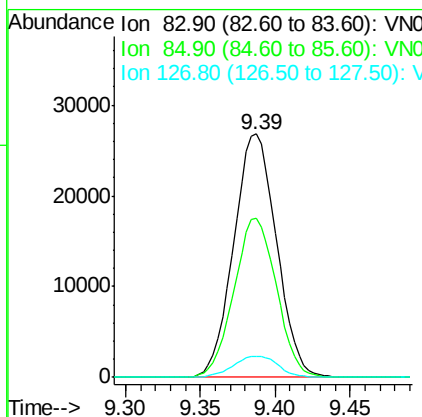
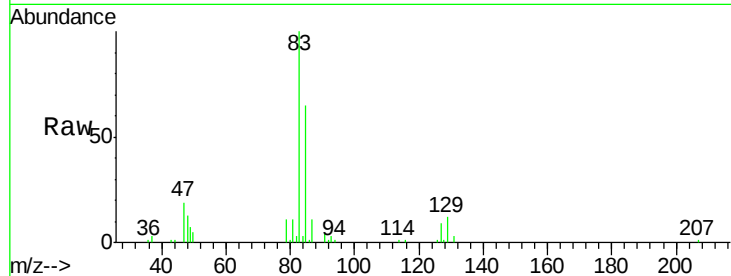
#47
Bromodichloromethane
Concen: 21.375 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	83	Resp	53422
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	51.1	76.7
127	8.7	6.6	9.8

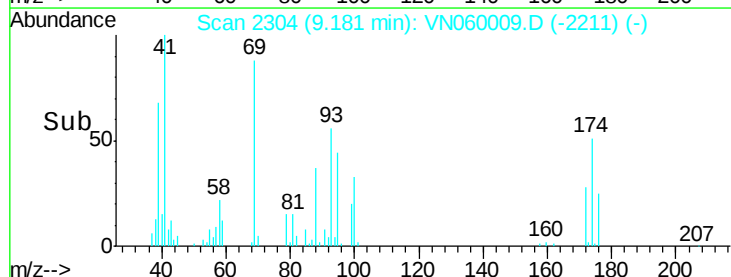
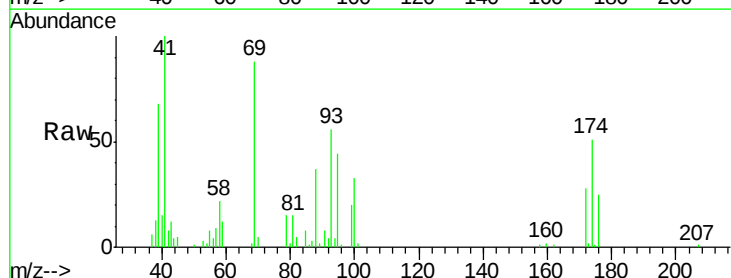
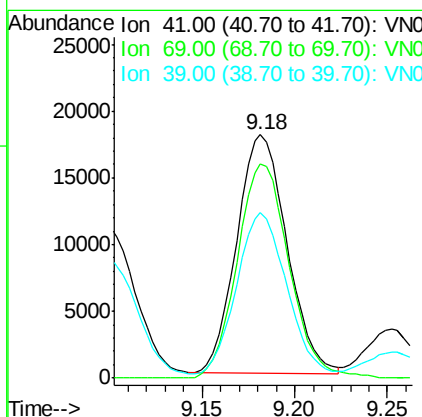
Manual Integrations
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#48
Methyl methacrylate
Concen: 19.637 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	41	Resp	33760
Ion Ratio	100	Lower	Upper
41	100		
69	92.8	64.4	96.6
39	67.5	51.3	76.9





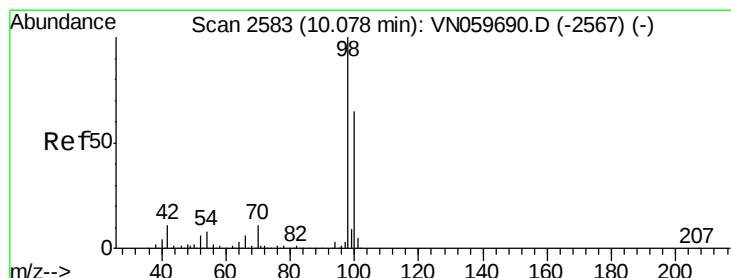
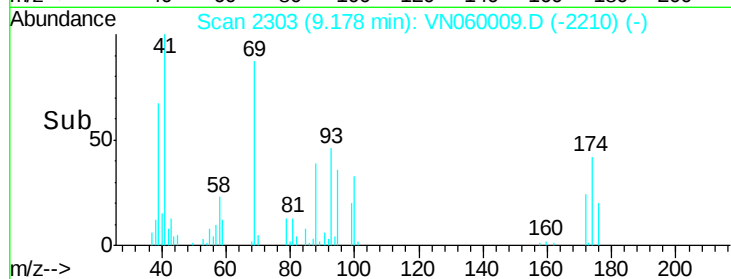
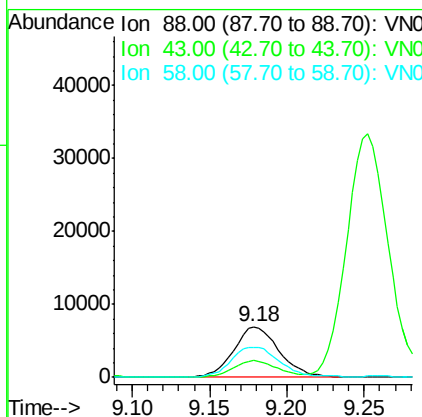
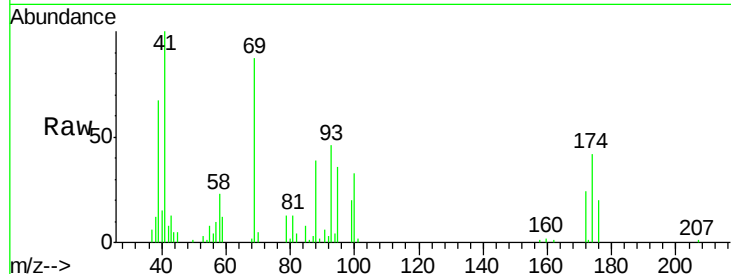
#49
1,4-Dioxane
Concen: 448.687 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.0	29.7	44.5	
58	63.9	56.6	85.0	

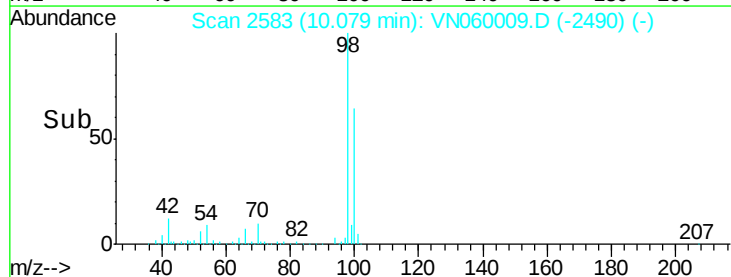
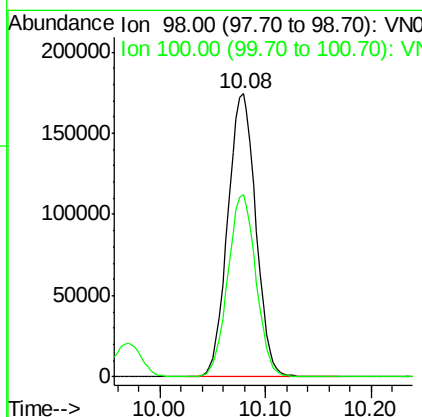
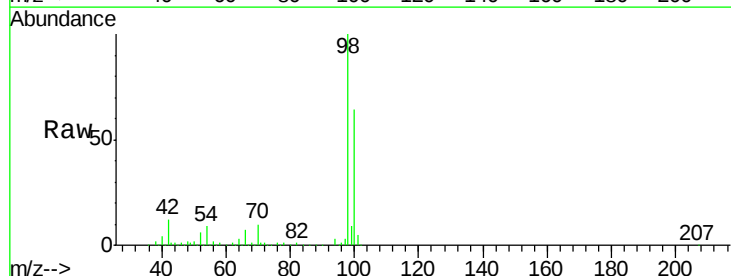
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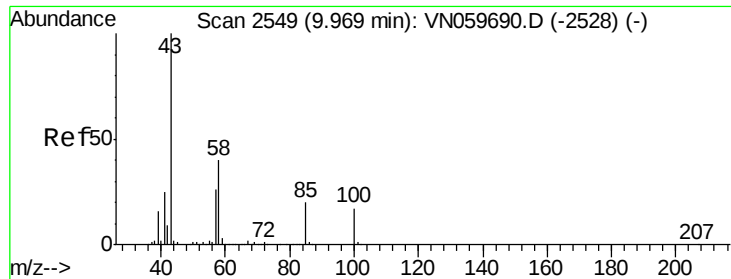
MMDadoda
2/7/2020 1:44:38 PM



#50
Toluene-d8
Concen: 50.780 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.4	51.2	76.8	





#51

4-Methyl-2-Pentanone

Concen: 106.738 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

Tot Ion: 43 Resp: 237148

Ion Ratio Lower Upper

43 100

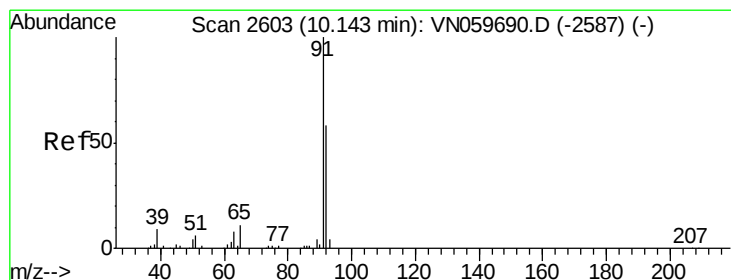
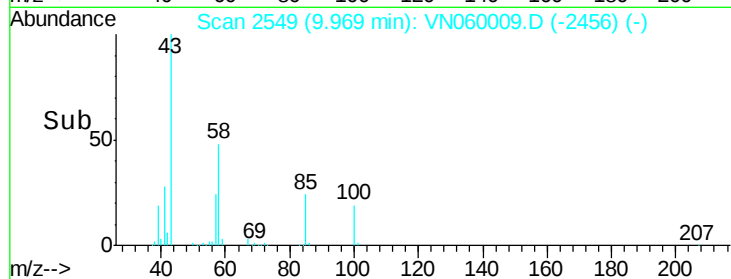
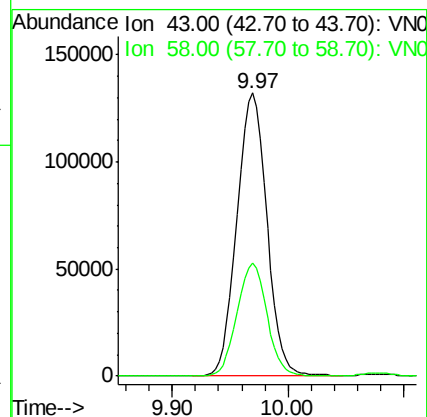
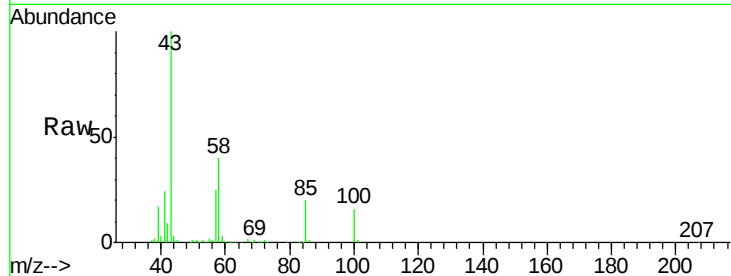
58 39.6 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 20.271 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060009.D

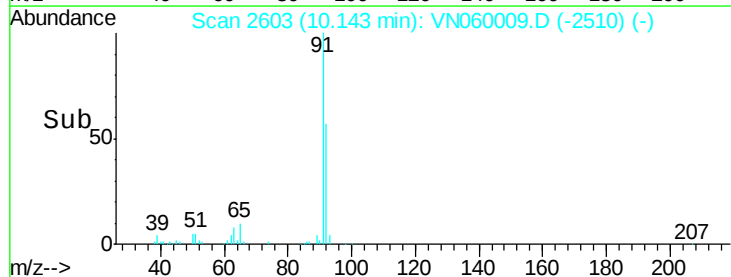
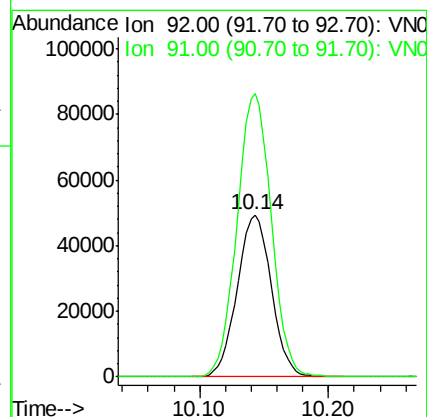
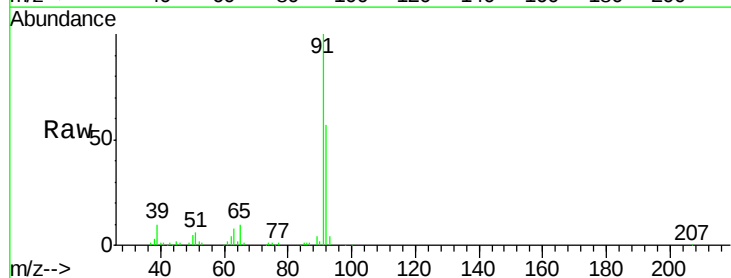
Acq: 6 Feb 2020 11:53

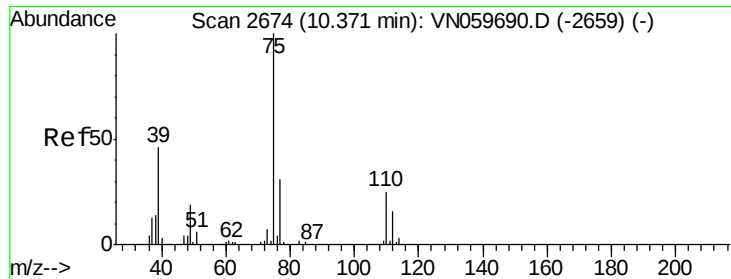
Tgt Ion: 92 Resp: 90975

Ion Ratio Lower Upper

92 100

91 175.8 140.4 210.6





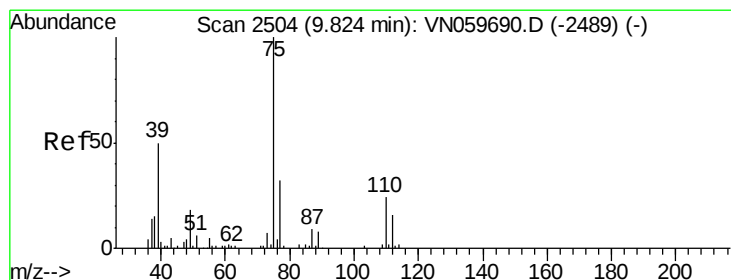
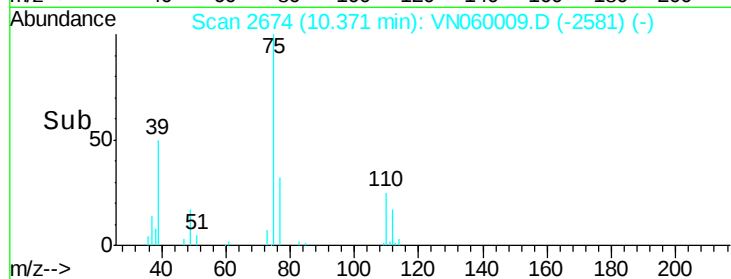
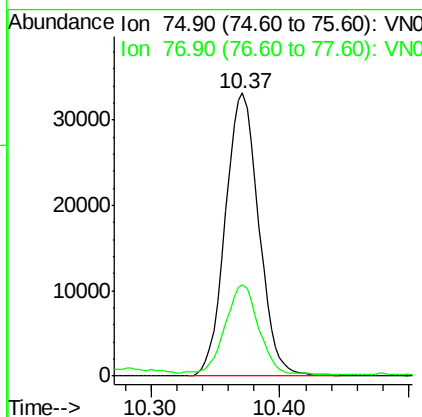
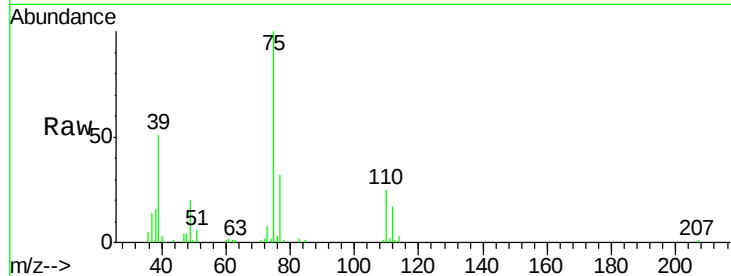
#53
t-1,3-Dichloropropene
Concen: 21.445 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 75 Resp: 59847
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

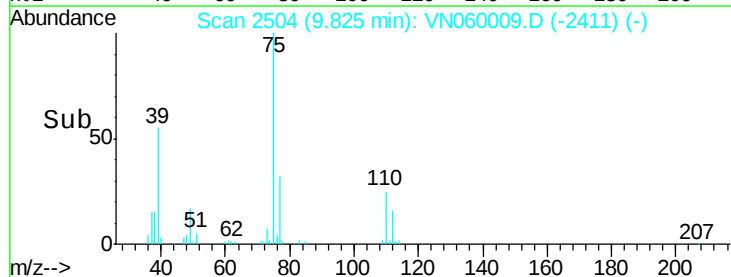
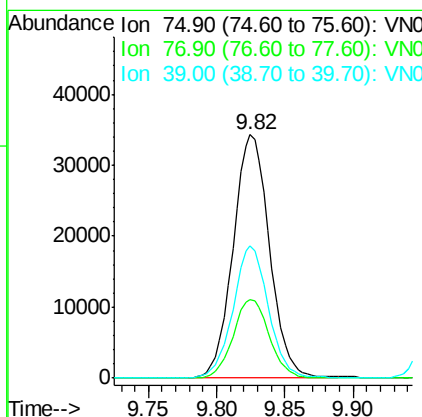
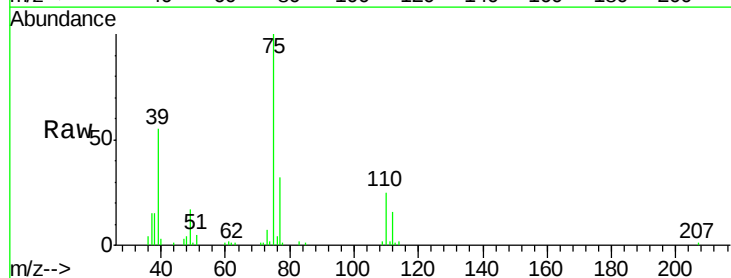
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 21.629 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion: 75 Resp: 63509
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7
39 54.5 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.745 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

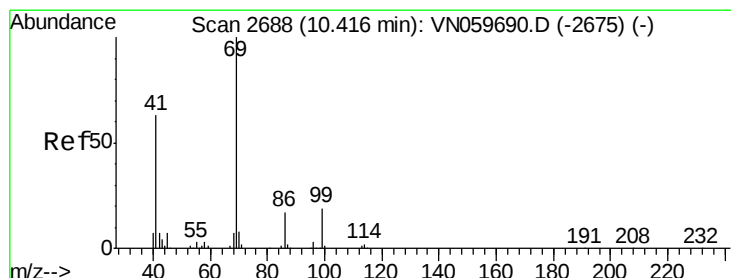
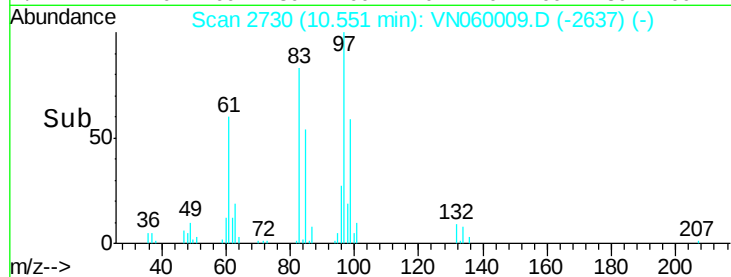
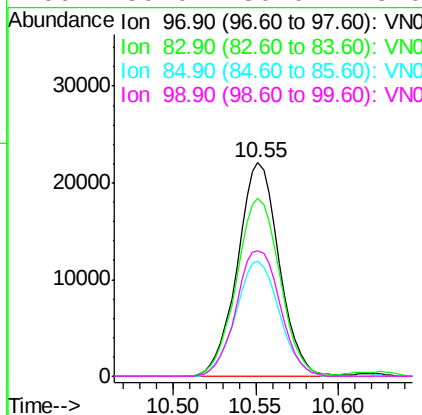
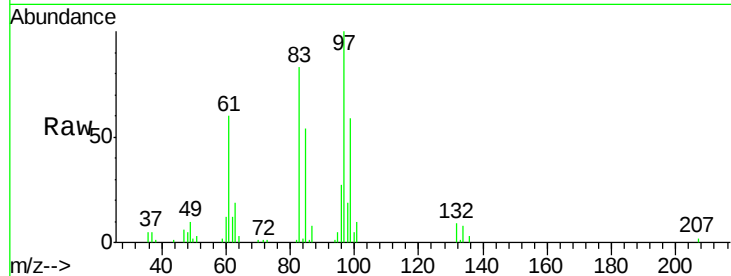
ClientSampleId :

VN0206WBSD01

Tot Ion:	97	Resp:	38653
Ion	Ratio	Lower	Upper
97	100		
83	83.2	71.3	106.9
85	53.8	45.8	68.8
99	59.0	50.0	75.0

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#56

Ethyl methacrylate

Concen: 19.896 ug/l

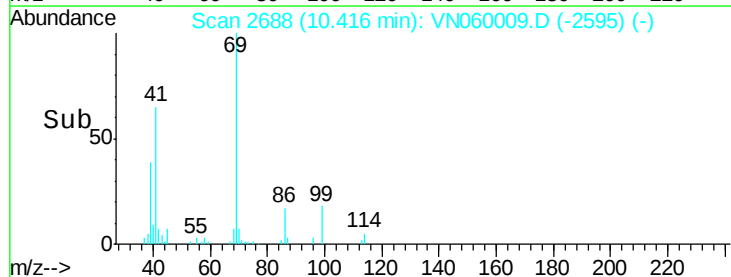
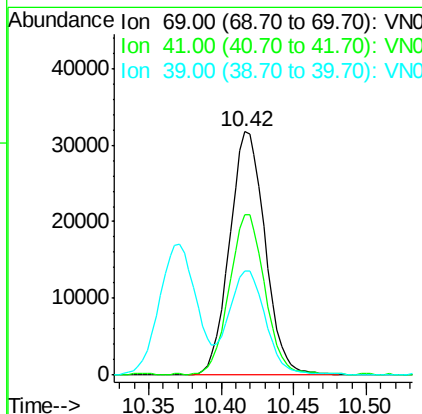
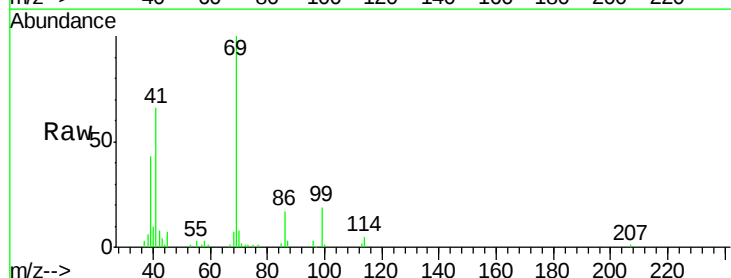
RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	69	Resp:	54038
Ion	Ratio	Lower	Upper
69	100		
41	66.3	57.1	85.7
39	43.5	34.7	52.1





#57

1,3-Dichloropropane

Concen: 22.198 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

Tot Ion: 76 Resp: 62643

Ion Ratio Lower Upper

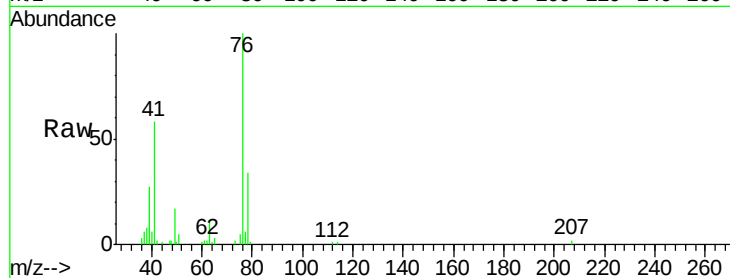
76 100

78 32.9 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN060009.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060009.D (-2682) (-)

10.70

40000

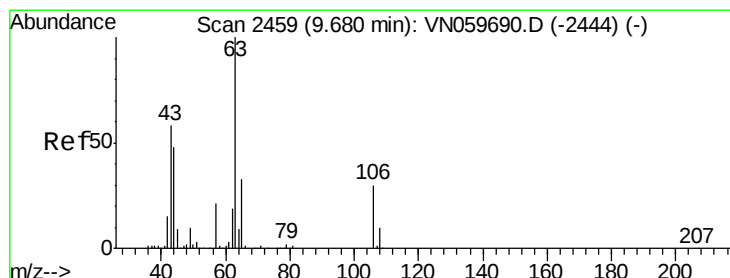
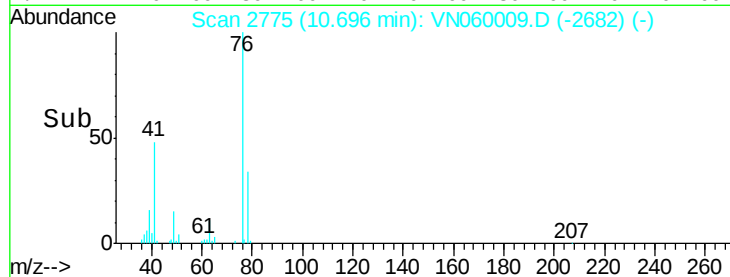
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 108.166 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060009.D

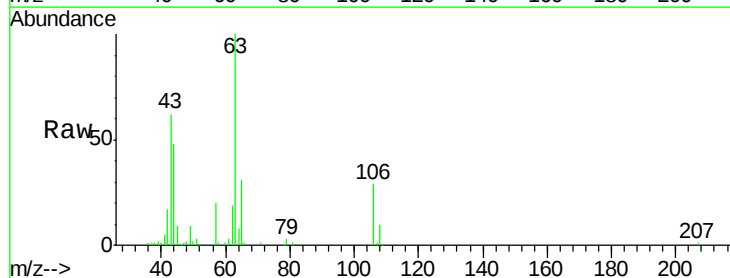
Acq: 6 Feb 2020 11:53

Tgt Ion: 63 Resp: 88489

Ion Ratio Lower Upper

63 100

106 29.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN060009.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060009.D (-2366) (-)

9.68

60000

50000

40000

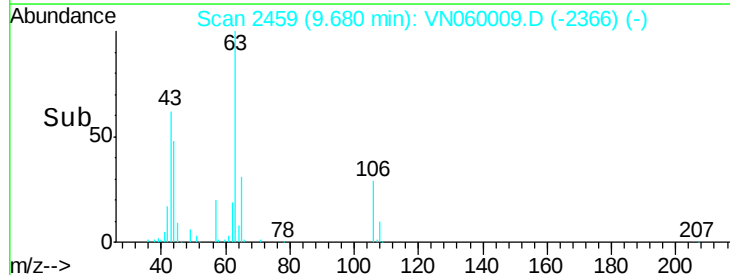
30000

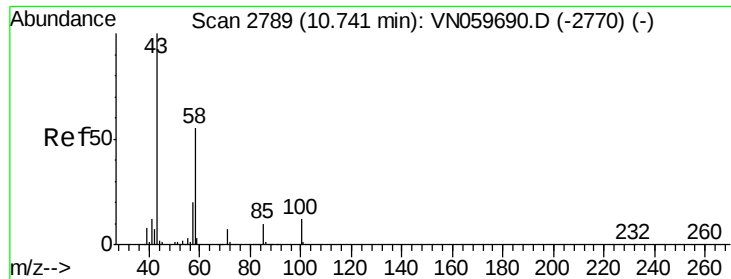
20000

10000

0

Time-->





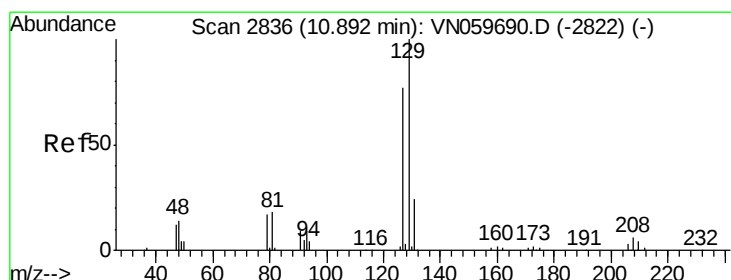
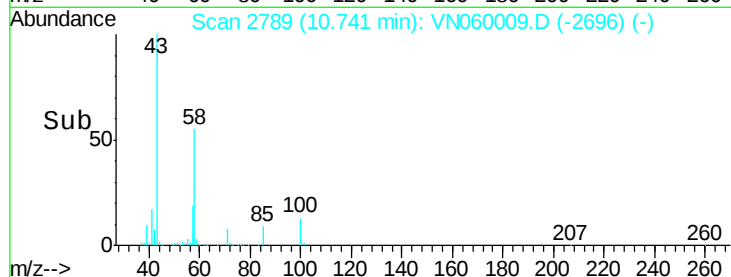
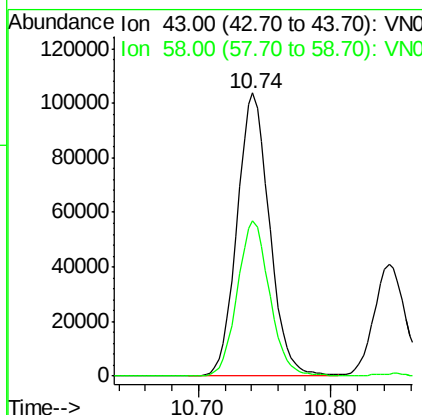
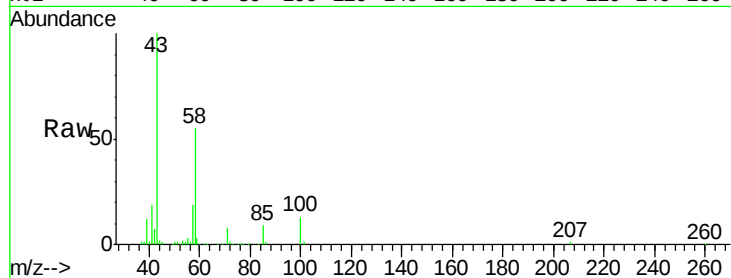
#59
2-Hexanone
Concen: 107.705 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 43 Resp: 176291
Ion Ratio Lower Upper
43 100
58 54.7 25.8 77.3

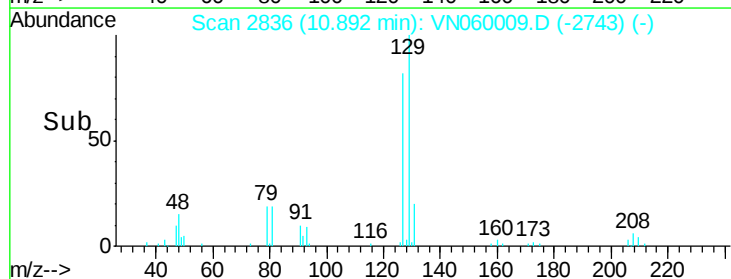
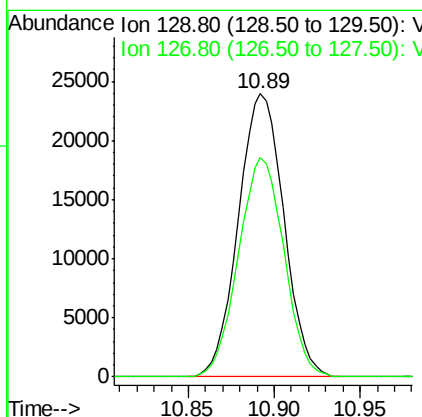
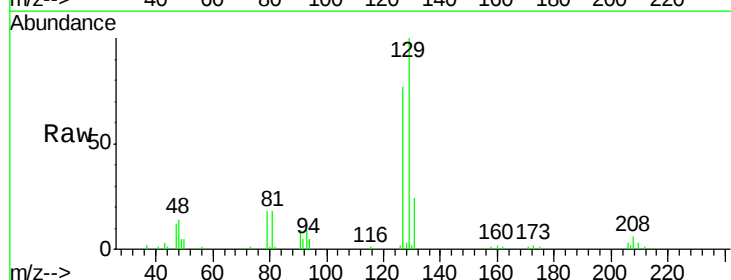
Manual Integrations
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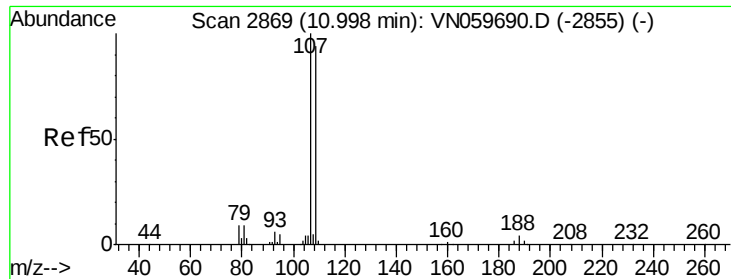
MMDadoda
2/7/2020 1:44:38 PM



#60
Dibromochloromethane
Concen: 21.781 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion: 129 Resp: 44089
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.119 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleID :

VN0206WBSD01

Tot Ion: 107 Resp: 39345

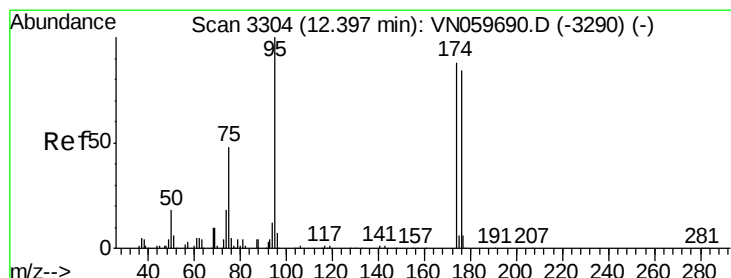
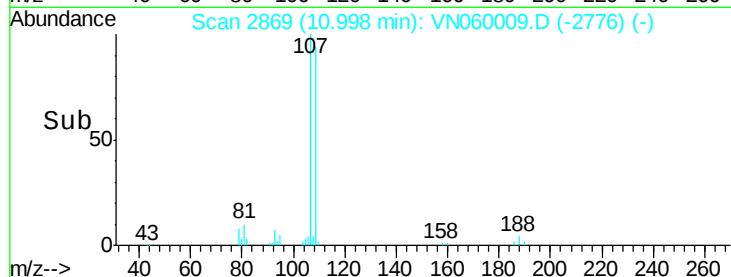
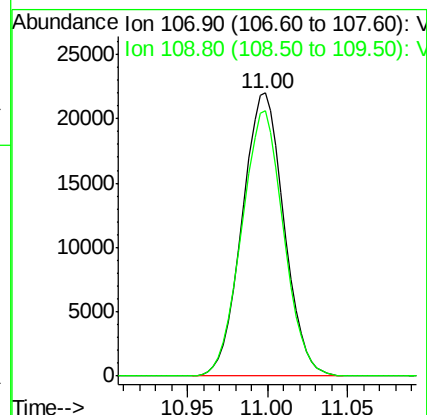
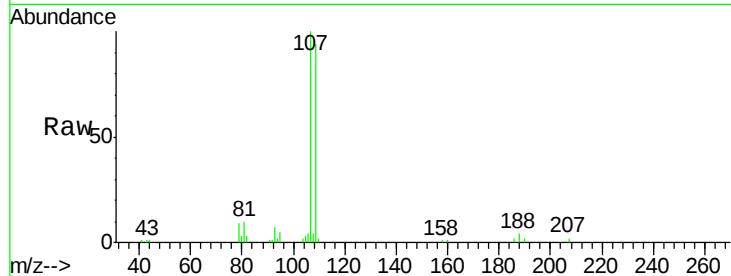
Ion Ratio Lower Upper

107 100

109 93.9 76.6 115.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.523 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

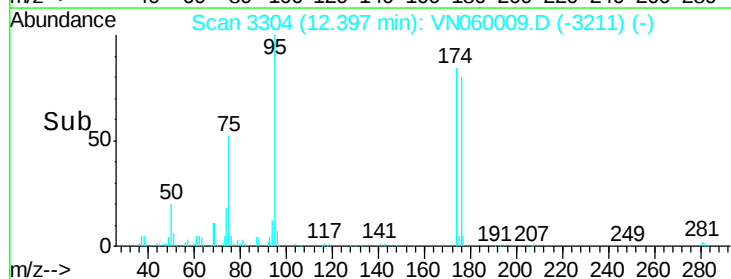
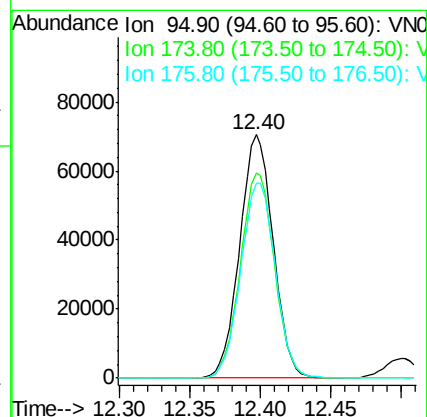
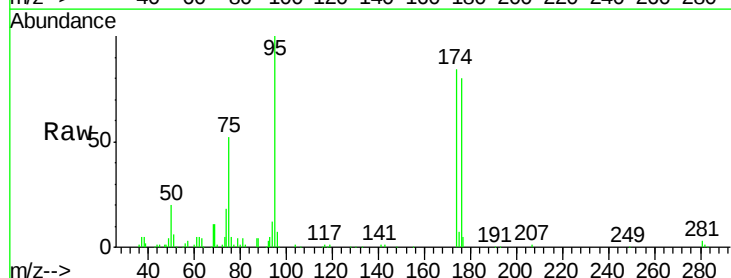
Tgt Ion: 95 Resp: 117409

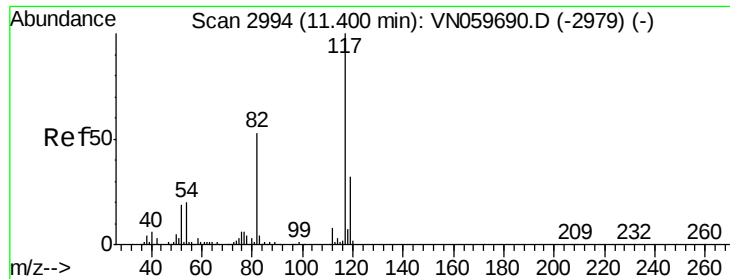
Ion Ratio Lower Upper

95 100

174 85.7 0.0 151.4

176 83.1 0.0 146.0





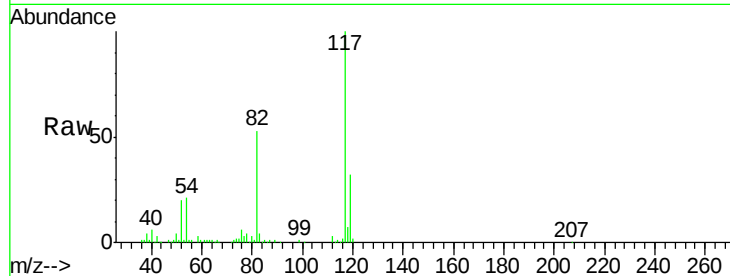
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250931		
82	52.9		45.9	68.9
119	32.1		25.5	38.3

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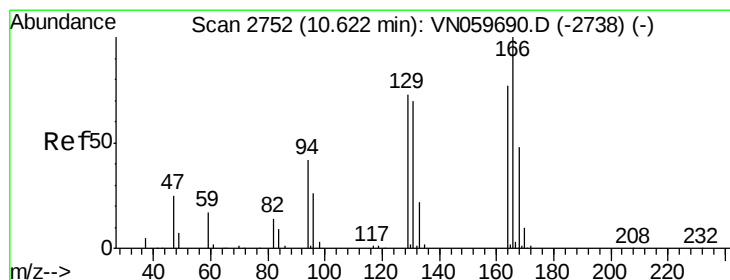
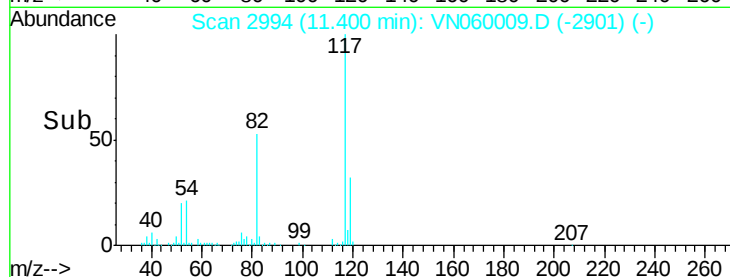
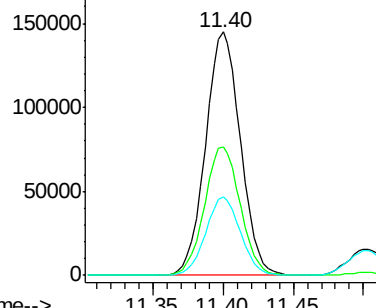


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.056 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43062		
166	130.4		101.4	152.0
129	94.0		80.2	120.4
131	91.1		75.0	112.4

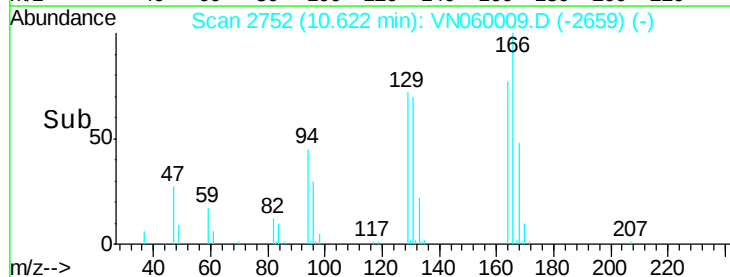
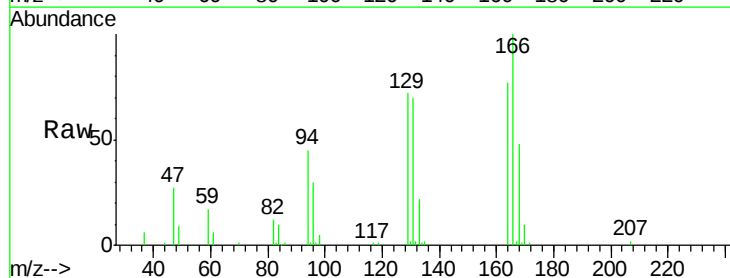
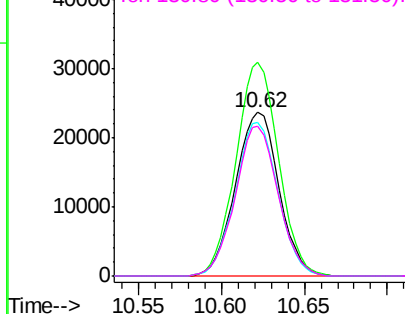
Abundance

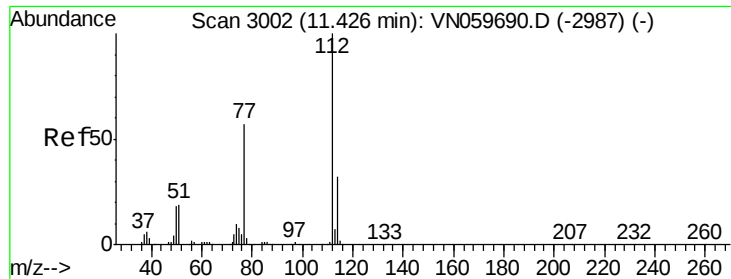
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





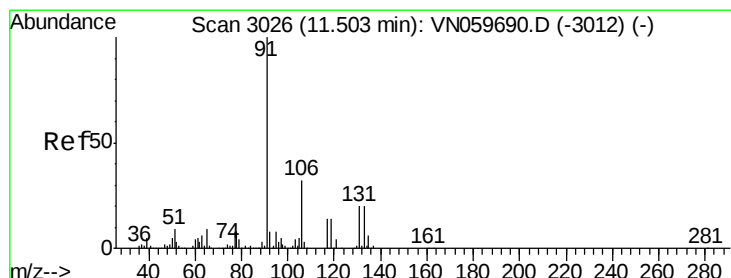
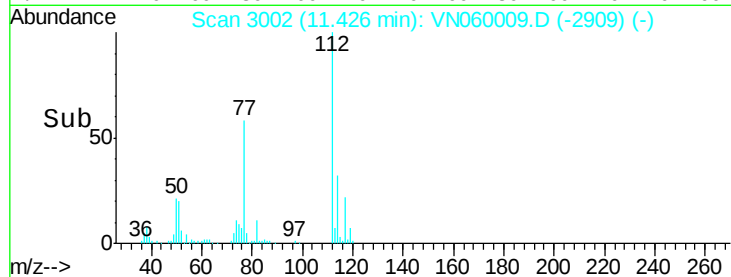
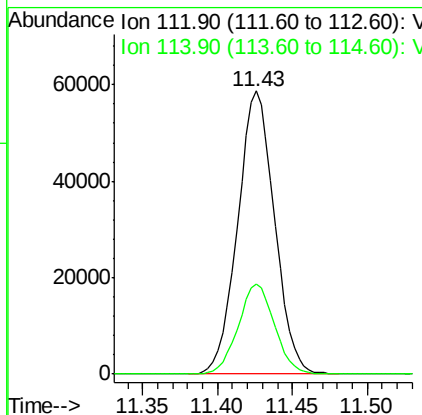
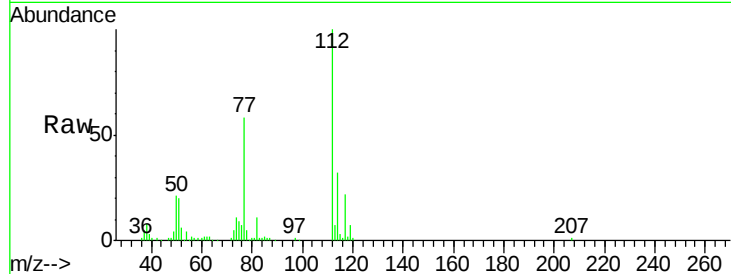
#65
Chlorobenzene
Concen: 20.362 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion:112 Resp: 100427
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

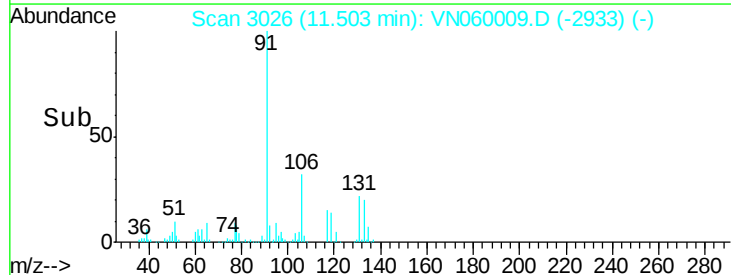
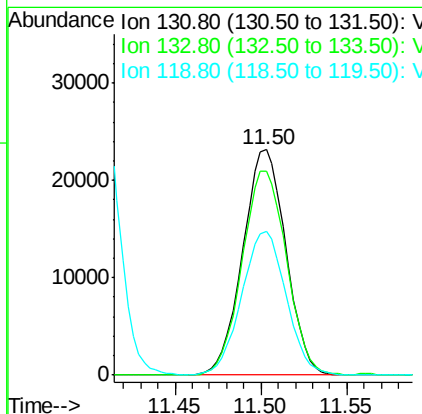
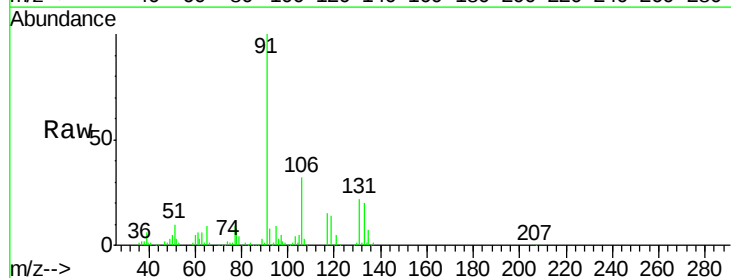
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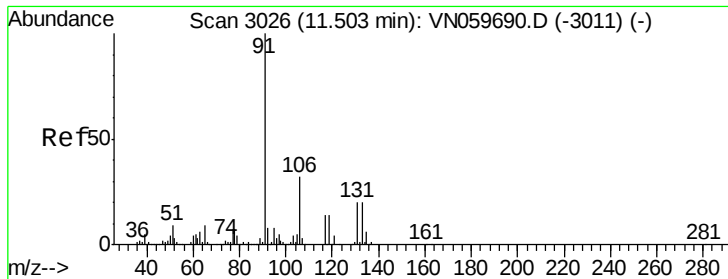
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.153 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion:131 Resp: 40312
Ion Ratio Lower Upper
131 100
133 93.5 47.4 142.2
119 65.7 33.1 99.3





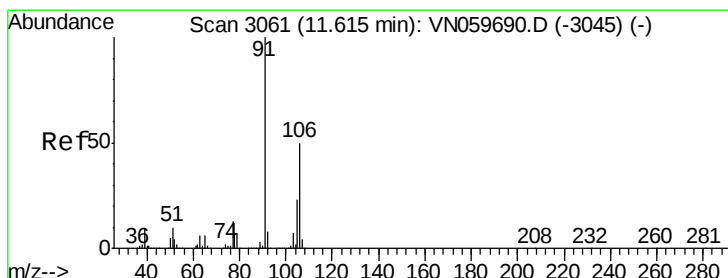
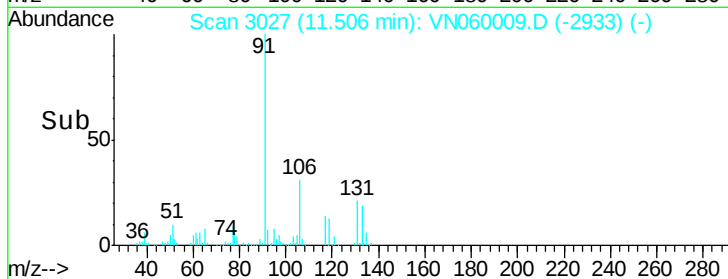
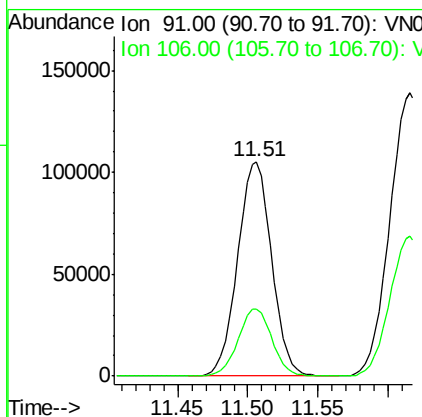
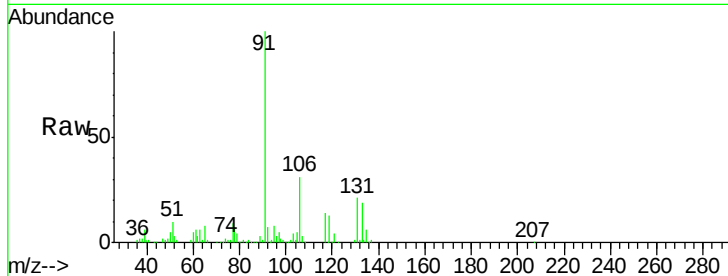
#67
Ethyl Benzene
Concen: 19.843 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 91 Resp: 177663
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1

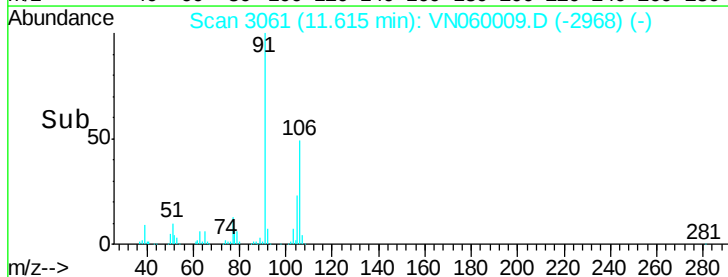
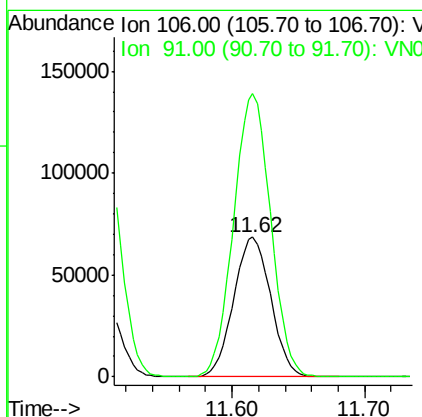
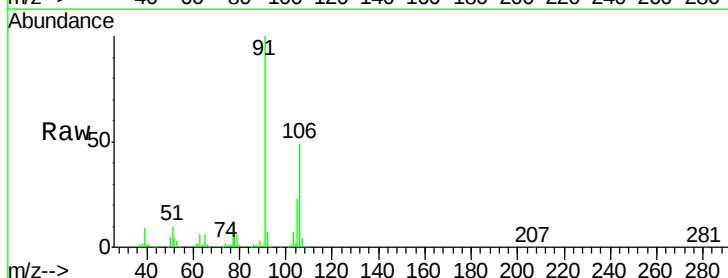
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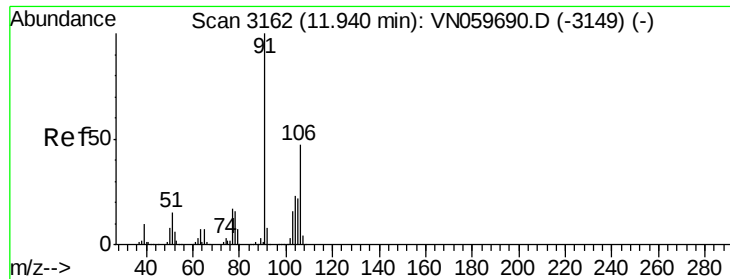
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#68
m/p-Xylenes
Concen: 39.420 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion: 106 Resp: 133322
Ion Ratio Lower Upper
106 100
91 201.8 167.9 251.9





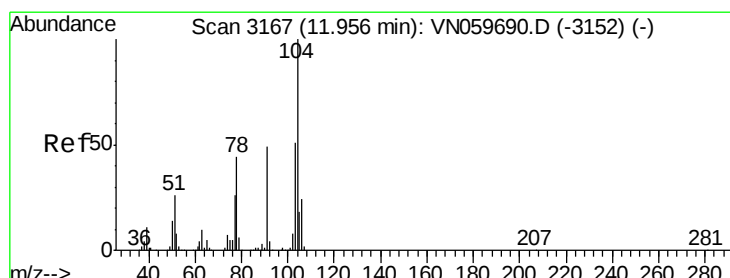
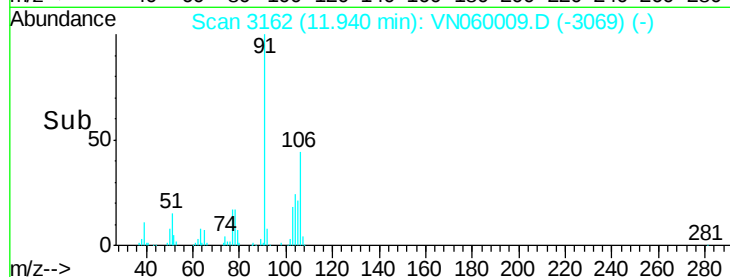
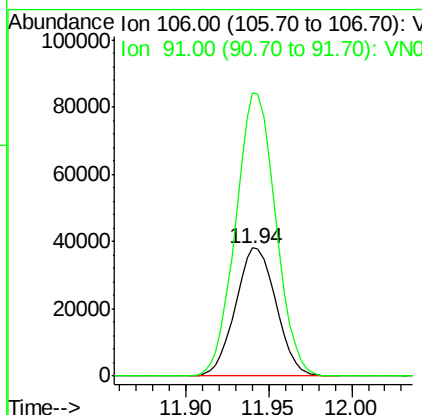
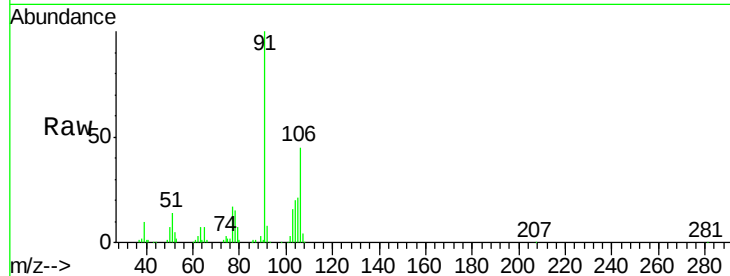
#69
o-Xylene
Concen: 19.647 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion:106 Resp: 65053
Ion Ratio Lower Upper
106 100
91 217.6 110.3 330.9

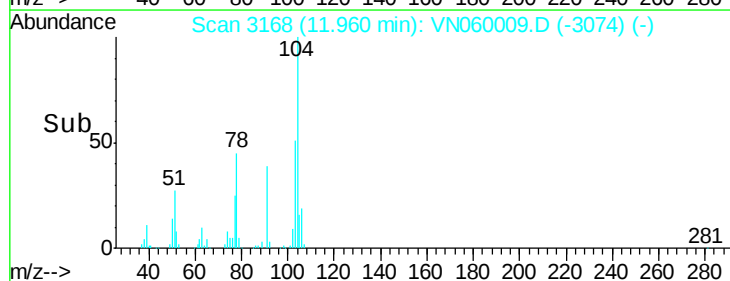
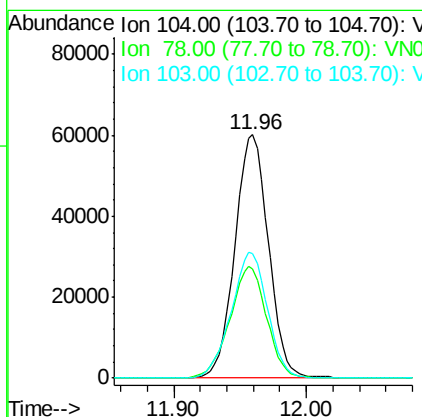
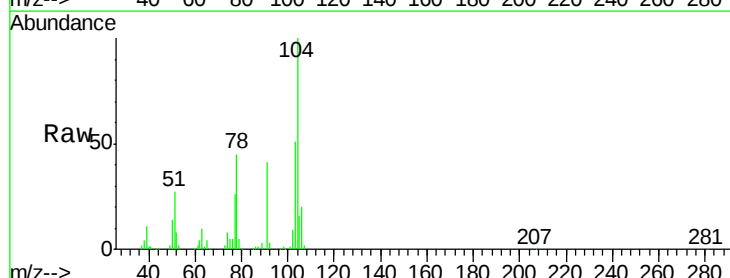
Manual Integrations
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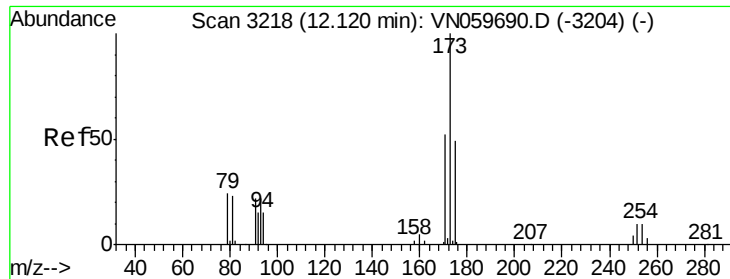
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#70
Styrene
Concen: 19.072 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion:104 Resp: 105671
Ion Ratio Lower Upper
104 100
78 50.2 42.4 63.6
103 55.7 43.9 65.9





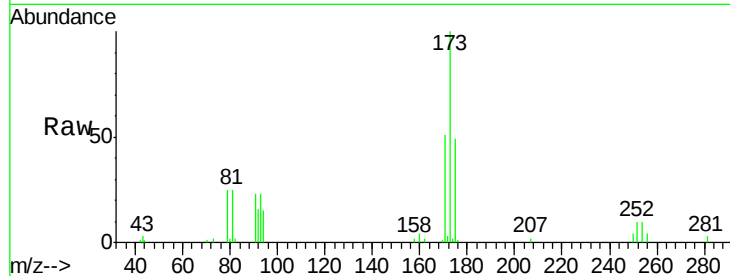
#71
Bromoform
Concen: 20.964 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

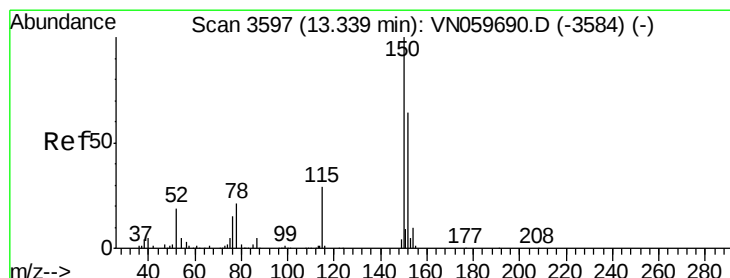
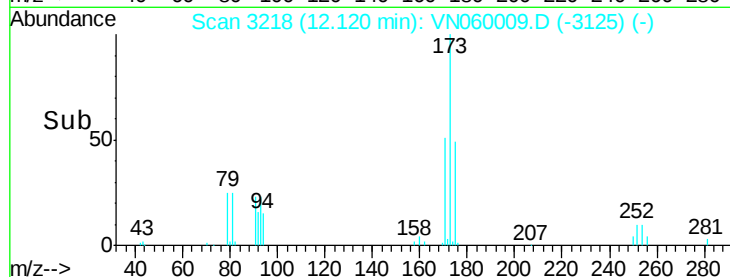
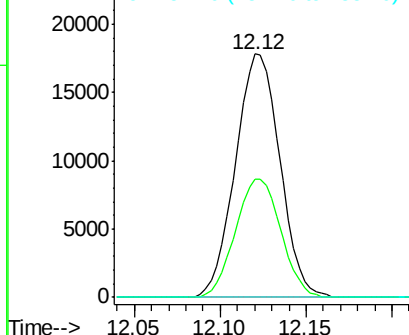
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.4
254	0.0	0.0	0.0

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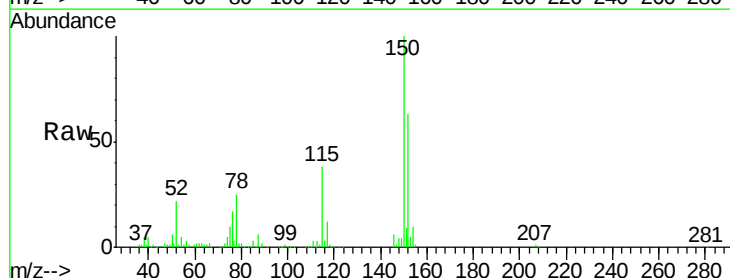


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

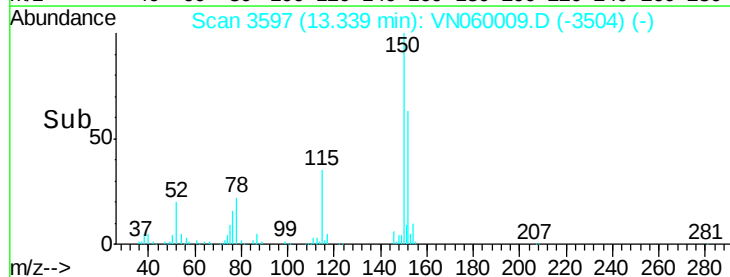
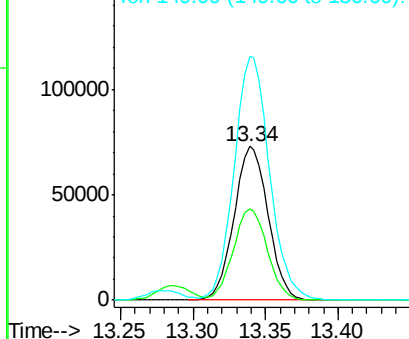


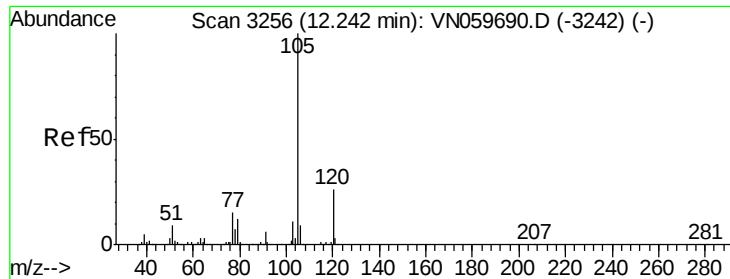
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.3	90.9
150	164.7	0.0	345.2



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





#73

Isopropylbenzene

Concen: 20.342 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBSD01

Tot Ion: 105 Resp: 177606

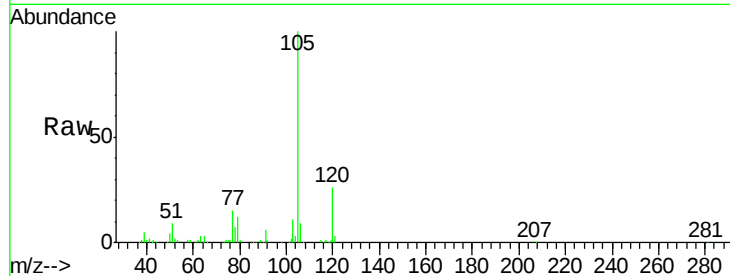
Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.5

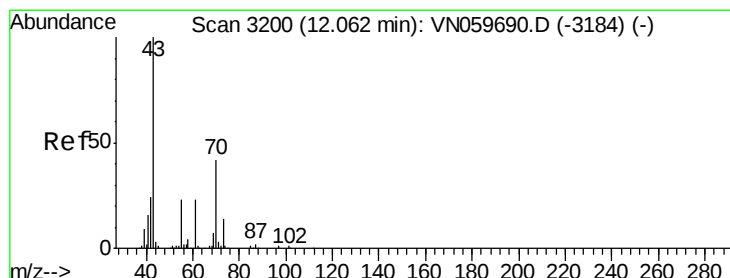
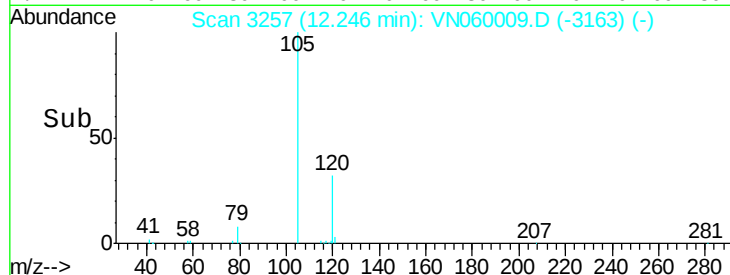
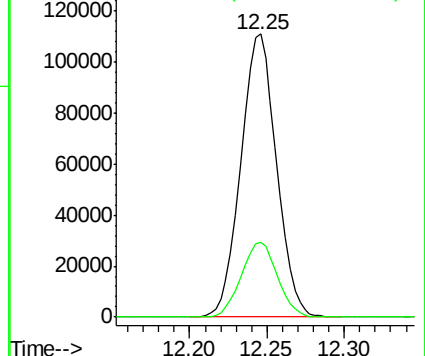
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.160 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion: 43 Resp: 68303

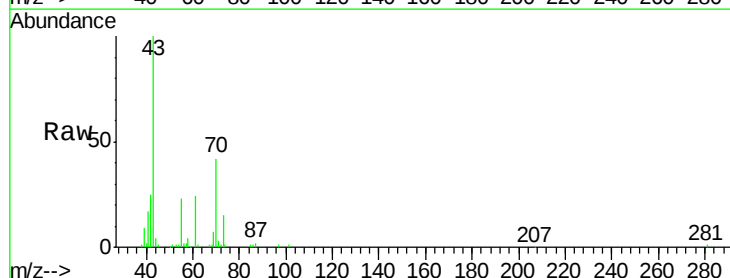
Ion Ratio Lower Upper

43 100

70 42.2 31.3 46.9

55 23.1 19.8 29.6

61 23.2 18.3 27.5

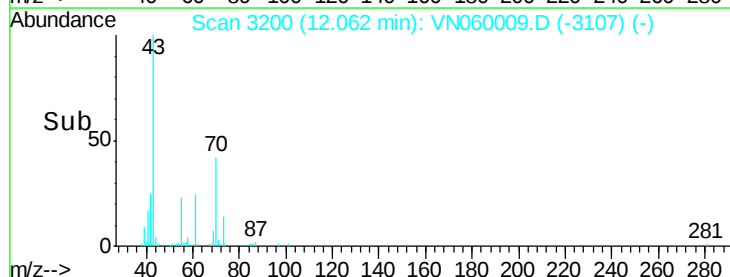
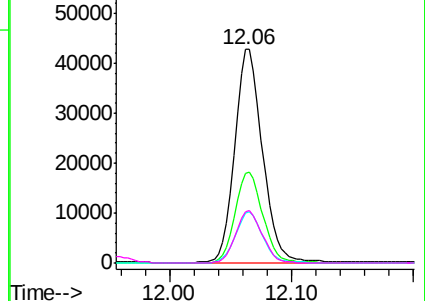


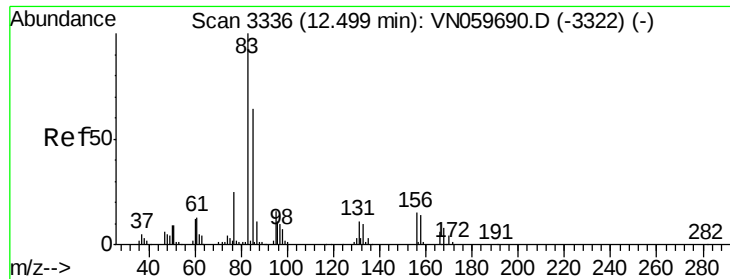
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#75

1,1,2,2-Tetrachloroethane

Concen: 21.458 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

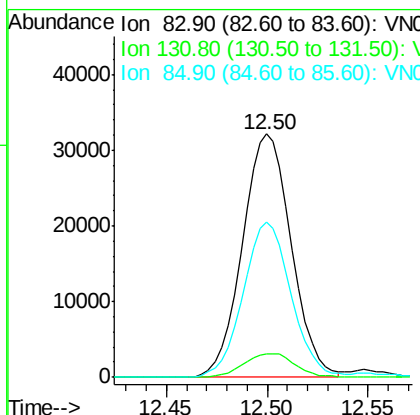
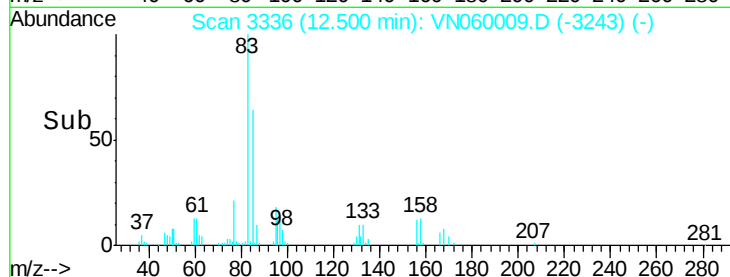
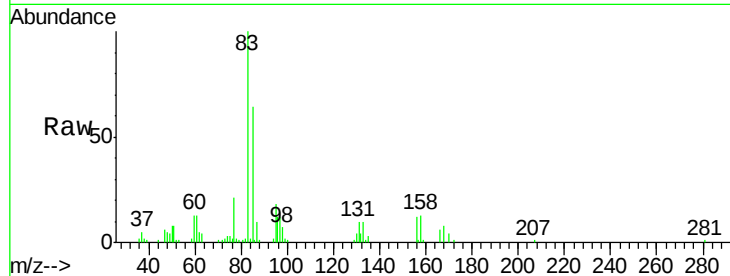
ClientSampleId :

VN0206WBSD01

Tot Ion:	83	Resp:	54313
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	62.5	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.757 ug/l m

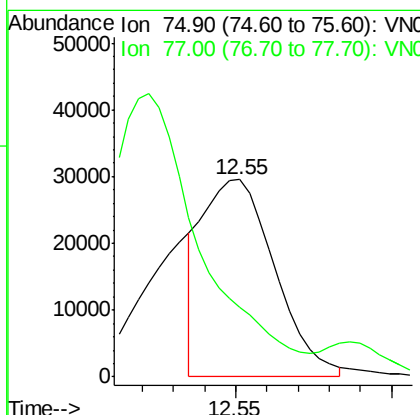
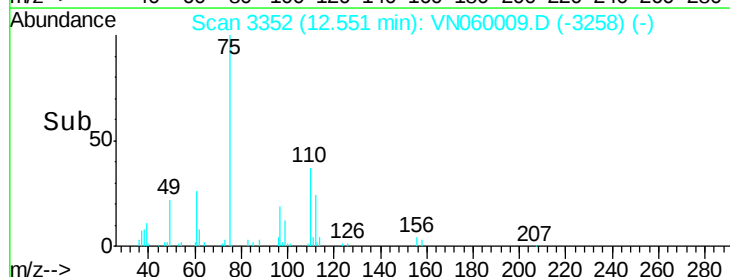
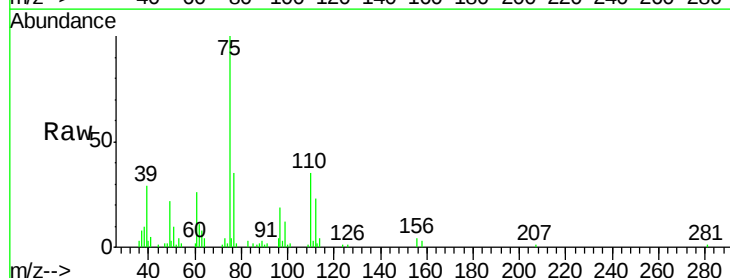
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	75	Resp:	47598
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.699 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

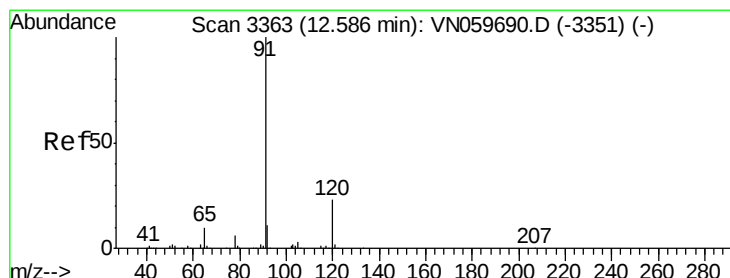
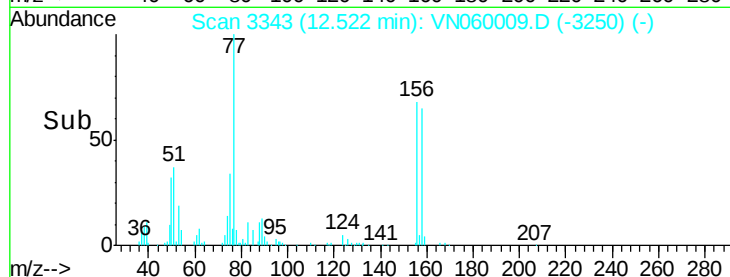
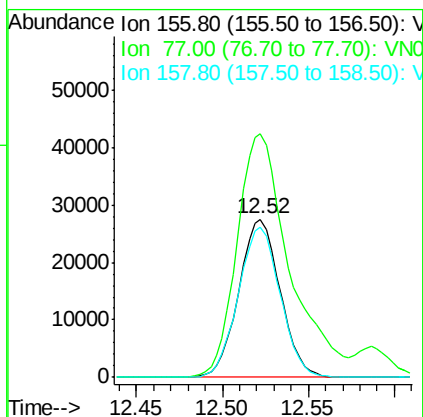
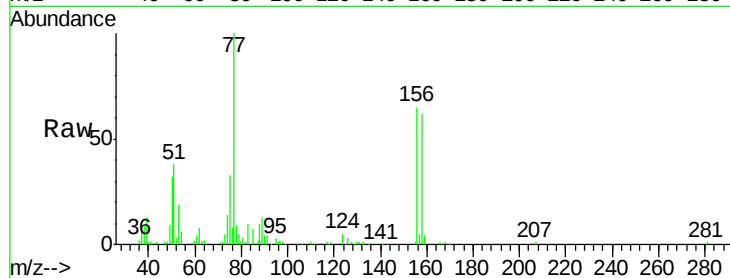
ClientSampleId :

VN0206WBSD01

Tot Ion:	156	Resp:	45767
Ion	Ratio	Lower	Upper
156	100		
77	196.3	115.8	347.4
158	96.4	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.382 ug/l

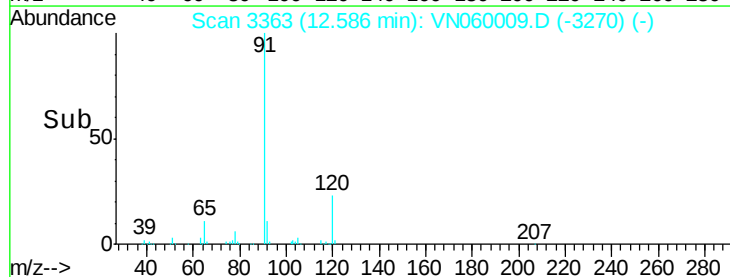
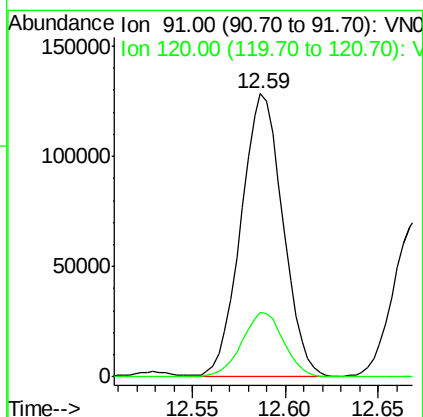
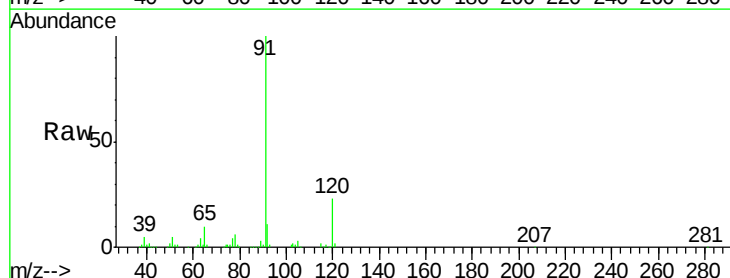
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	91	Resp:	199740
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.1	33.3





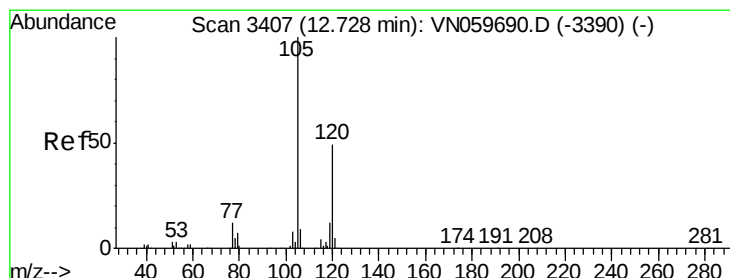
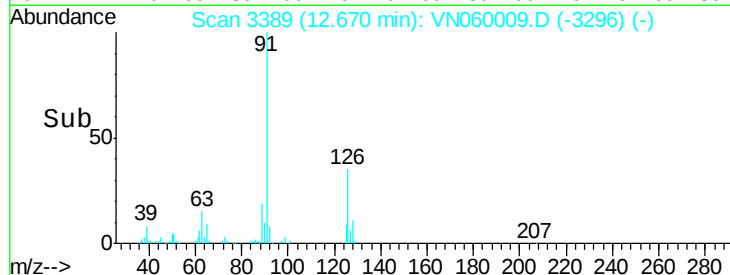
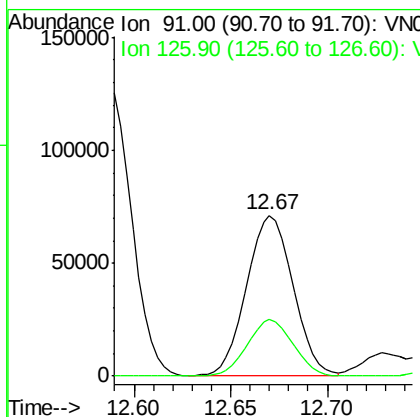
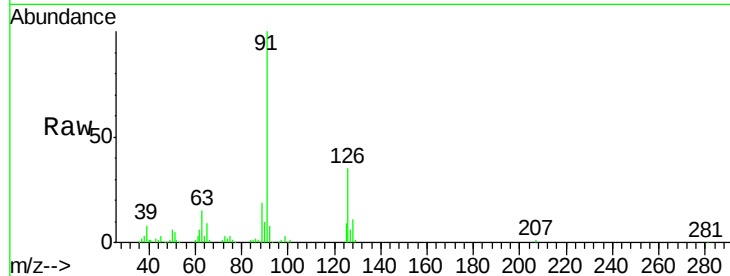
#79
2-Chlorotoluene
Concen: 20.356 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion: 91 Resp: 118677
Ion Ratio Lower Upper
91 100
126 34.8 16.3 48.9

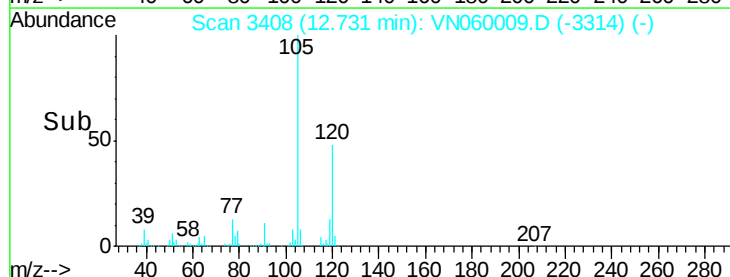
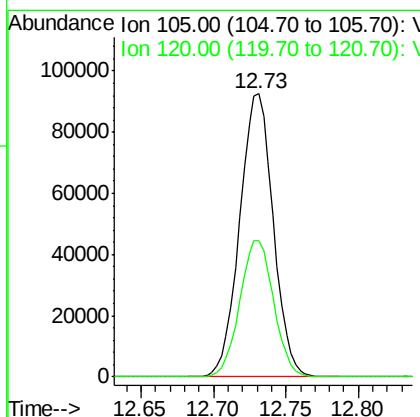
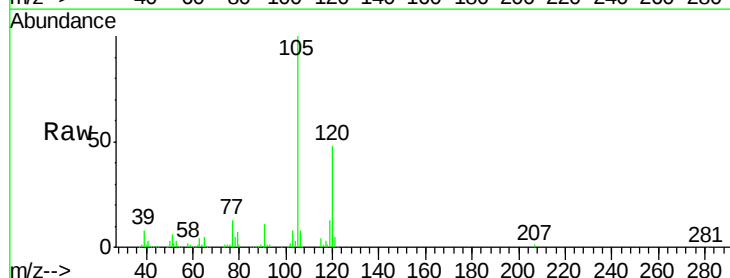
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#80
1,3,5-Trimethylbenzene
Concen: 20.272 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion: 105 Resp: 148856
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.4





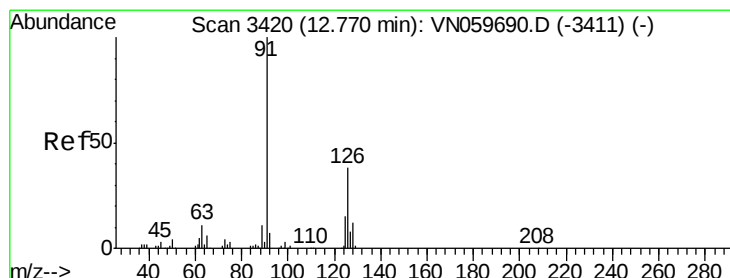
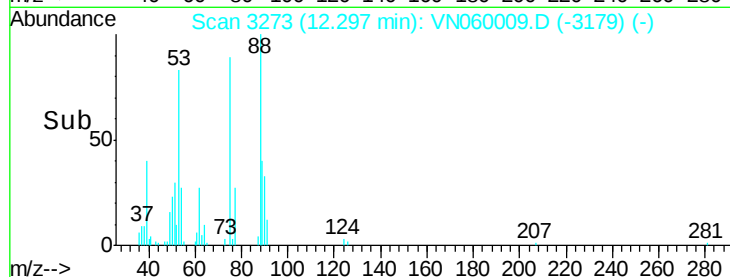
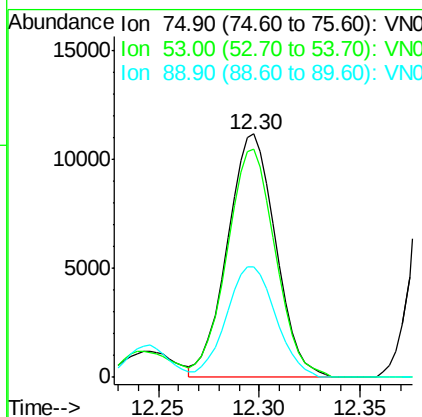
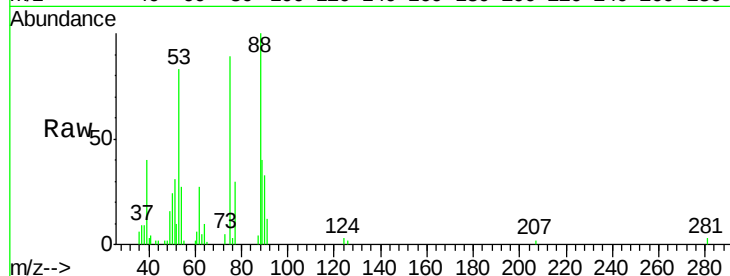
#81
trans-1,4-Dichloro-2-butene
Concen: 20.090 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	78.1	117.1
89	46.7	35.4	53.2

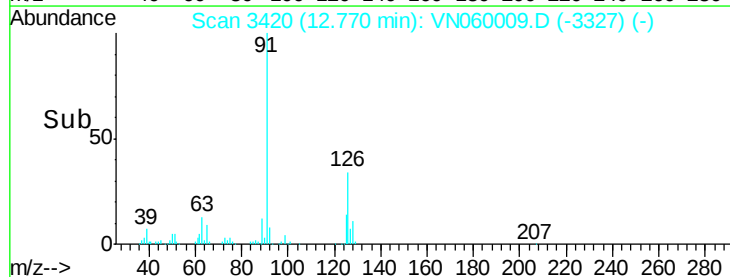
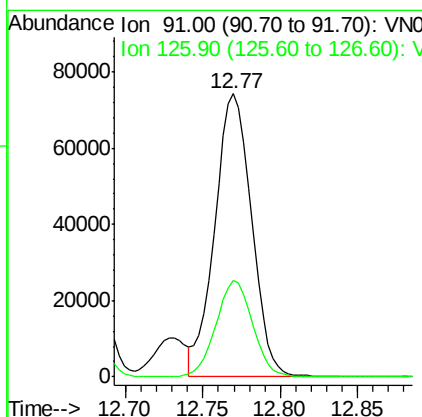
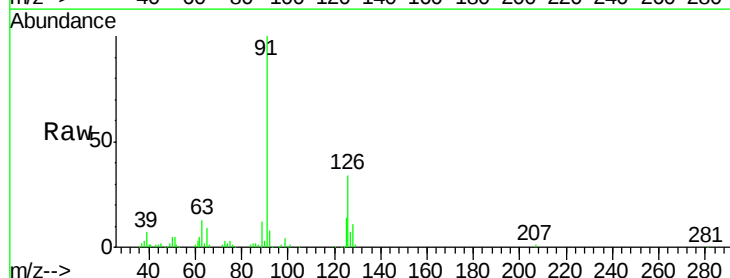
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#82
4-Chlorotoluene
Concen: 21.048 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.3	48.8





#83

tert-Butylbenzene

Concen: 20.286 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

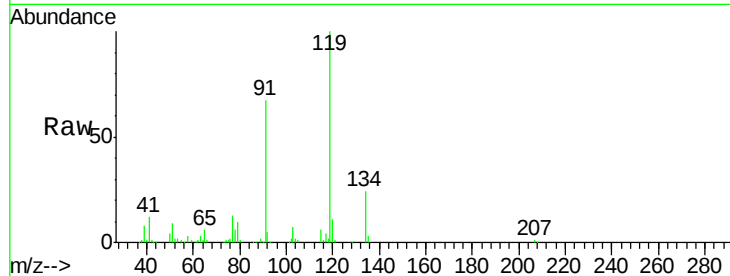
ClientSampled :

VN0206WBSD01

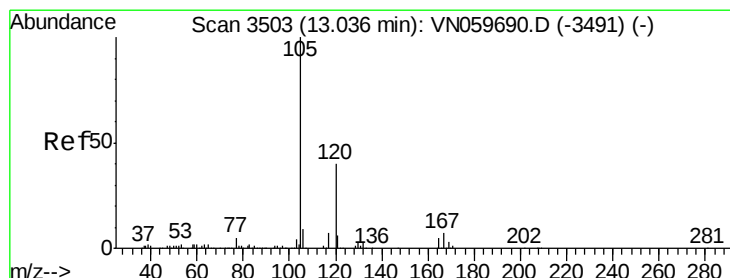
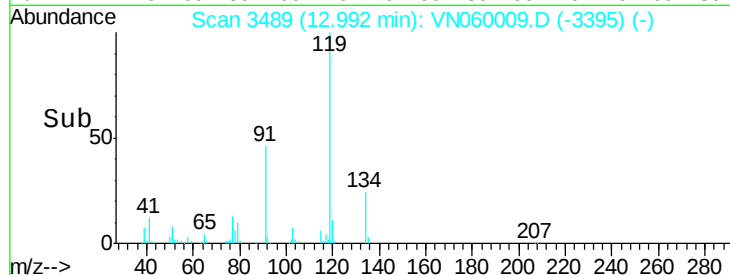
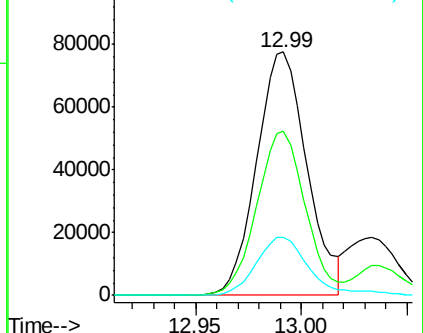
Tot Ion:	119	Resp:	128834
Ion Ratio	Lower	Upper	
119	100		
91	65.5	34.8	104.4
134	25.3	12.3	36.9

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.375 ug/l

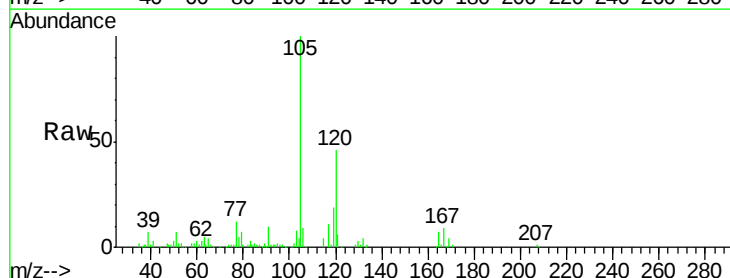
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

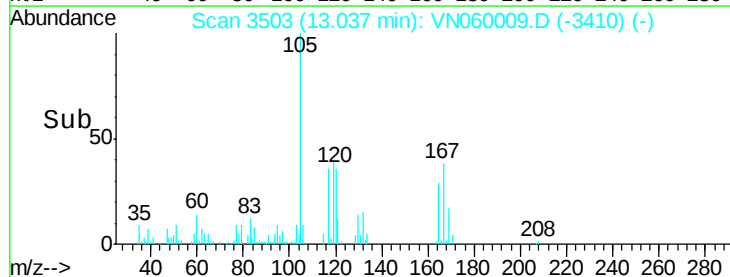
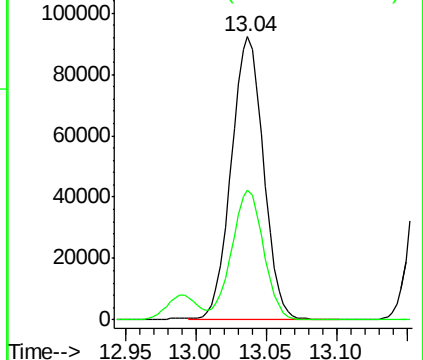
Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	105	Resp:	148014
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





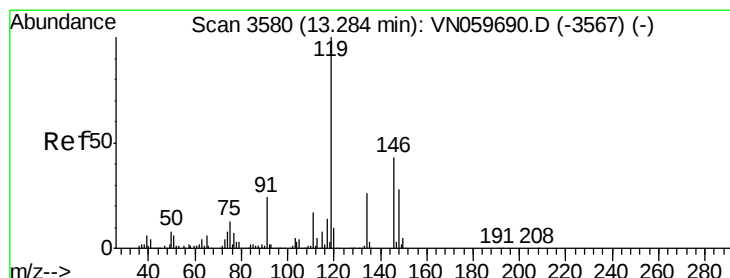
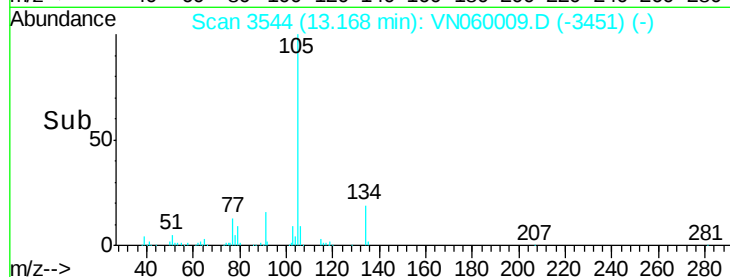
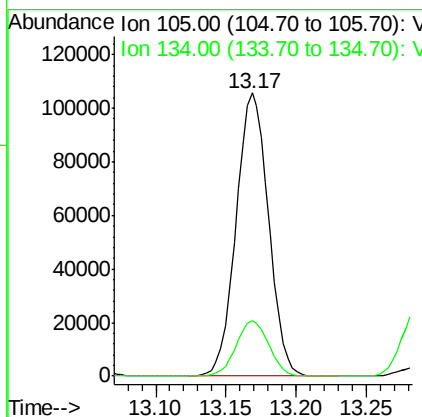
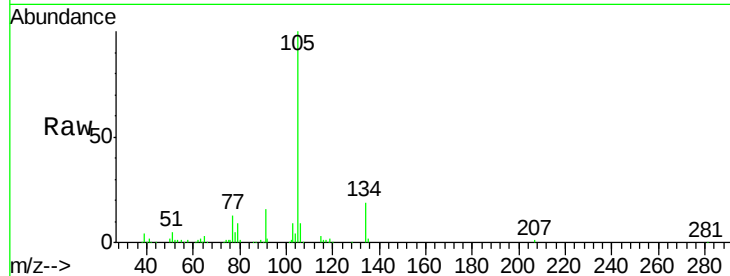
#85
 sec-Butylbenzene
 Concen: 20.378 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

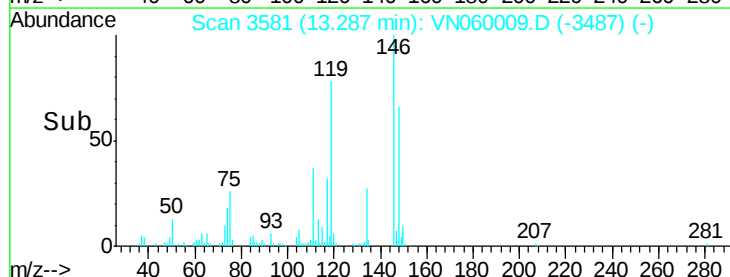
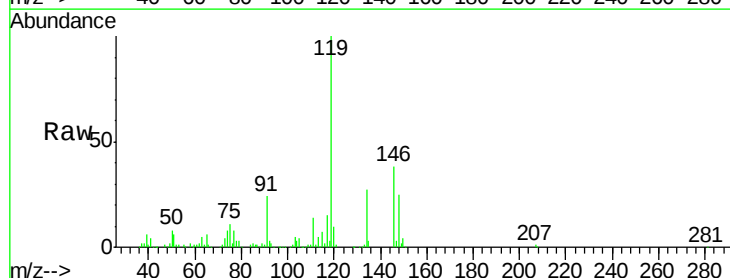
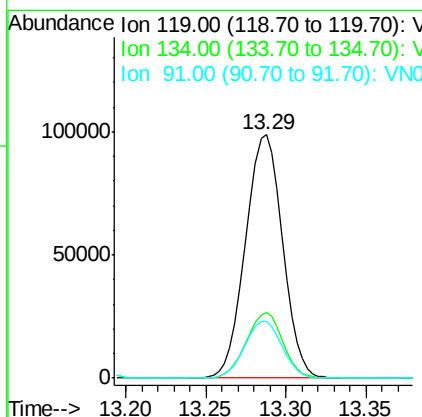
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#86
 p-Isopropyltoluene
 Concen: 20.214 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.7
91	23.5	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 20.835 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

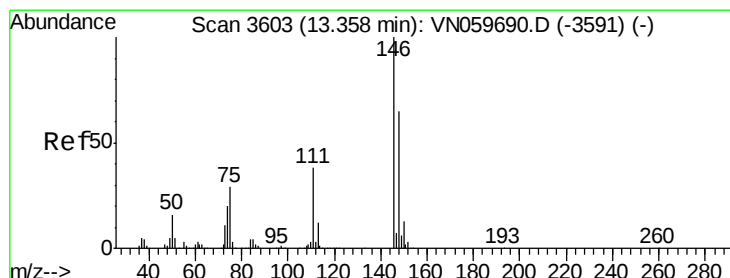
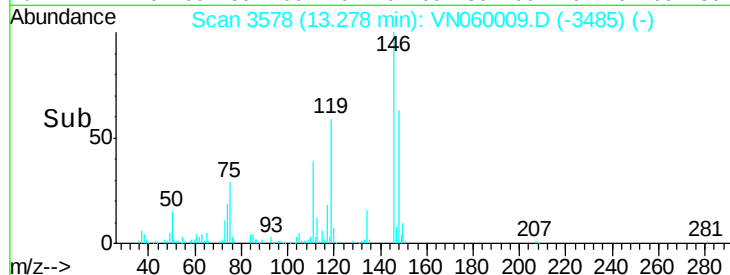
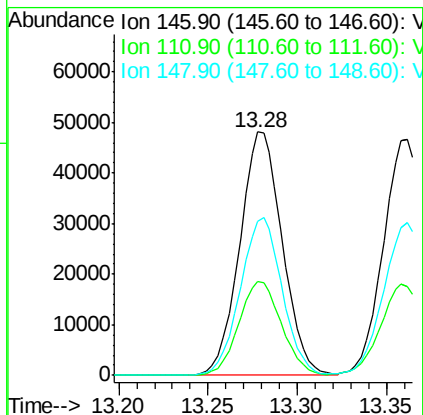
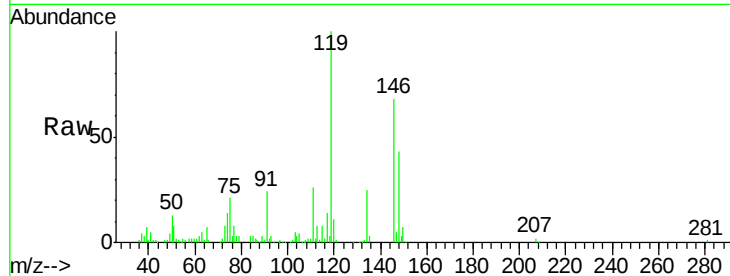
ClientSampleId :

VN0206WBSD01

Tot Ion:	146	Resp:	80024
Ion Ratio	Lower	Upper	
146	100		
111	38.7	20.8	62.2
148	63.9	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 20.400 ug/l

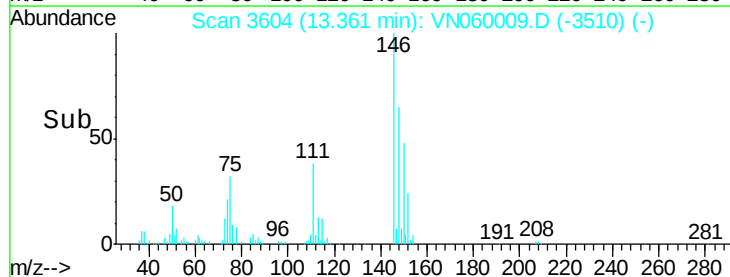
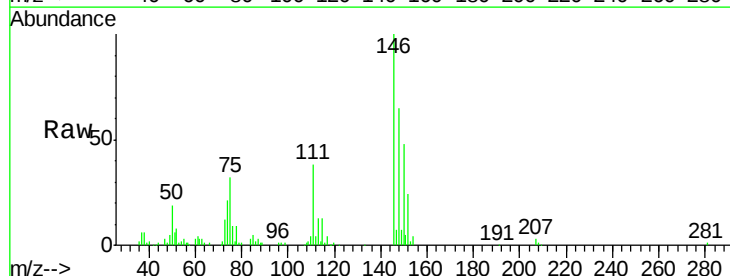
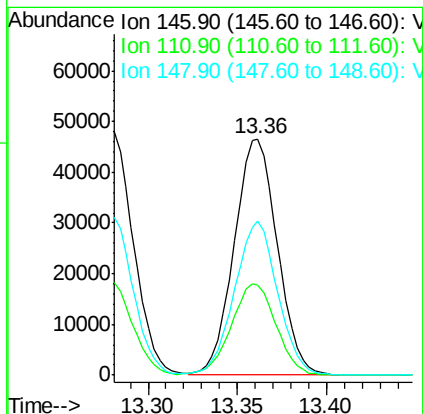
RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	146	Resp:	78163
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.8	62.2
148	65.6	31.8	95.4





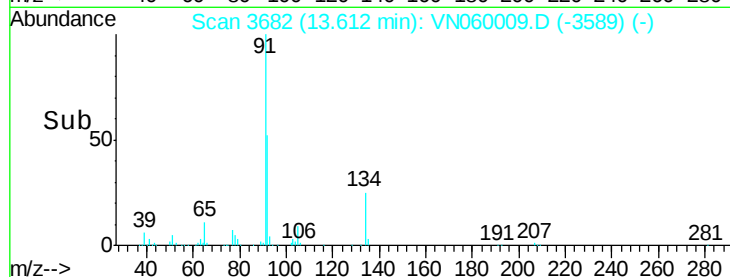
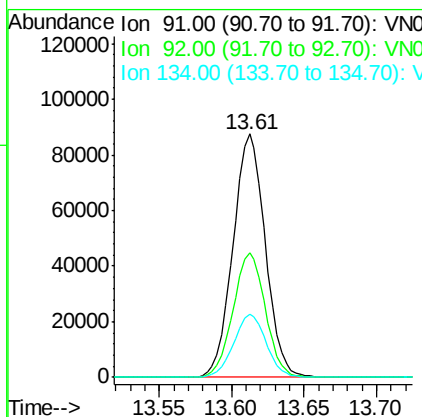
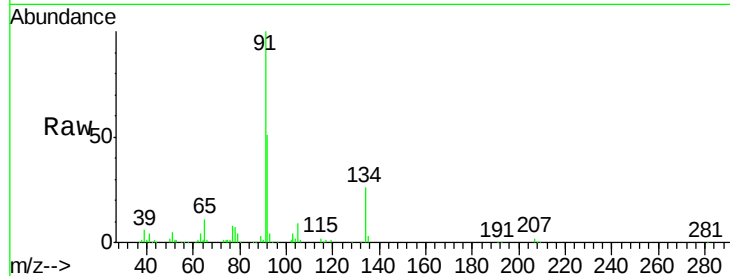
#89
n-Butylbenzene
Concen: 20.519 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.7
134	25.9	12.3	36.8

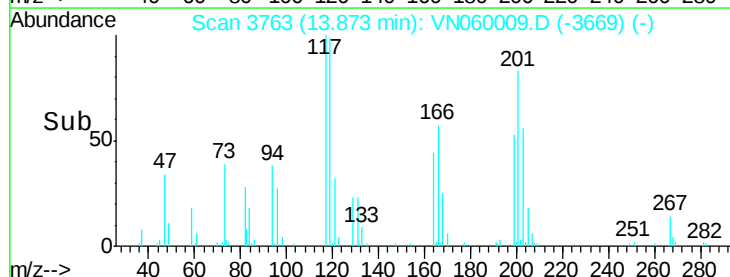
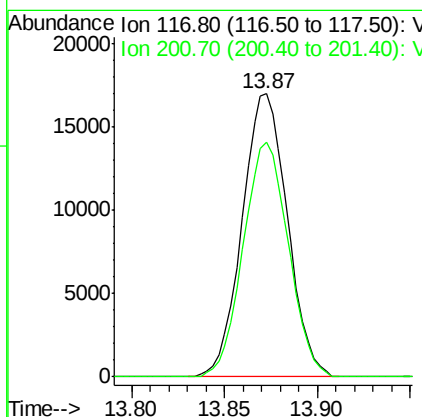
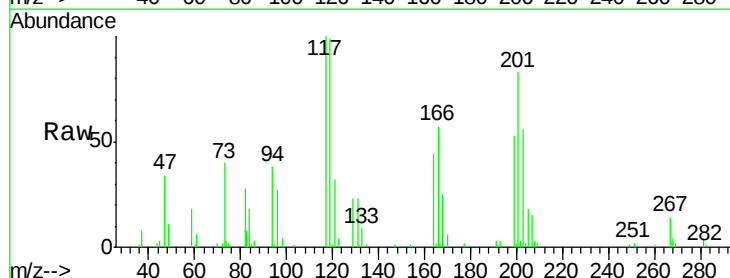
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#90
Hexachloroethane
Concen: 19.820 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 20.828 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Instrument :

MSVOA_N

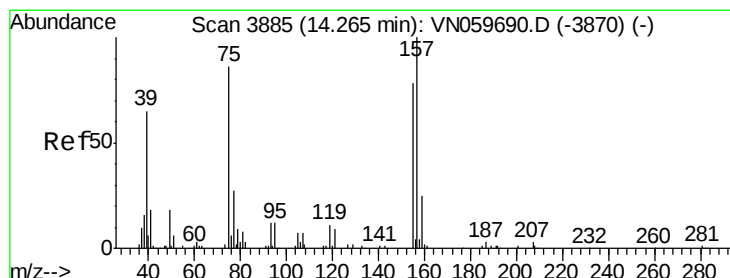
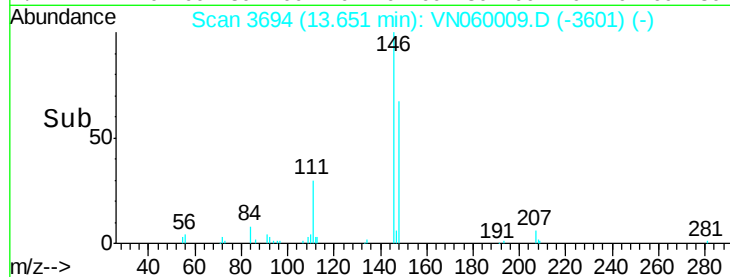
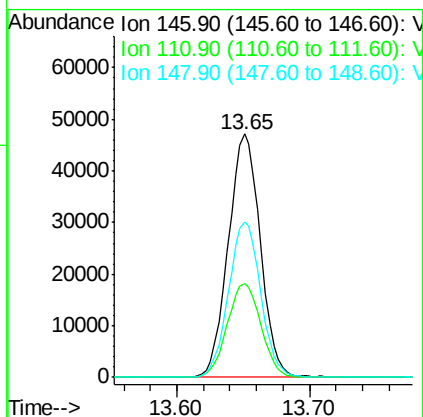
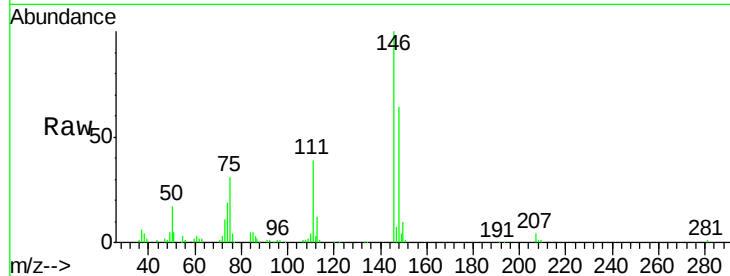
ClientSampleId :

VN0206WBSD01

Tot Ion:	146	Resp:	79086
Ion Ratio	Lower	Upper	
146	100		
111	40.4	21.6	64.8
148	64.2	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.625 ug/l

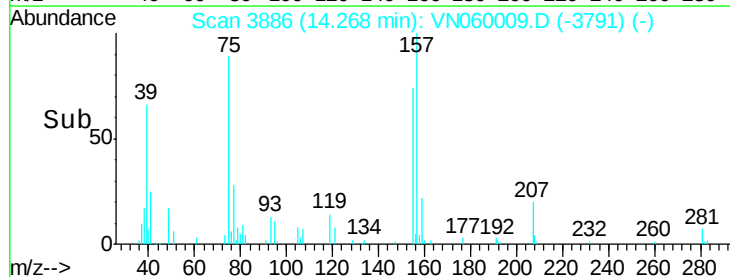
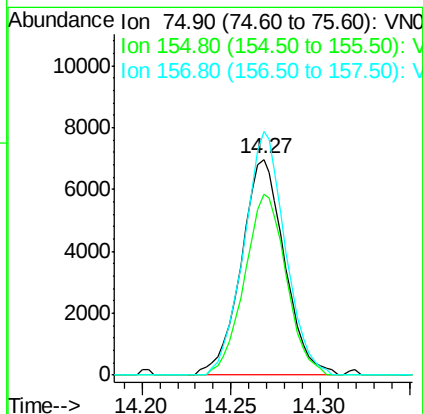
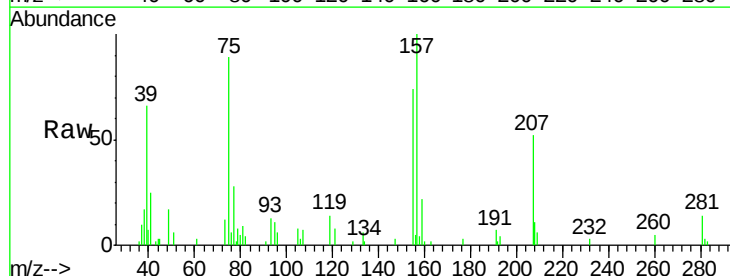
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060009.D

Acq: 6 Feb 2020 11:53

Tgt Ion:	75	Resp:	11872
Ion Ratio	Lower	Upper	
75	100		
155	80.6	37.0	110.9
157	107.5	48.4	145.2





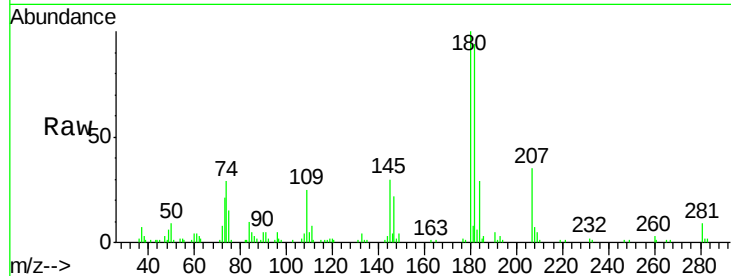
#93
 1,2,4-Trichlorobenzene
 Concen: 20.785 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0206WBSD01

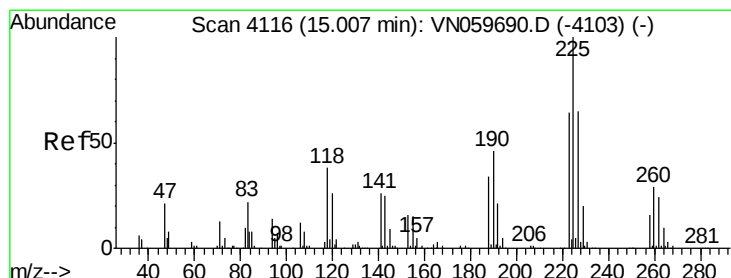
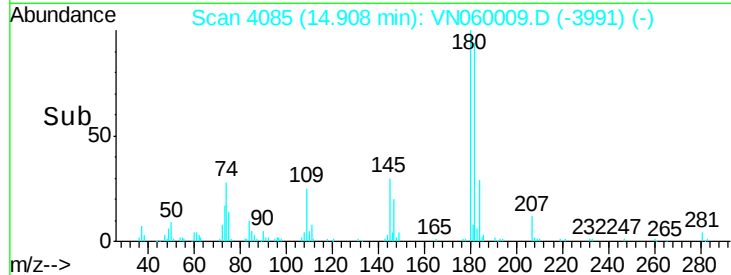
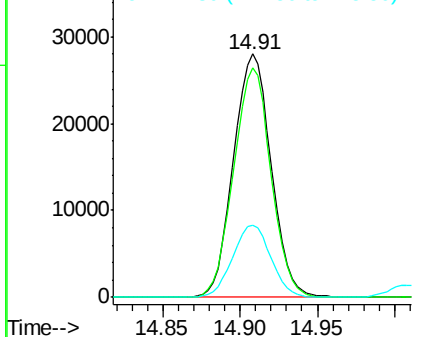
Tot Ion	Ratio	Resp	Lower	Upper
180	100	47422		
182	93.3	46.9	140.7	
145	30.1	15.0	45.1	

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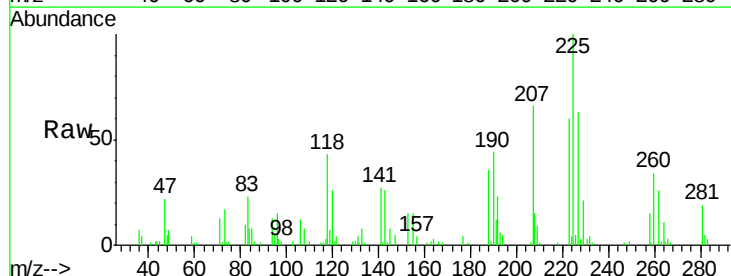


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

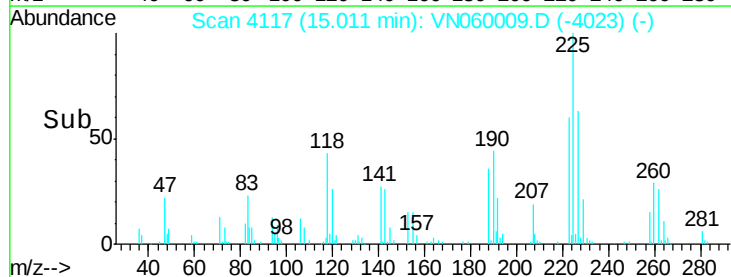
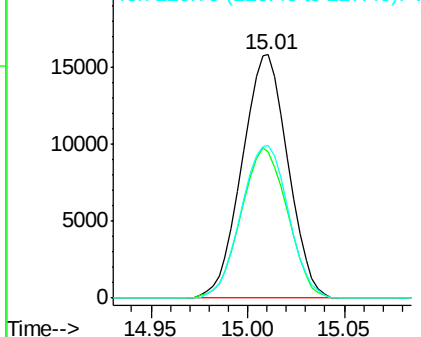


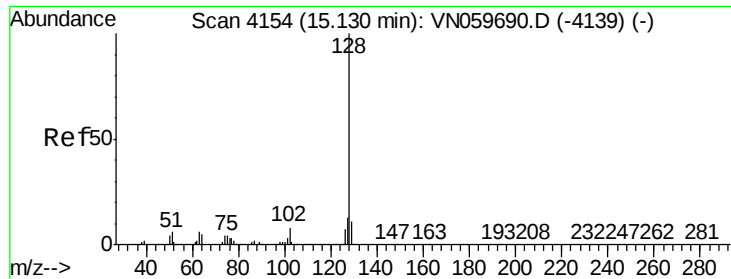
#94
 Hexachlorobutadiene
 Concen: 20.804 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060009.D
 Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26157		
223	62.2	31.8	95.3	
227	64.4	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





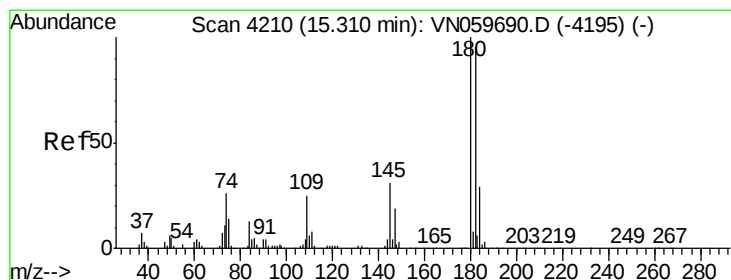
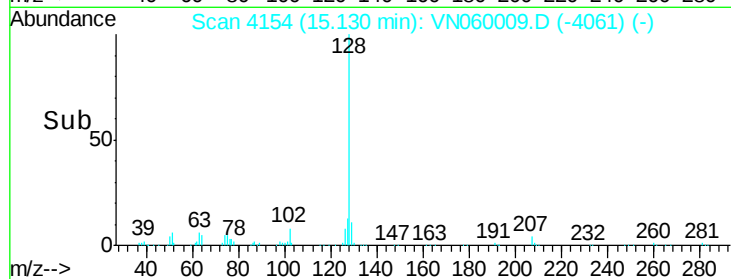
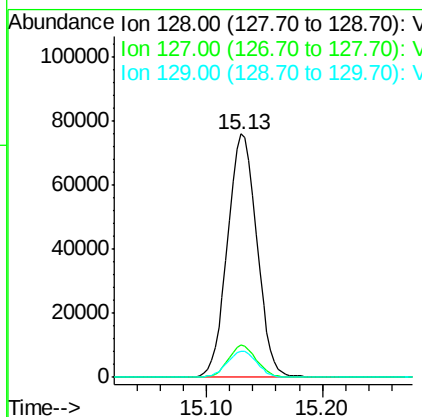
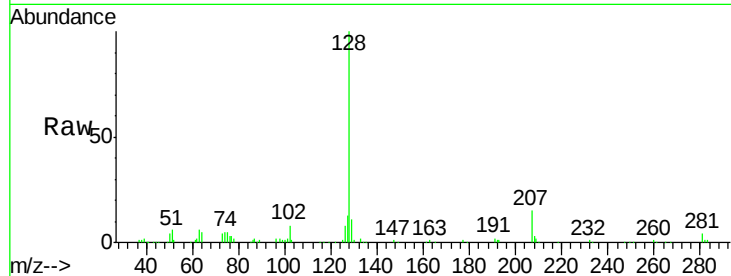
#95
Naphthalene
Concen: 20.487 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/7/2020 1:44:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.042 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060009.D
Acq: 6 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.3
145	31.6	16.3	48.9

