

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061009.D
 Acq On : 16 Apr 2020 14:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041620

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:20 AM

Quant Time: Apr 17 03:54:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	294465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	104822	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.56	113	83160	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.08	98	301837	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.39	95	119507	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	120038	51.470	ug/l	100
3) Chloromethane	2.04	50	153074	48.923	ug/l	99
4) Vinyl Chloride	2.17	62	131623	50.621	ug/l	100
5) Bromomethane	2.54	94	67735	51.947	ug/l	99
6) Chloroethane	2.68	64	78408	52.275	ug/l	99
7) Trichlorofluoromethane	3.00	101	169380	52.325	ug/l	99
8) Diethyl Ether	3.38	74	66006	51.304	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96184	50.645	ug/l	99
10) Methyl Iodide	3.93	142	93711	55.931	ug/l	99
11) Tert butyl alcohol	4.72	59	90743	226.593	ug/l	100
12) 1,1-Dichloroethene	3.72	96	98099	50.815	ug/l	98
13) Acrolein	3.57	56	78179	231.208	ug/l	99
14) Allyl chloride	4.29	41	179937	49.261	ug/l	98
15) Acrylonitrile	4.94	53	276993	255.101	ug/l	98
16) Acetone	3.78	43	258261	259.961	ug/l	99
17) Carbon Disulfide	4.03	76	305817	50.624	ug/l	99
18) Methyl Acetate	4.28	43	156931	50.375	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	338326	50.261	ug/l	97
20) Methylene Chloride	4.52	84	109499	50.482	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	105798	51.238	ug/l	97
22) Diisopropyl ether	5.91	45	382436	50.412	ug/l	99
23) Vinyl Acetate	5.86	43	1509511	253.745	ug/l	100
24) 1,1-Dichloroethane	5.81	63	207538	50.652	ug/l	100
25) 2-Butanone	6.79	43	380987	250.263	ug/l	99
26) 2,2-Dichloropropane	6.79	77	176954	51.869	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	119729	50.507	ug/l	100
28) Bromochloromethane	7.17	49	90306	48.016	ug/l	100
29) Tetrahydrofuran	7.17	42	249548	241.458	ug/l	99
30) Chloroform	7.34	83	194107	50.791	ug/l	97
31) Cyclohexane	7.63	56	204512	48.642	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	167030	50.529	ug/l	99
36) 1,1-Dichloropropene	7.77	75	156321	51.445	ug/l	100
37) Ethyl Acetate	6.89	43	158684	48.094	ug/l	99
38) Carbon Tetrachloride	7.75	117	135688	53.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	190606	52.468	ug/l	99
40) Benzene	8.02	78	456828	50.677	ug/l	100
41) Methacrylonitrile	7.15	41	78050m	56.714	ug/l	
42) 1,2-Dichloroethane	8.10	62	157862	51.406	ug/l	100
43) Isopropyl Acetate	8.14	43	270588	50.425	ug/l	99
44) Trichloroethene	8.81	130	114264	50.445	ug/l	100
45) 1,2-Dichloropropane	9.10	63	123699	50.804	ug/l	98
46) Dibromomethane	9.19	93	74431	53.020	ug/l	99
47) Bromodichloromethane	9.38	83	153691	51.824	ug/l	98
48) Methyl methacrylate	9.18	41	122761	51.767	ug/l	99
49) 1,4-Dioxane	9.18	88	29415	894.793	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	784781	253.695	ug/l	100
52) Toluene	10.14	92	275931	51.023	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	182312	52.923	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	196383	52.248	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	105617	51.607	ug/l	97
56) Ethyl methacrylate	10.42	69	171693	53.351	ug/l	100
57) 1,3-Dichloropropane	10.69	76	184991	50.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	372674	254.850	ug/l	100
59) 2-Hexanone	10.74	43	574002	257.296	ug/l	99
60) Dibromochloromethane	10.89	129	110174	52.406	ug/l	99
61) 1,2-Dibromoethane	10.99	107	107288	51.447	ug/l	100
64) Tetrachloroethene	10.62	164	103863	50.515	ug/l	99
65) Chlorobenzene	11.42	112	279830	50.448	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	101537	51.165	ug/l	99
67) Ethyl Benzene	11.50	91	531886	50.977	ug/l	98
68) m/p-Xylenes	11.61	106	387725	102.823	ug/l	100
69) o-Xylene	11.94	106	186498	51.440	ug/l	100
70) Styrene	11.96	104	311397	53.351	ug/l	99
71) Bromoform	12.12	173	78759	53.169	ug/l	# 100
73) Isopropylbenzene	12.24	105	502941	49.692	ug/l	100
74) N-amyl acetate	12.06	43	231120	49.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152280	49.289	ug/l	100
76) 1,2,3-Trichloropropane	12.54	75	143219m	51.540	ug/l	
77) Bromobenzene	12.52	156	116795	49.425	ug/l	99
78) n-propylbenzene	12.58	91	604019	51.009	ug/l	99
79) 2-Chlorotoluene	12.67	91	346023	49.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	424967	50.798	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55928	49.644	ug/l	98
82) 4-Chlorotoluene	12.77	91	364621	50.621	ug/l	99
83) tert-Butylbenzene	12.99	119	354901	50.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	424033	51.277	ug/l	100
85) sec-Butylbenzene	13.17	105	485671	50.948	ug/l	100
86) p-Isopropyltoluene	13.28	119	436115	51.377	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	211702	50.269	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	210662	49.723	ug/l	99
89) n-Butylbenzene	13.61	91	411554	52.137	ug/l	100
90) Hexachloroethane	13.87	117	67032	51.470	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	201614	50.160	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31315	52.372	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	128406	53.974	ug/l	100
94) Hexachlorobutadiene	15.00	225	62358	50.952	ug/l	100
95) Naphthalene	15.13	128	371896	53.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	121565	53.023	ug/l	100

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

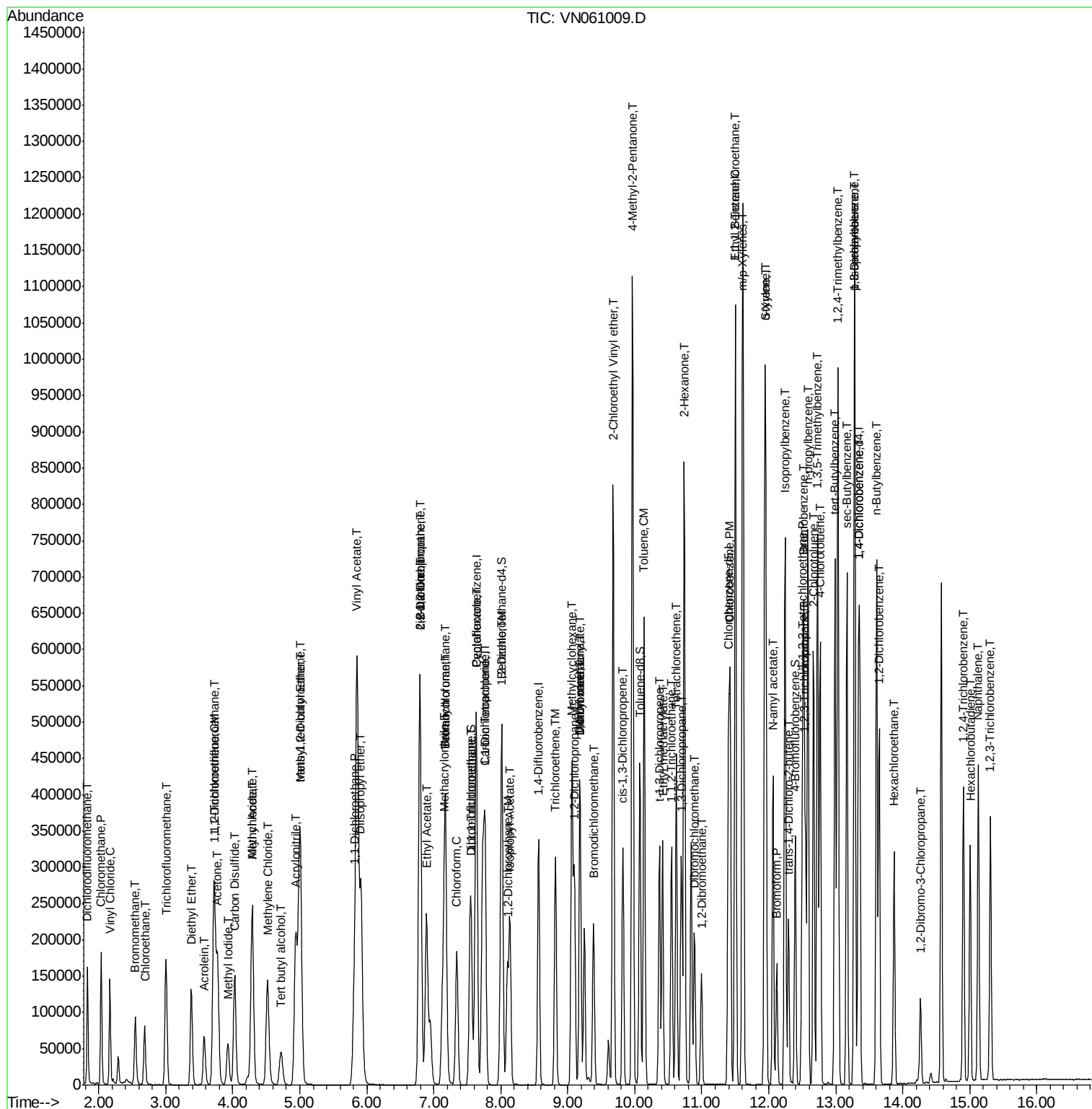
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041620\
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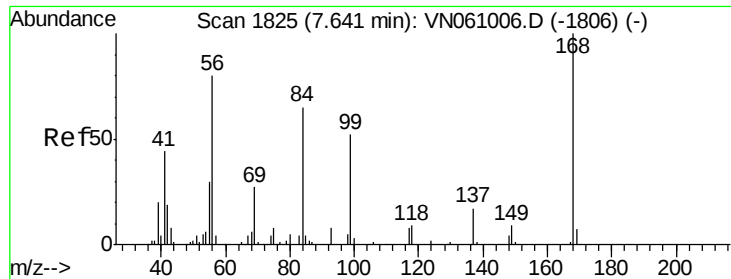
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion:168 Resp: 176413

Ion Ratio Lower Upper

168 100

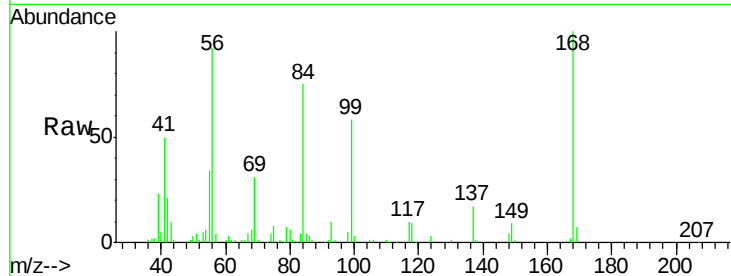
99 57.8 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

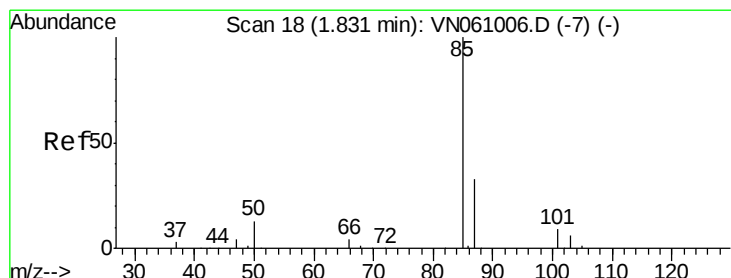
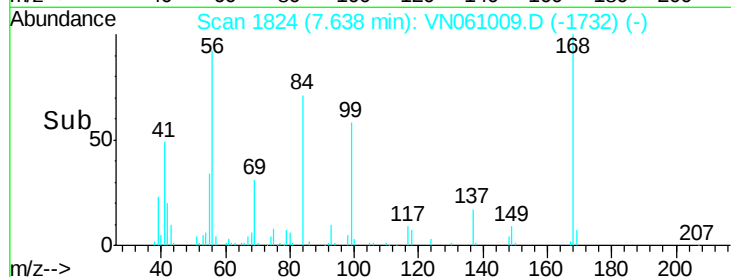
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.470 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061009.D

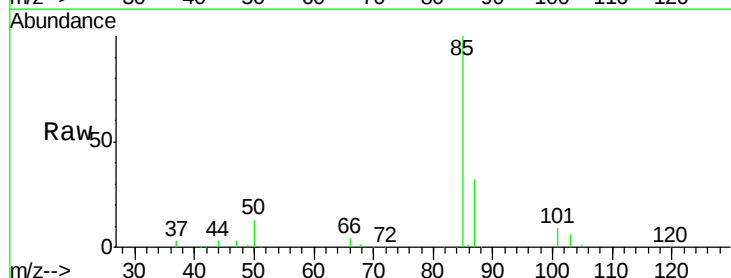
Acq: 16 Apr 2020 14:00

Tgt Ion: 85 Resp: 120038

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

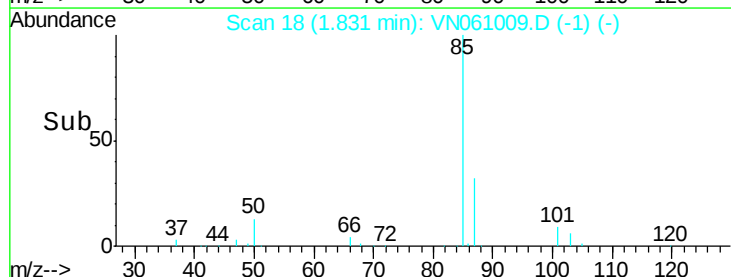
40000

20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 48.923 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion: 50 Resp: 153074

Ion Ratio Lower Upper

50 100

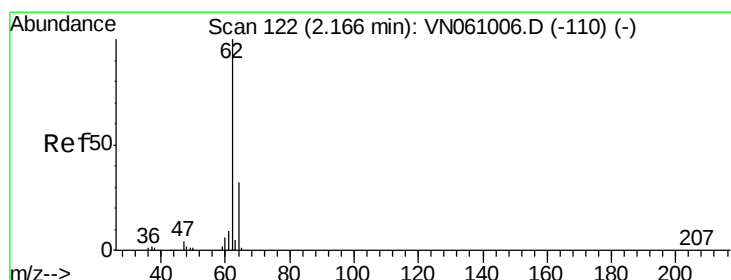
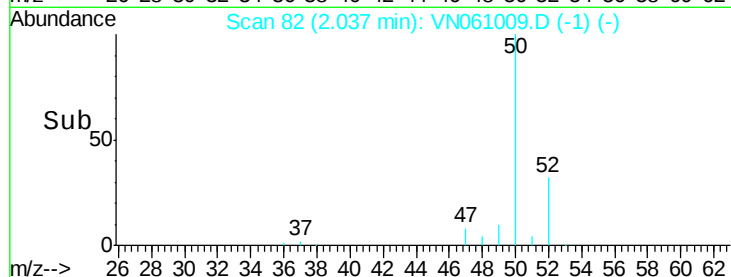
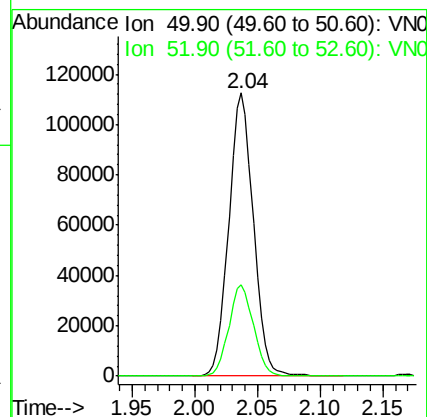
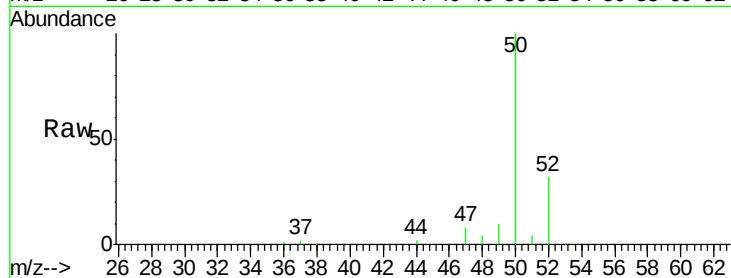
52 32.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.621 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN061009.D

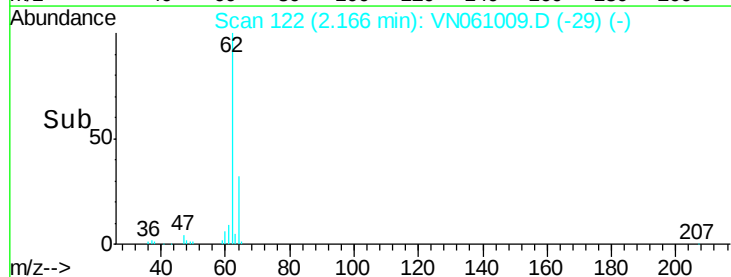
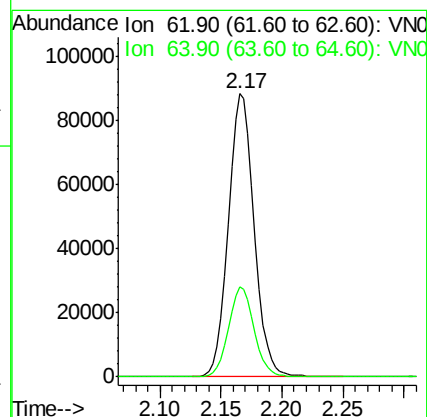
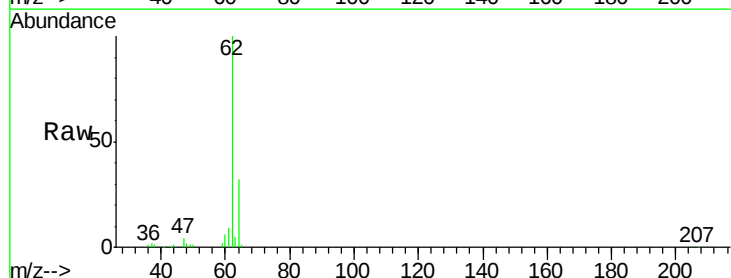
Acq: 16 Apr 2020 14:00

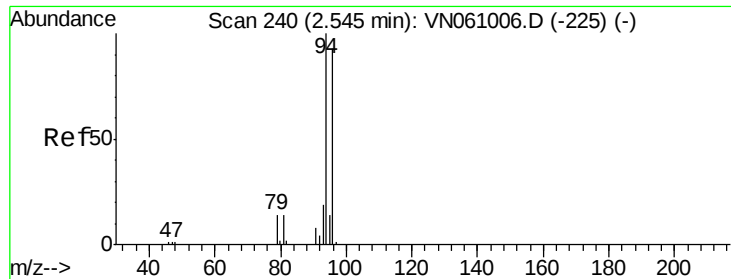
Tgt Ion: 62 Resp: 131623

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 51.947 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 67735

Ion Ratio Lower Upper

94 100

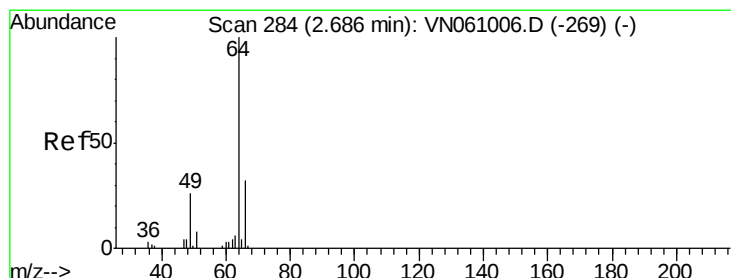
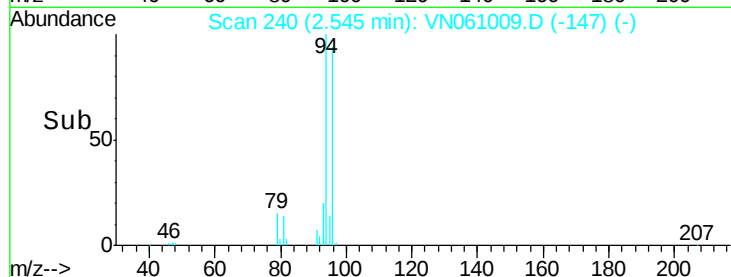
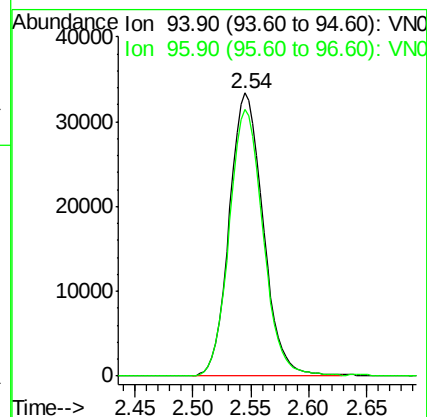
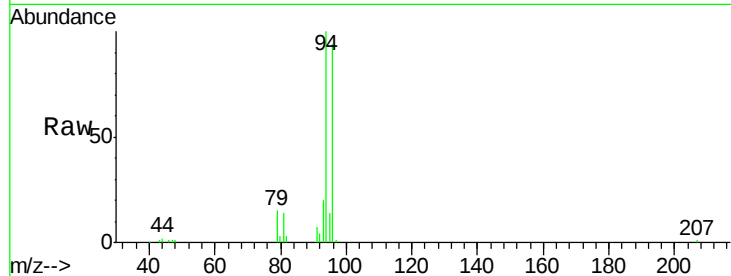
96 94.2 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 52.275 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061009.D

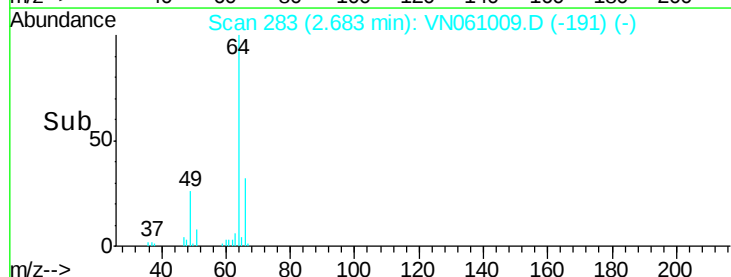
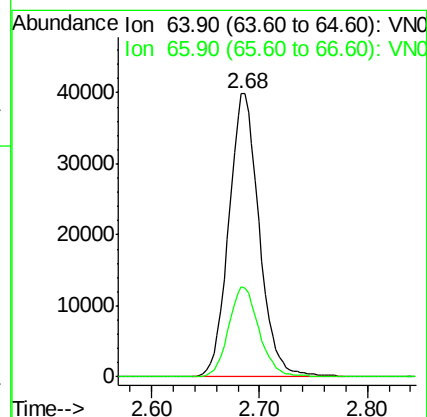
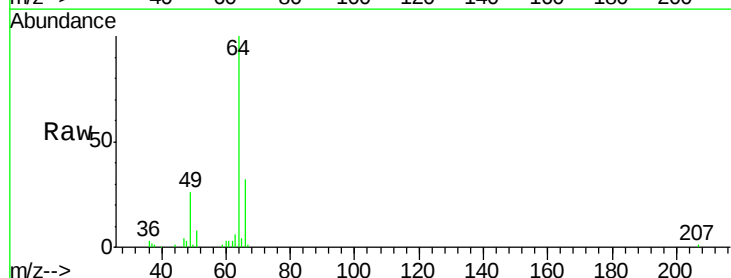
Acq: 16 Apr 2020 14:00

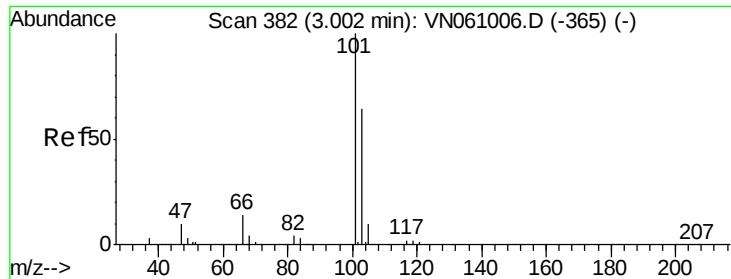
Tgt Ion: 64 Resp: 78408

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.8





#7

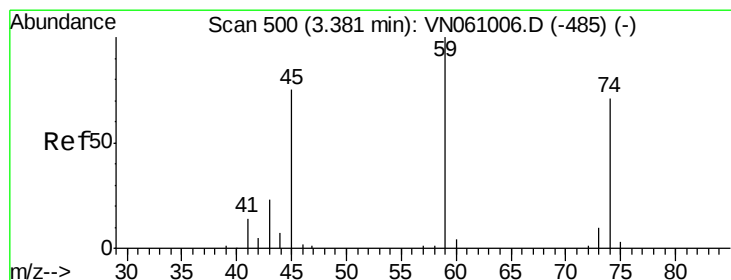
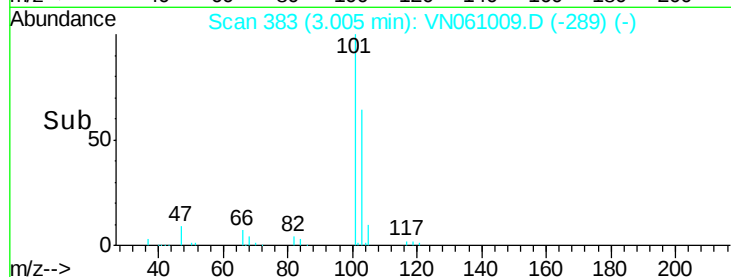
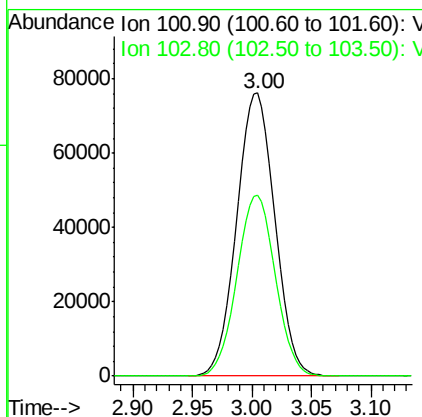
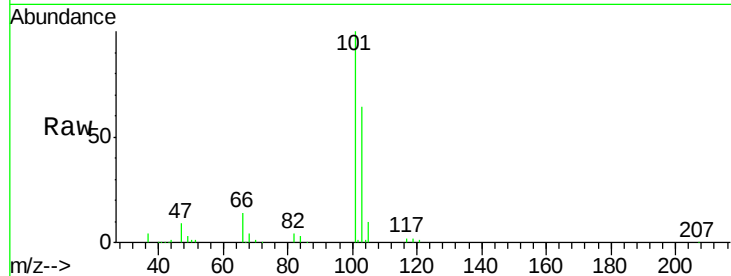
Trichlorofluoromethane
Concen: 52.325 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
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ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2

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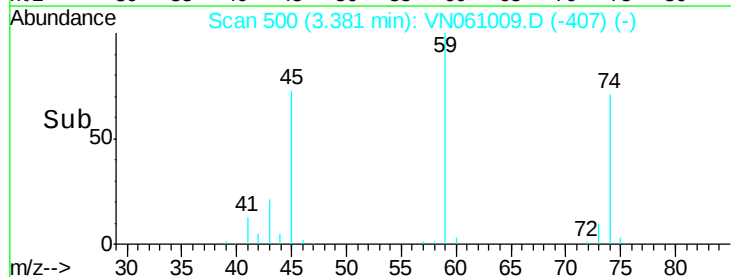
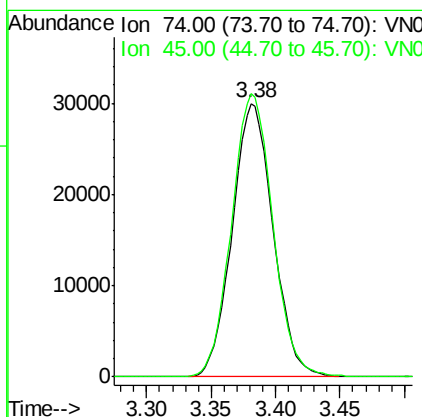
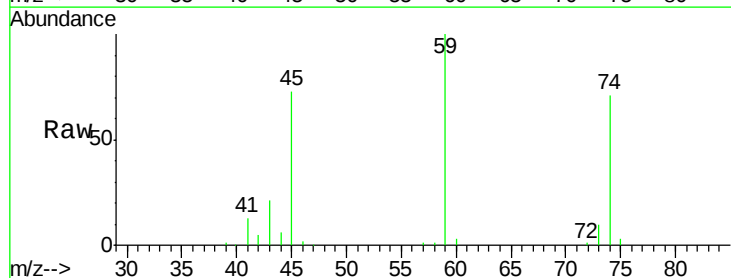
MMDadoda
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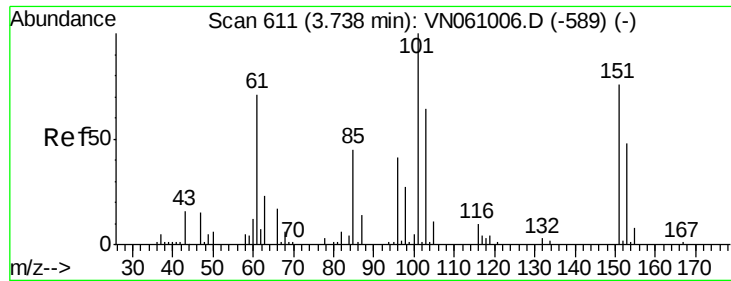


#8

Diethyl Ether
Concen: 51.304 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.645 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

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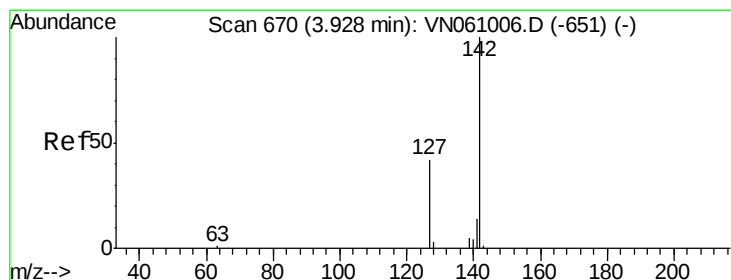
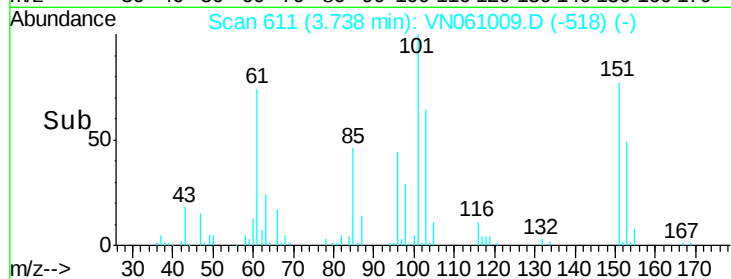
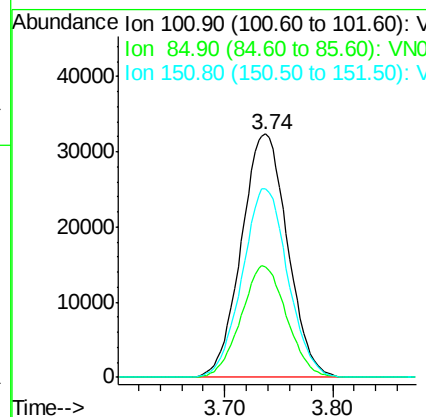
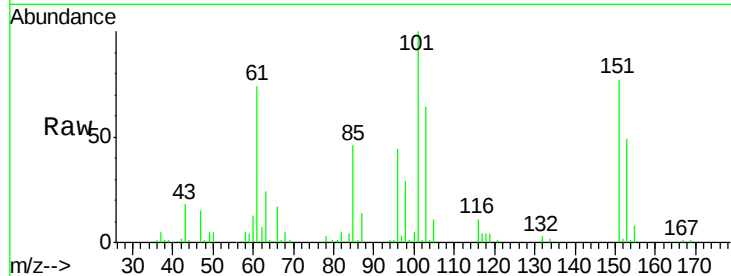
ClientSampleId :

ICVVN041620

Tot Ion:	101	Resp:	96184
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.9	53.9
151	76.6	60.8	91.2

Manual Integrations
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#10

Methyl Iodide

Concen: 55.931 ug/l

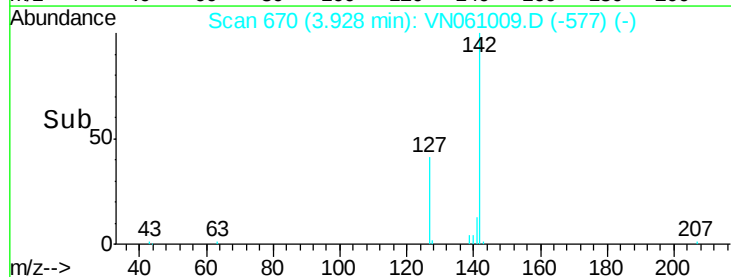
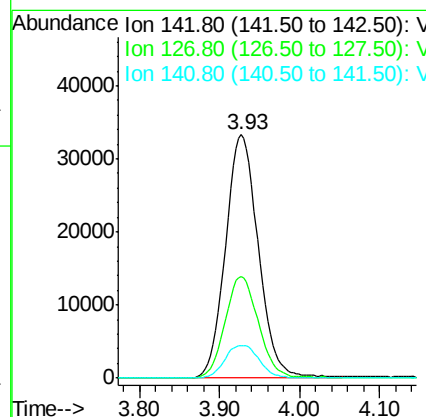
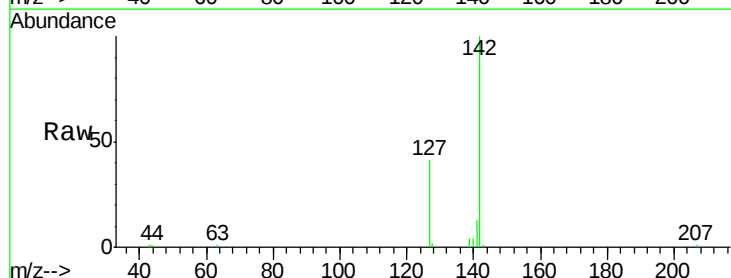
RT: 3.93 min Scan# 670

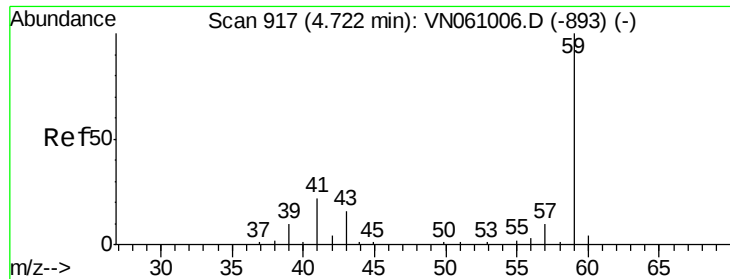
Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Tgt Ion:	142	Resp:	93711
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.4	50.2
141	13.9	11.0	16.6





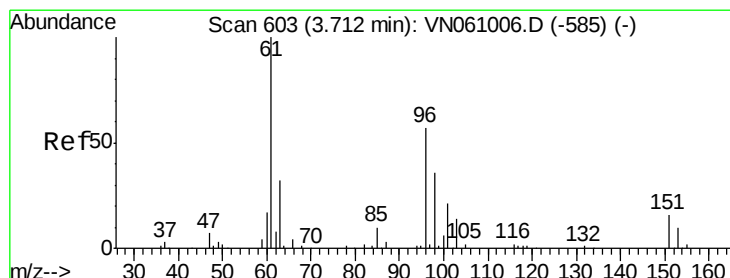
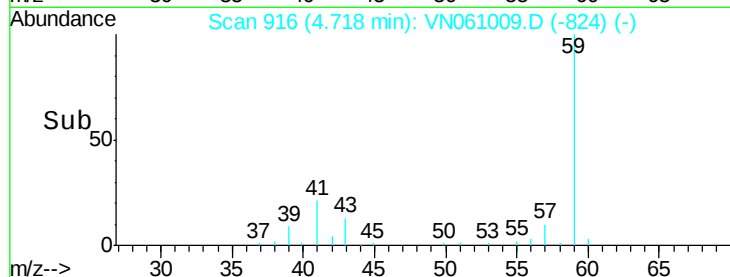
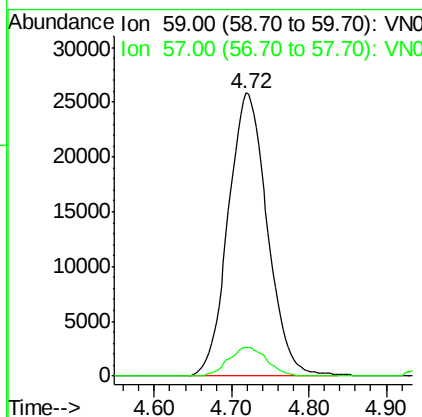
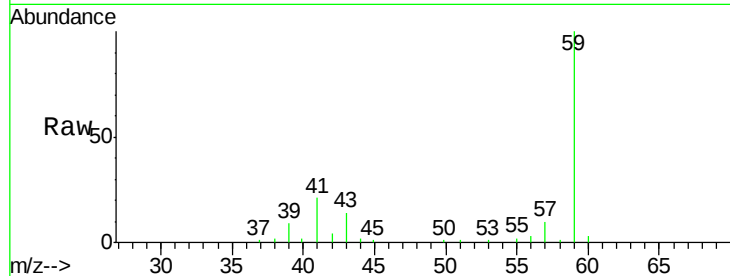
#11
Tert butyl alcohol
Concen: 226.593 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampled :
ICVVN041620

Tot Ion: 59 Resp: 90743
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1

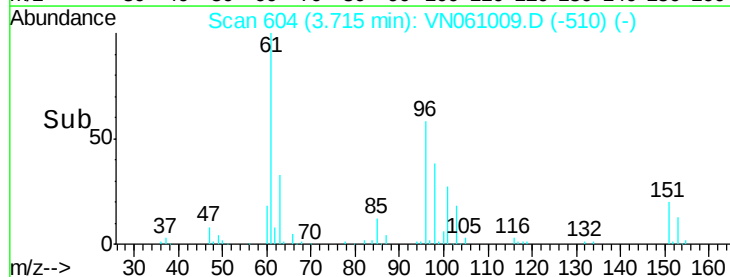
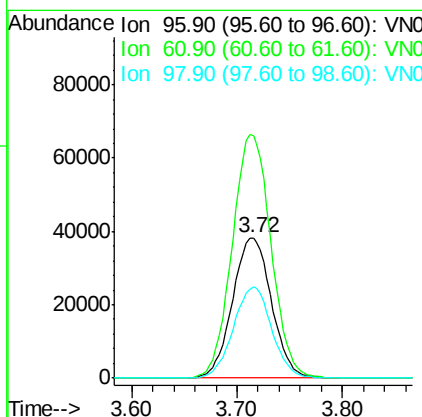
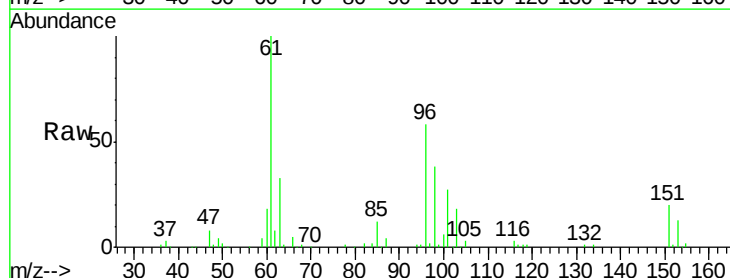
Manual Integrations
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MMDadoda
4/17/2020 11:53:20 AM



#12
1,1-Dichloroethene
Concen: 50.815 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion: 96 Resp: 98099
Ion Ratio Lower Upper
96 100
61 172.4 139.2 208.8
98 64.7 50.0 75.0





#13

Acrolein

Concen: 231.208 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion: 56 Resp: 78179

Ion Ratio Lower Upper

56 100

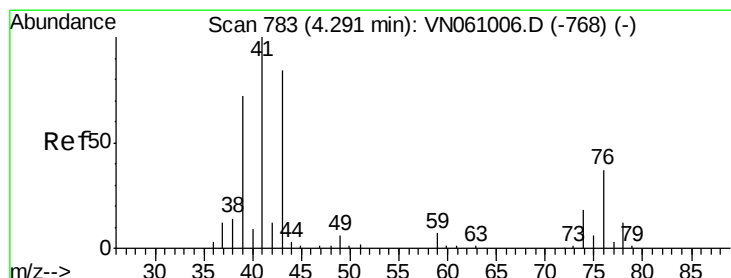
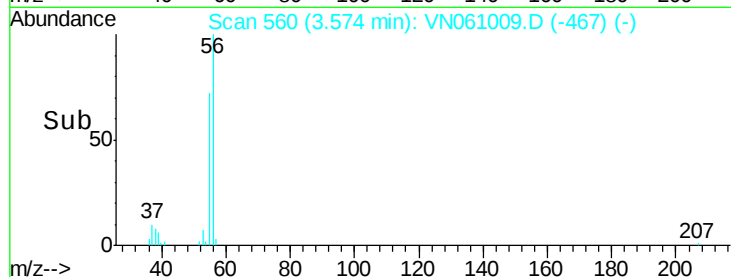
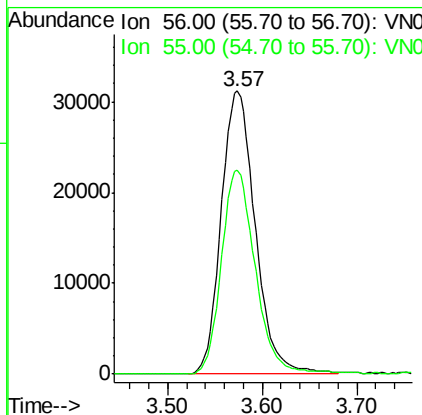
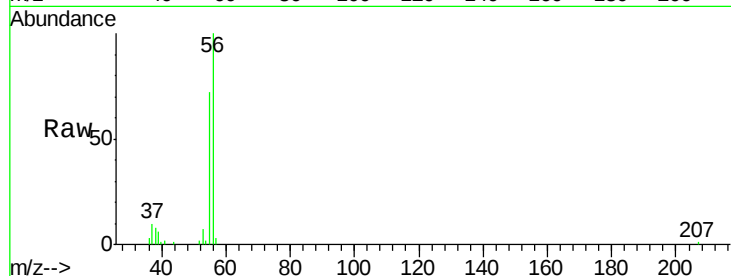
55 71.8 57.0 85.6

Manual Integrations

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MMDadoda

4/17/2020 11:53:20 AM



#14

Allyl chloride

Concen: 49.261 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

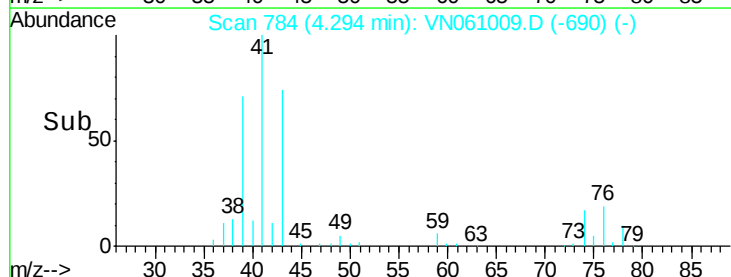
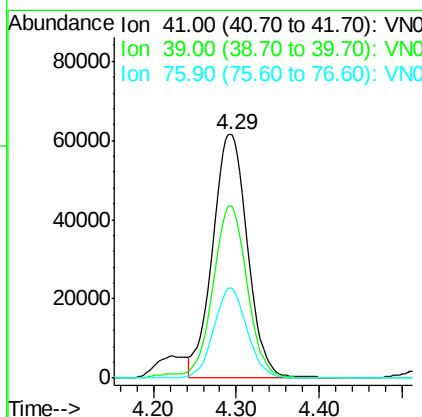
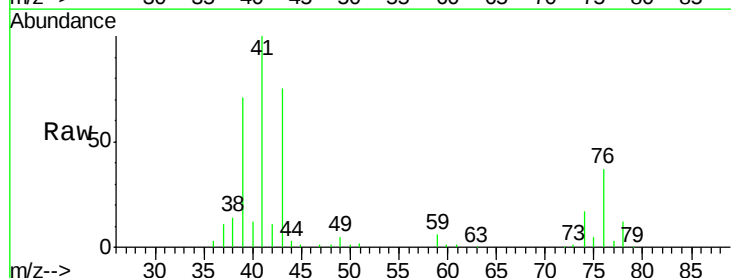
Tgt Ion: 41 Resp: 179937

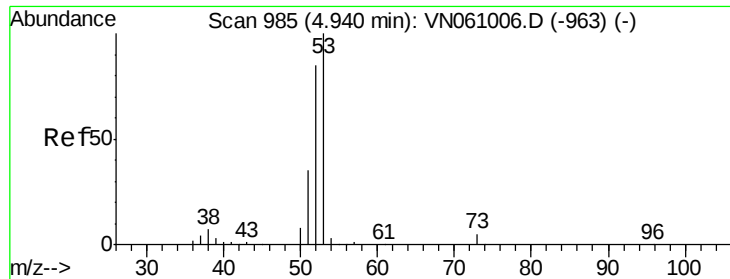
Ion Ratio Lower Upper

41 100

39 68.5 56.3 84.5

76 35.2 27.7 41.5





#15

Acrylonitrile

Concen: 255.101 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

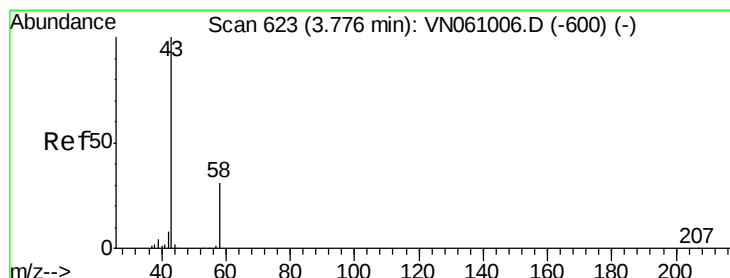
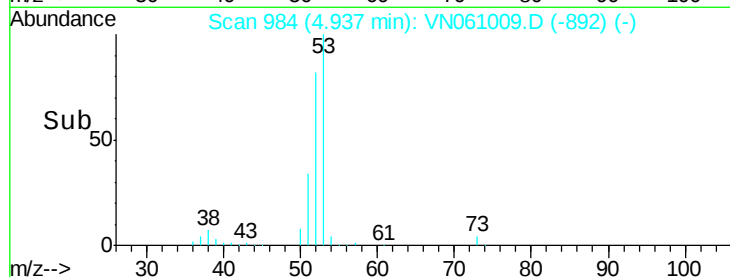
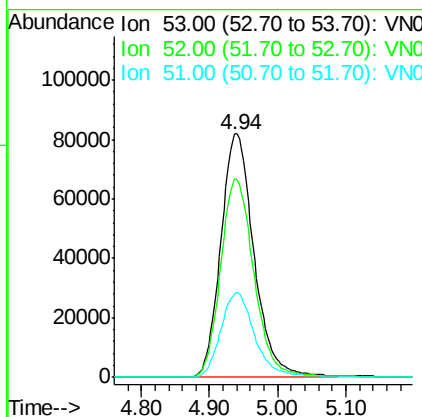
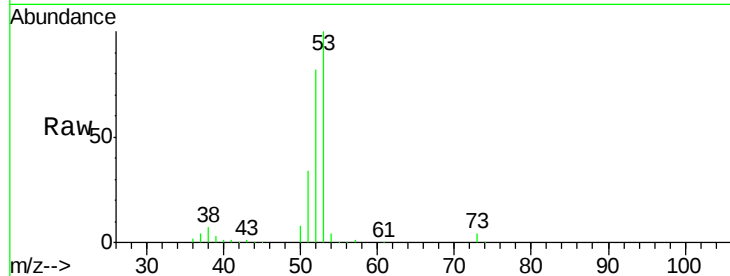
ClientSampleId :

ICVVN041620

Tot Ion:	53	Resp:	276993
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.8	100.2
51	35.5	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 259.961 ug/l

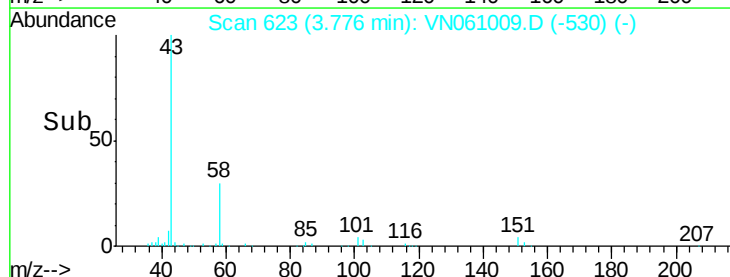
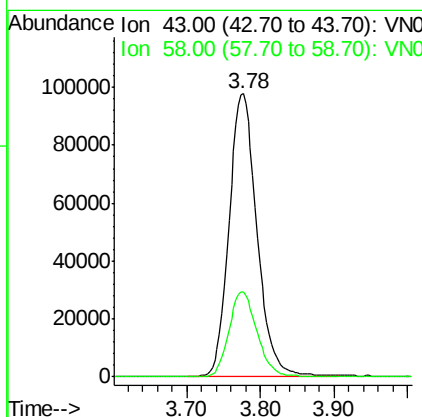
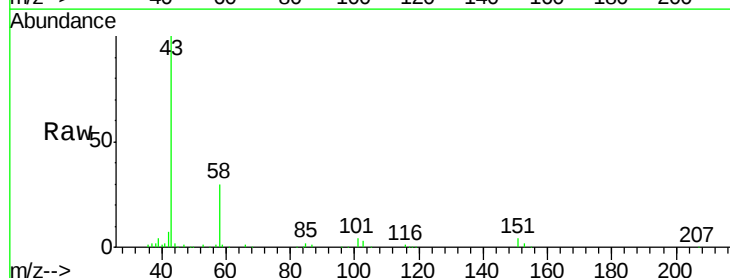
RT: 3.78 min Scan# 623

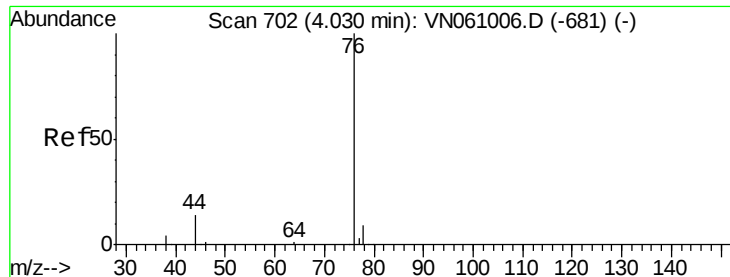
Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Tgt Ion:	43	Resp:	258261
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.6	37.0





#17

Carbon Disulfide

Concen: 50.624 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion: 76 Resp: 305817

Ion Ratio Lower Upper

76 100

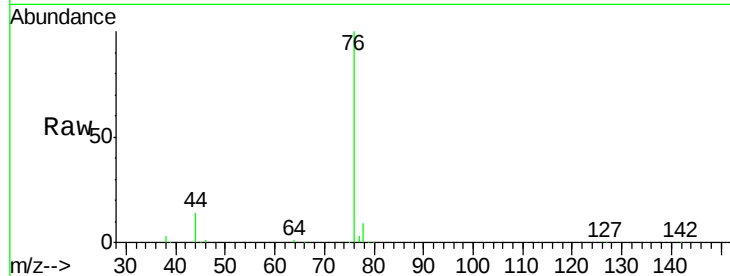
78 9.2 7.6 11.4

Manual Integrations

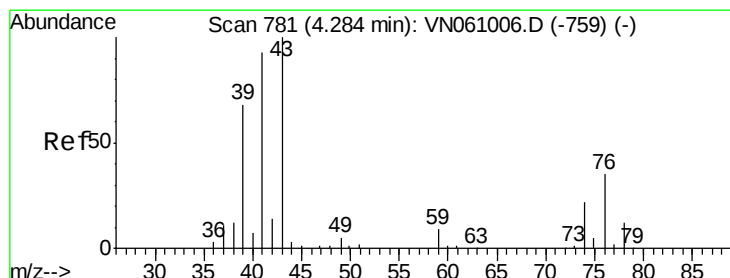
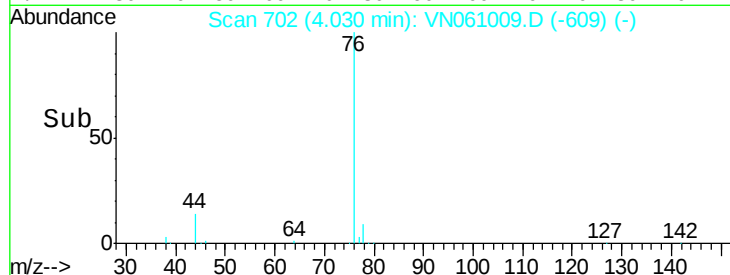
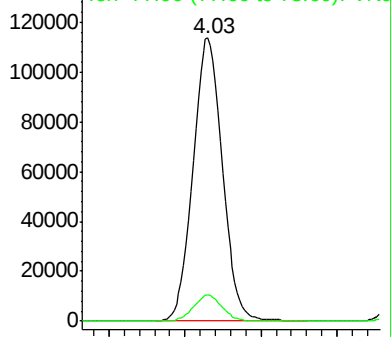
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Abundance Ion 75.90 (75.60 to 76.60): VN061009.D (-609) (-)



#18

Methyl Acetate

Concen: 50.375 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN061009.D

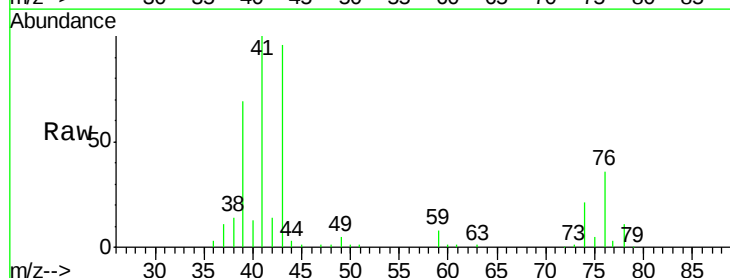
Acq: 16 Apr 2020 14:00

Tgt Ion: 43 Resp: 156931

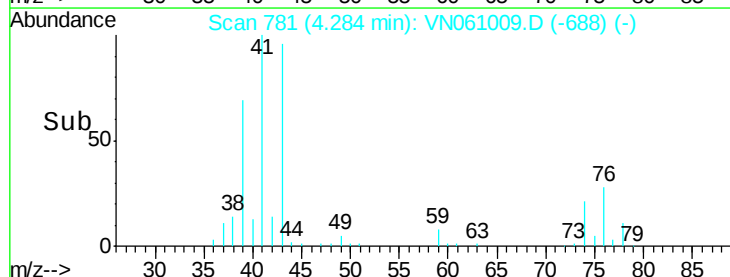
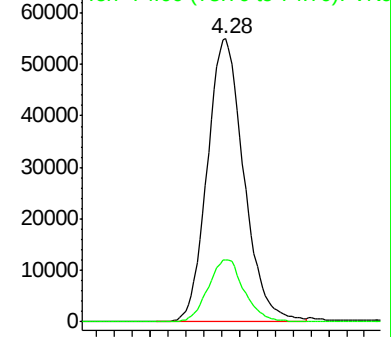
Ion Ratio Lower Upper

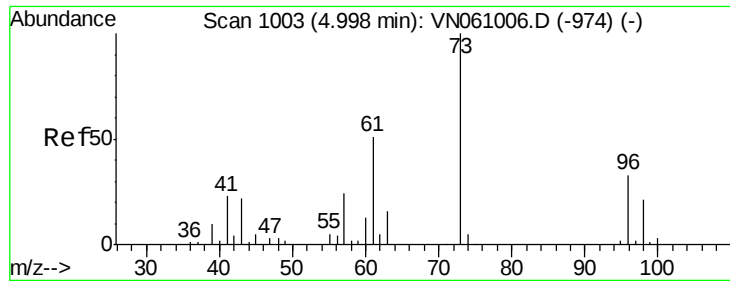
43 100

74 21.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN061009.D (-688) (-)





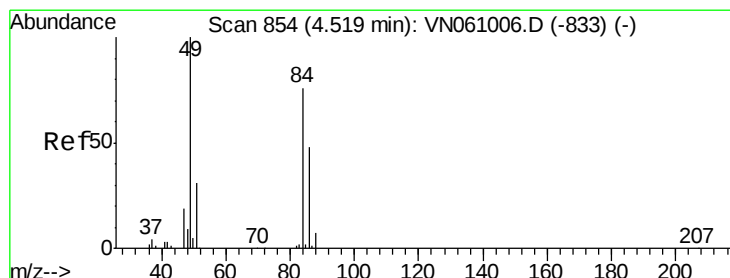
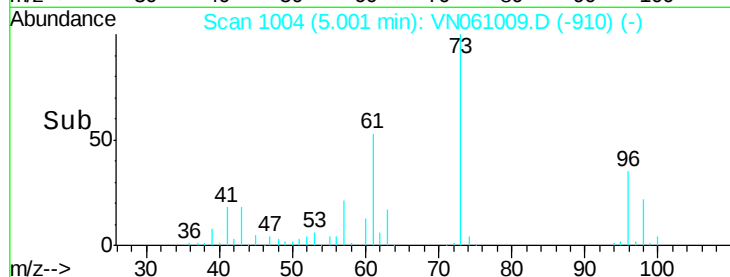
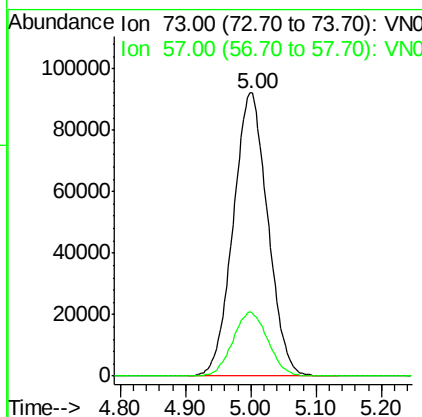
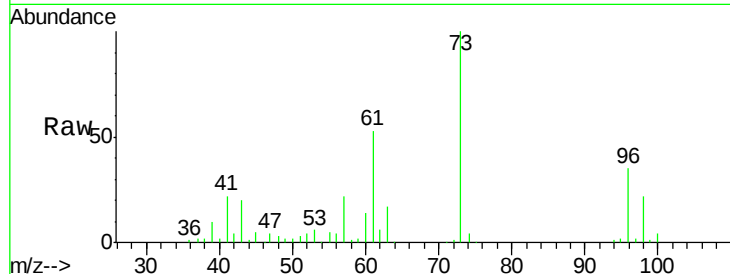
#19
Methvl tert-butvl Ether
Concen: 50.261 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion: 73 Resp: 338326
Ion Ratio Lower Upper
73 100
57 22.3 19.0 28.4

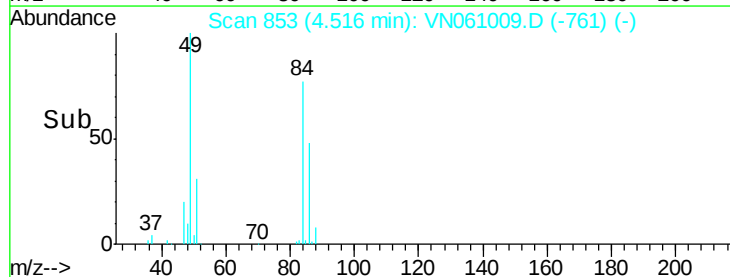
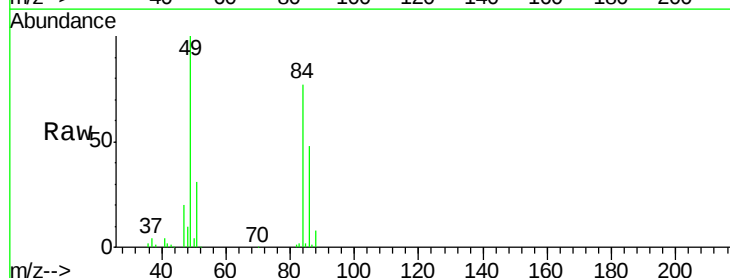
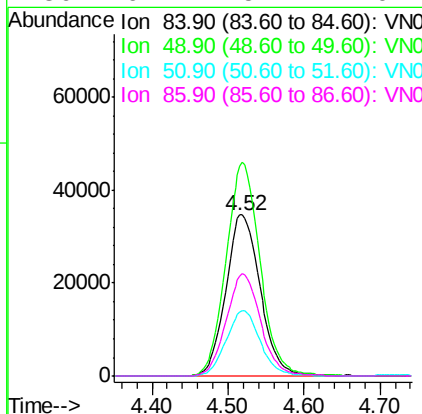
Manual Integrations
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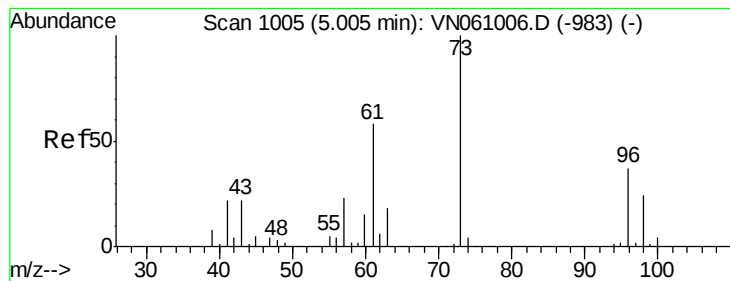
MMDadoda
4/17/2020 11:53:20 AM



#20
Methylene Chloride
Concen: 50.482 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion: 84 Resp: 109499
Ion Ratio Lower Upper
84 100
49 130.2 105.8 158.6
51 40.0 32.4 48.6
86 62.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 51.238 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion: 96 Resp: 105798

Ion Ratio Lower Upper

96 100

61 151.0 124.8 187.2

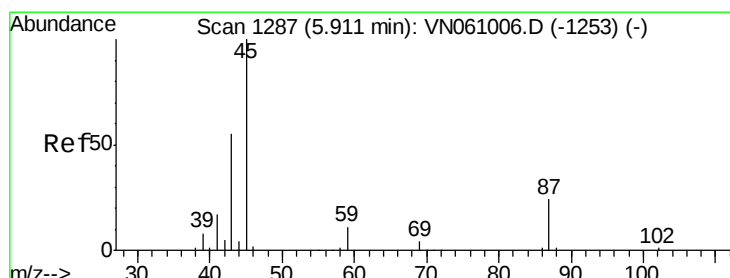
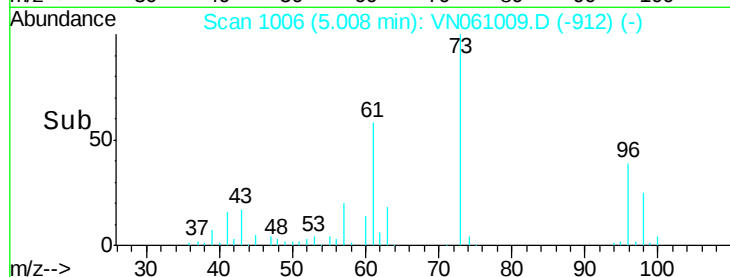
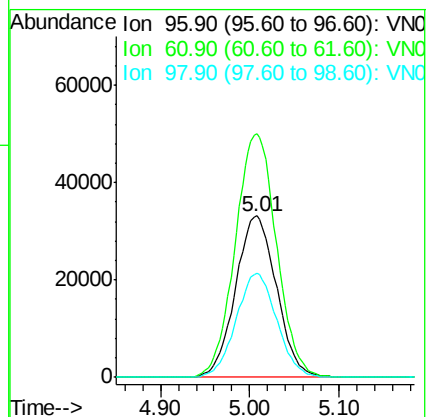
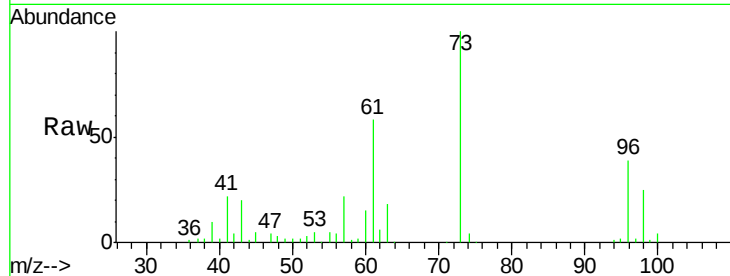
98 64.5 51.3 76.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.412 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Tgt Ion: 45 Resp: 382436

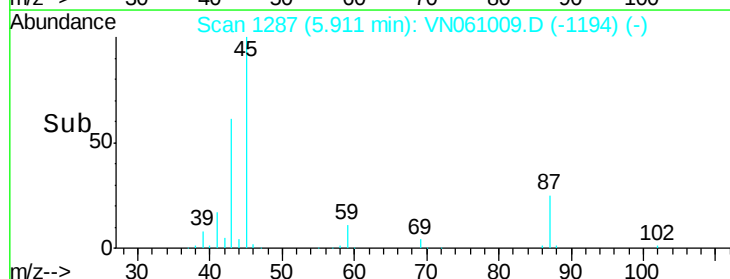
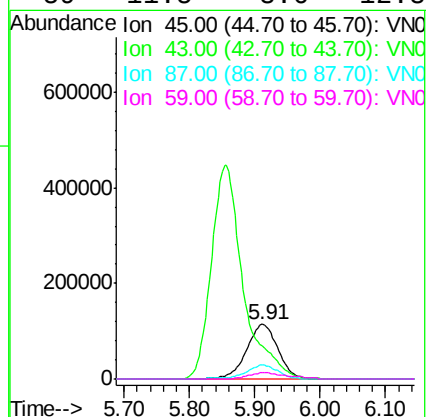
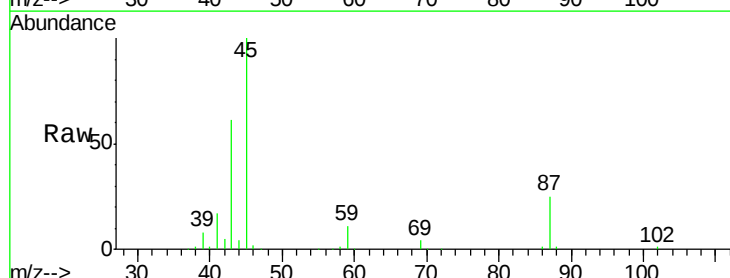
Ion Ratio Lower Upper

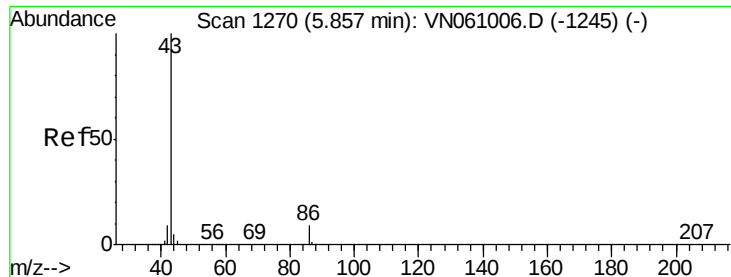
45 100

43 60.4 48.6 72.8

87 25.4 19.4 29.2

59 11.5 8.6 12.8





#23

Vinyl Acetate

Concen: 253.745 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion: 43 Resp: 1509511

Ion Ratio Lower Upper

43 100

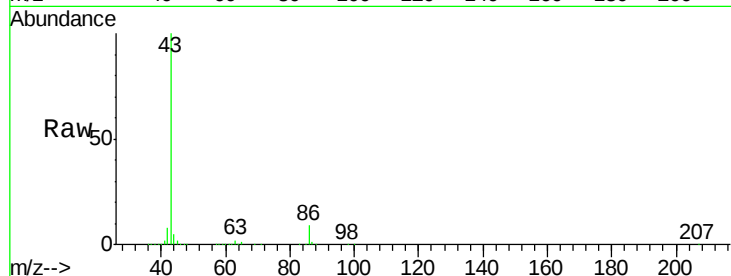
86 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

400000

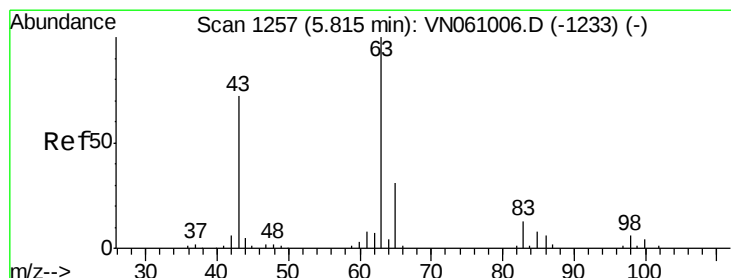
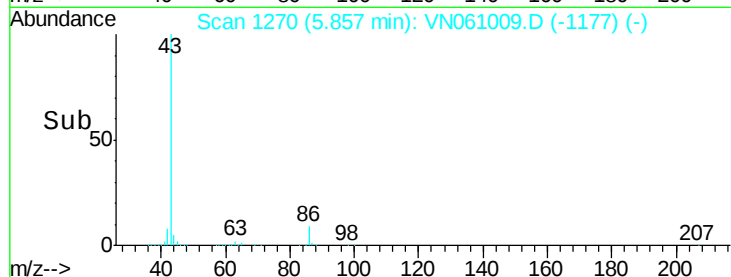
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.652 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

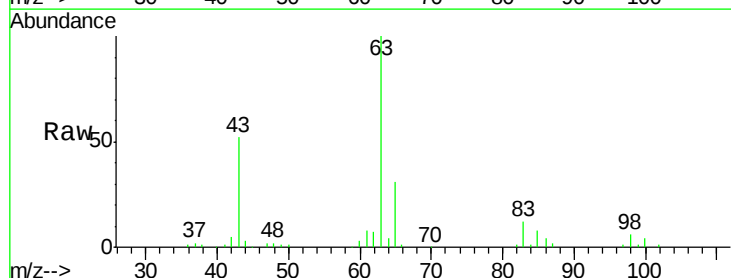
Tgt Ion: 63 Resp: 207538

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.81

80000

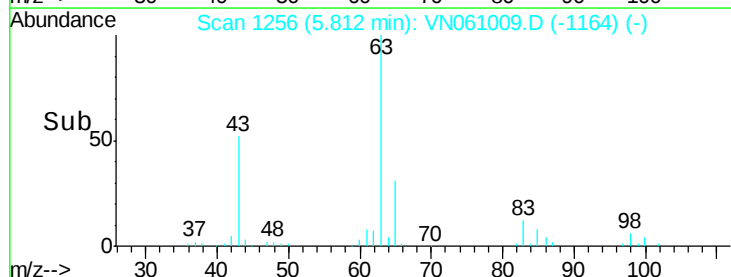
60000

40000

20000

0

Time-->





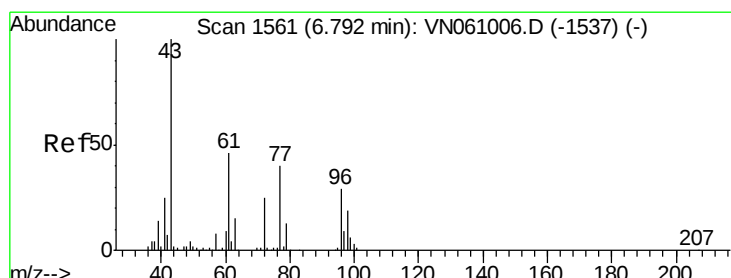
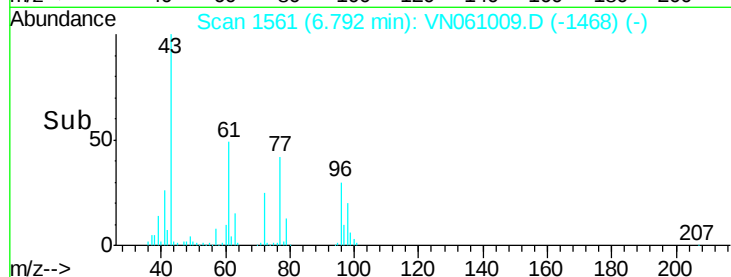
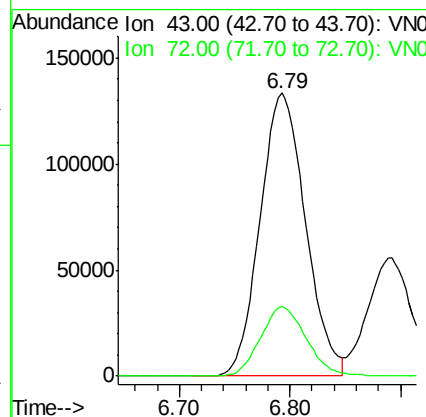
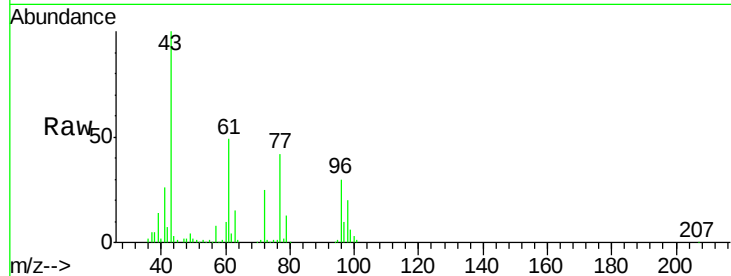
#25
2-Butanone
Concen: 250.263 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	43	Resp	380987
Ion Ratio	100	Lower	Upper
72	24.8	19.6	29.4

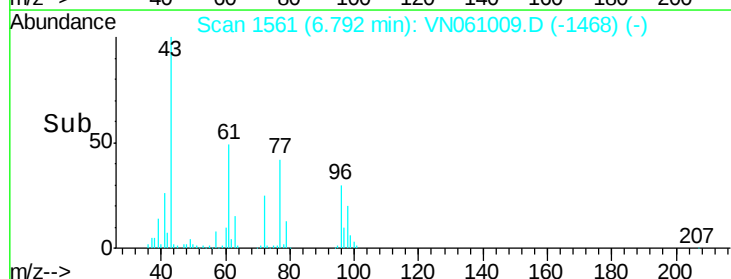
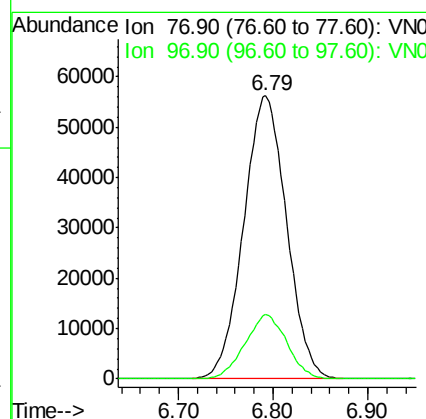
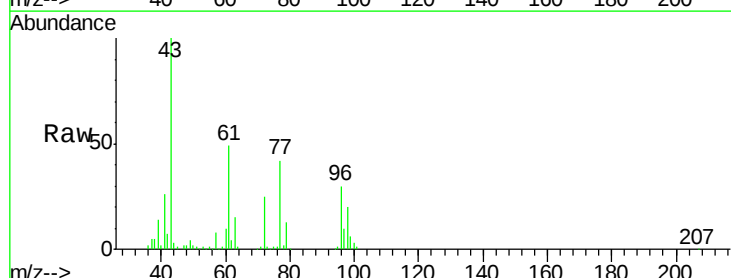
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4/17/2020 11:53:20 AM



#26
2,2-Dichloropropane
Concen: 51.869 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	77	Resp	176954
Ion Ratio	100	Lower	Upper
97	22.2	11.2	33.6





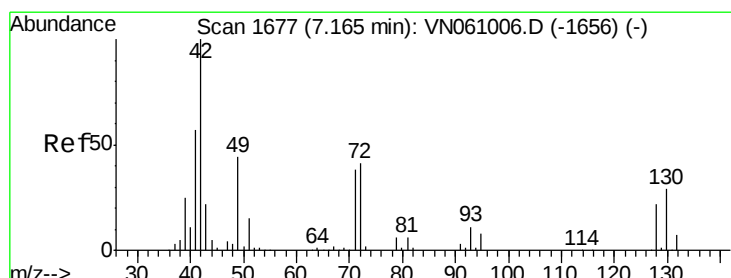
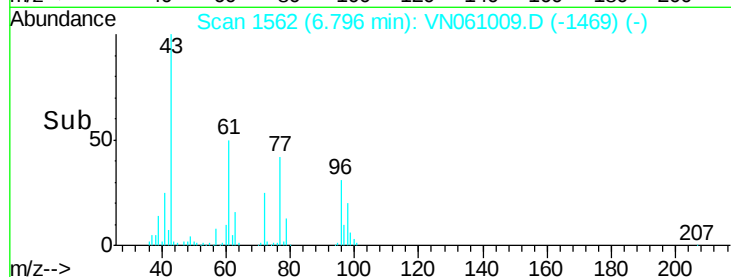
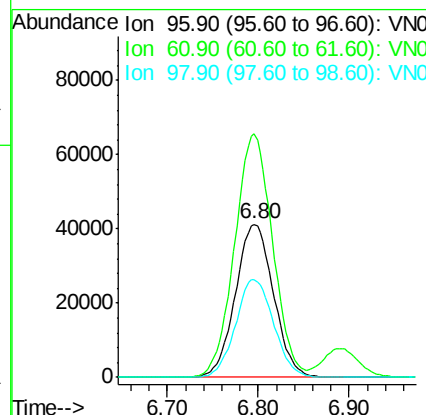
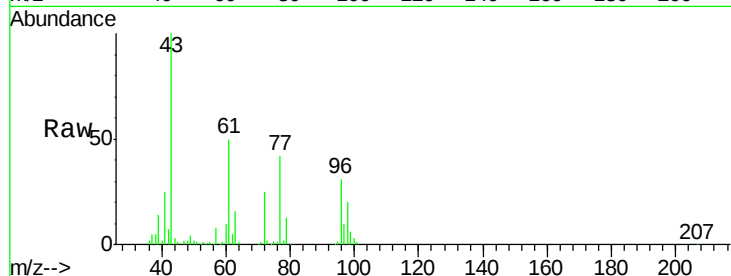
#27
 cis-1,2-Dichloroethene
 Concen: 50.507 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041620

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119729		
61	159.0		0.0	317.4
98	64.2		0.0	127.8

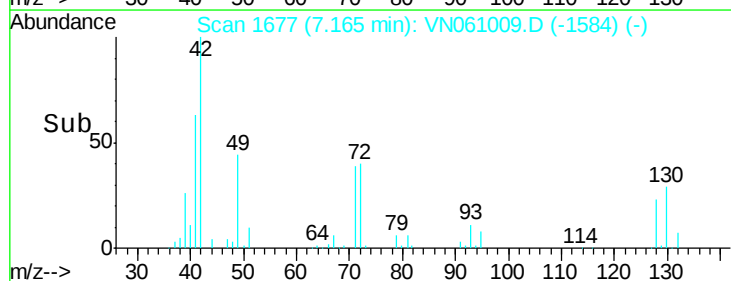
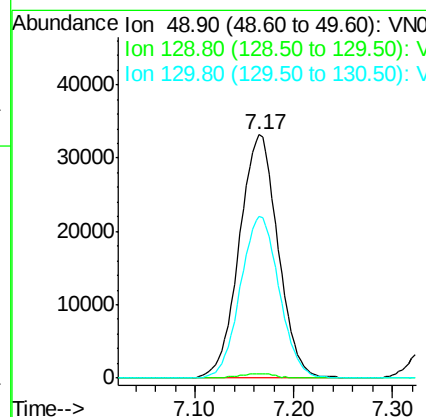
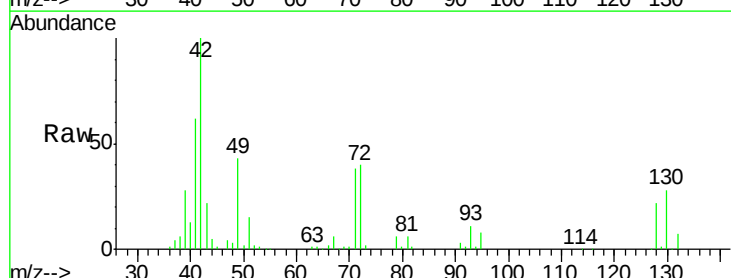
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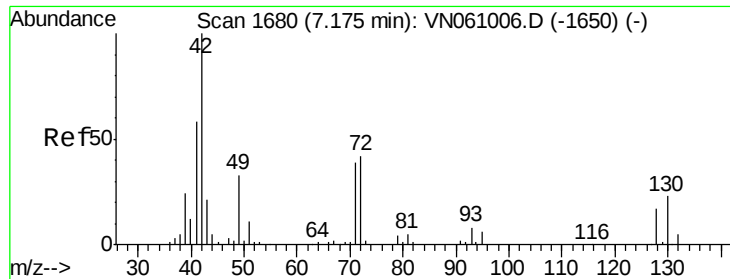
MMDadoda
 4/17/2020 11:53:20 AM



#28
 Bromochloromethane
 Concen: 48.016 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90306		
129	1.5		0.0	3.0
130	66.4		52.9	79.3





#29

Tetrahydrofuran

Concen: 241.458 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

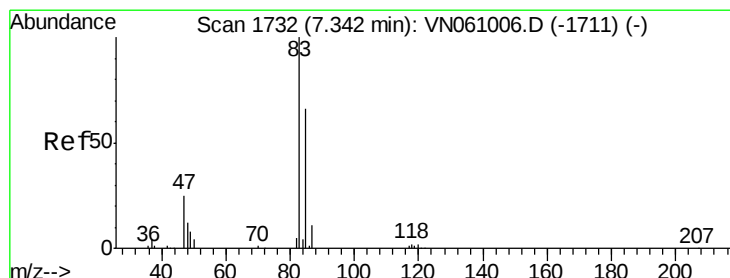
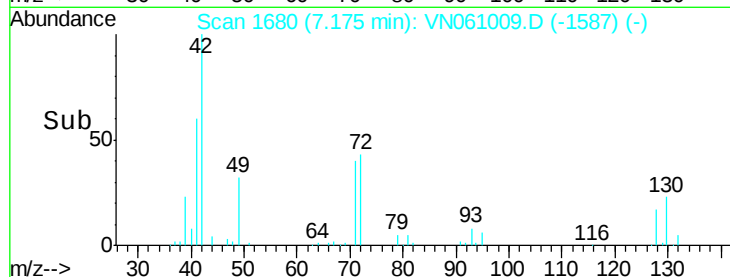
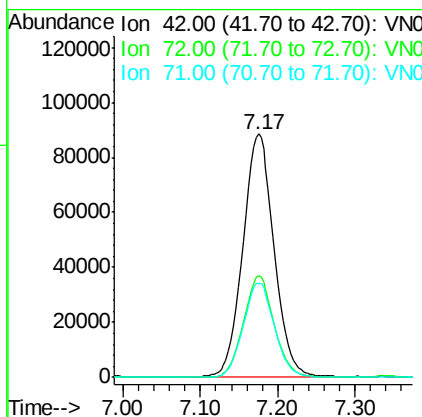
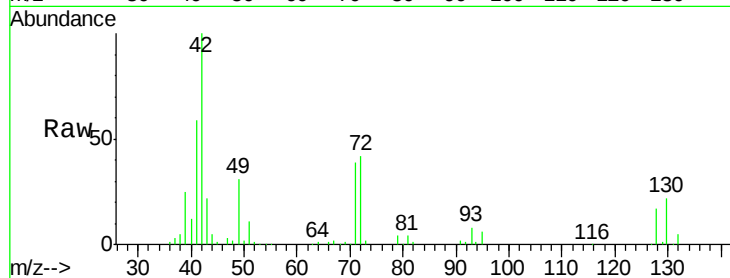
ClientSampleId :

ICVVN041620

Tot Ion:	42	Resp:	249548
Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.1	48.1
71	38.6	30.5	45.7

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#30

Chloroform

Concen: 50.791 ug/l

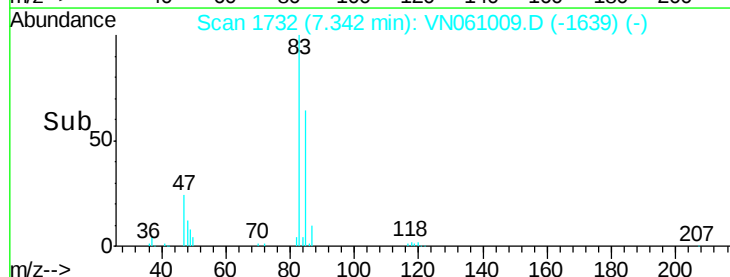
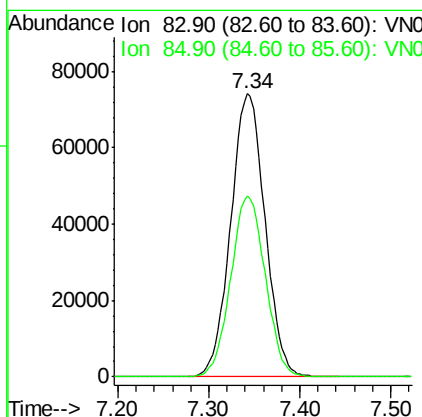
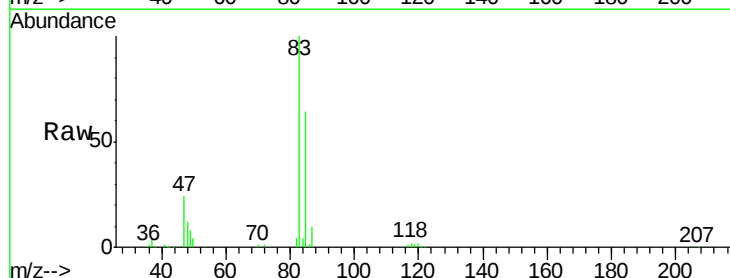
RT: 7.34 min Scan# 1732

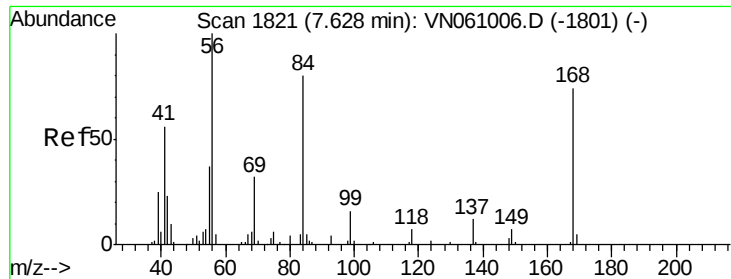
Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Tgt Ion:	83	Resp:	194107
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.8	79.2





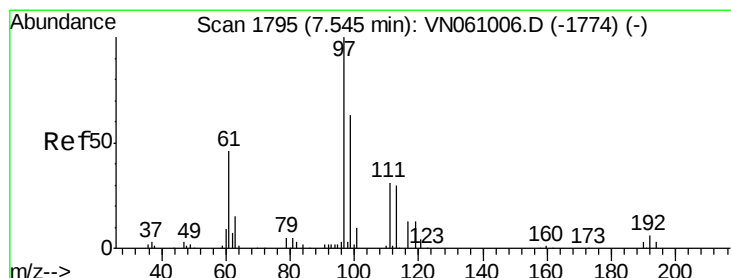
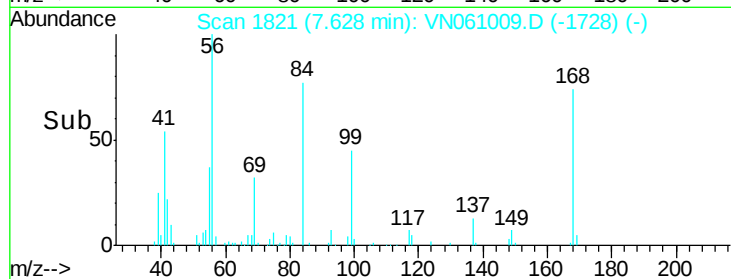
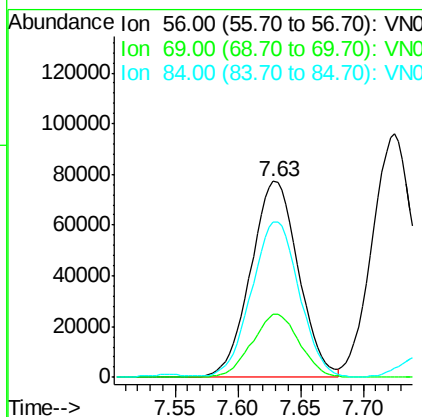
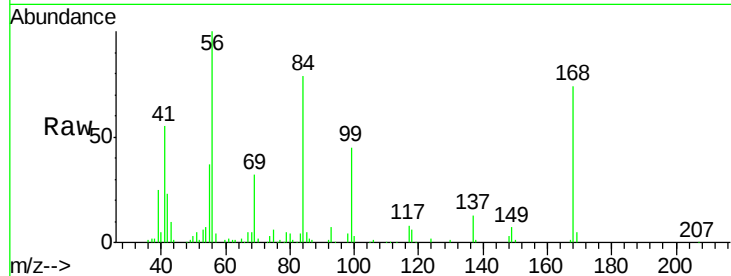
#31
Cyclohexane
Concen: 48.642 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.6	38.4
84	78.6	63.4	95.2

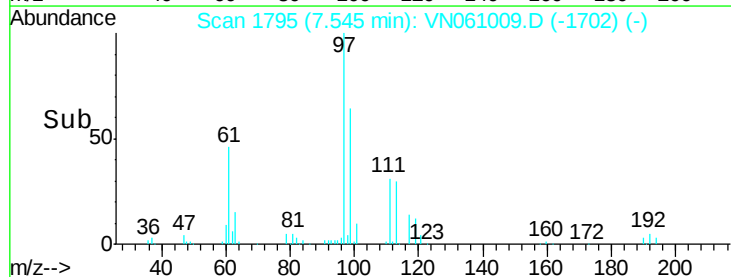
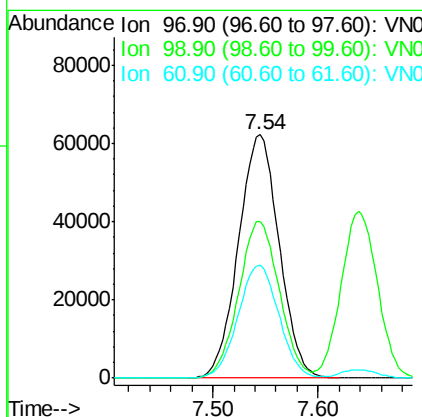
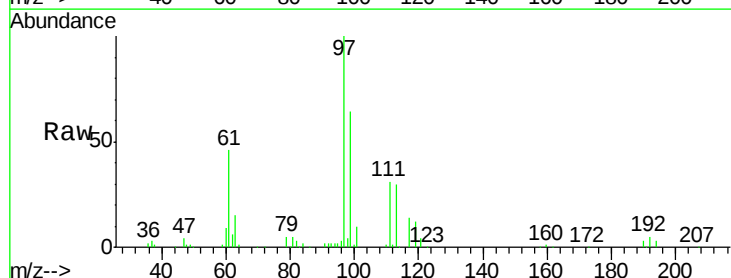
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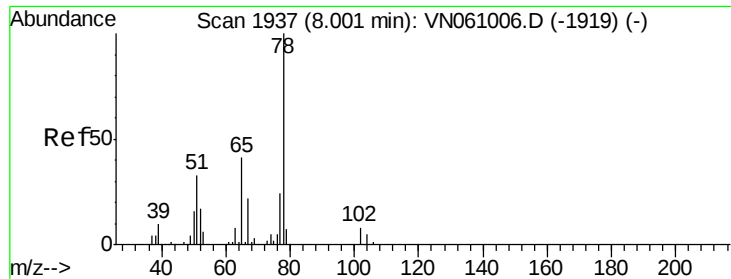
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#32
1,1,1-Trichloroethane
Concen: 50.529 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	46.5	37.0	55.6





#33

1,2-Dichloroethane-d4

Concen: 46.441 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion: 65 Resp: 104822

Ion Ratio Lower Upper

65 100

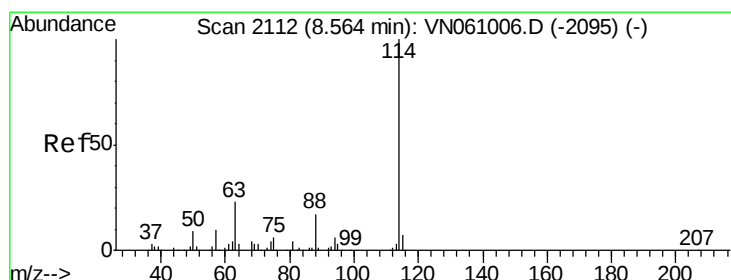
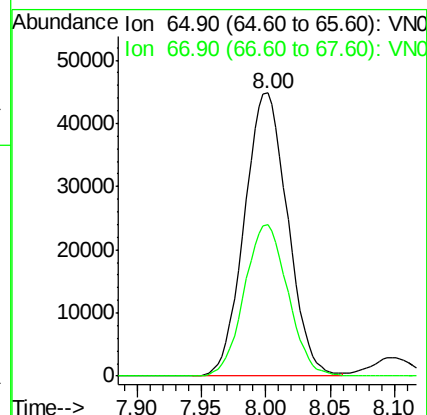
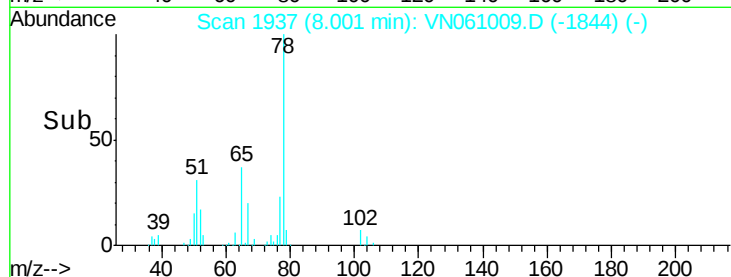
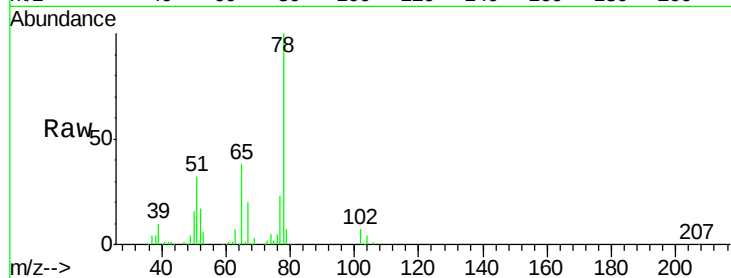
67 53.8 0.0 107.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

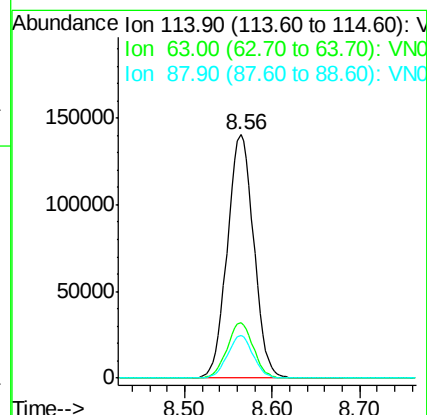
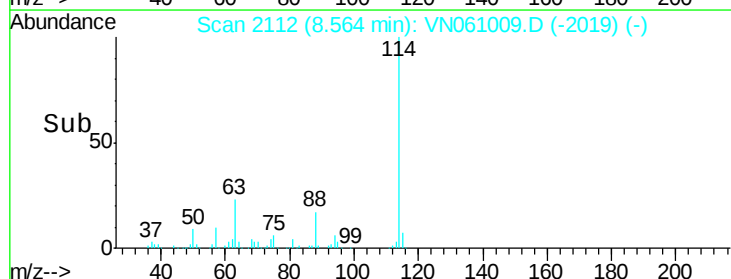
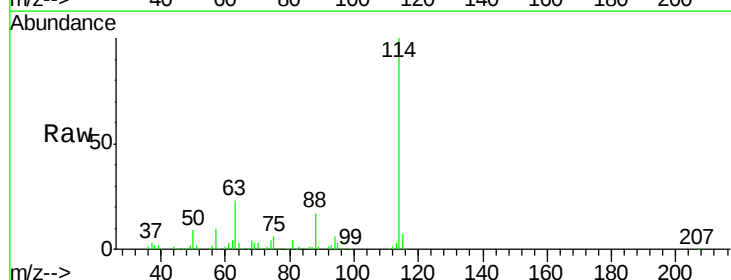
Tgt Ion: 114 Resp: 294465

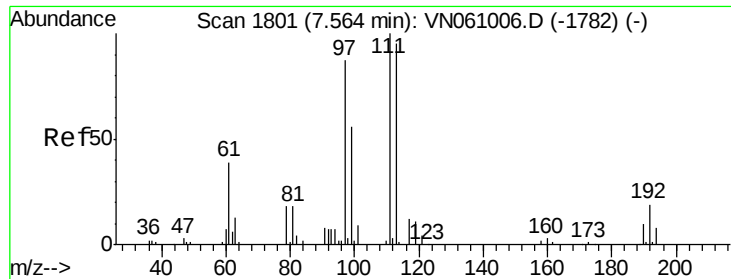
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

88 17.5 0.0 33.4





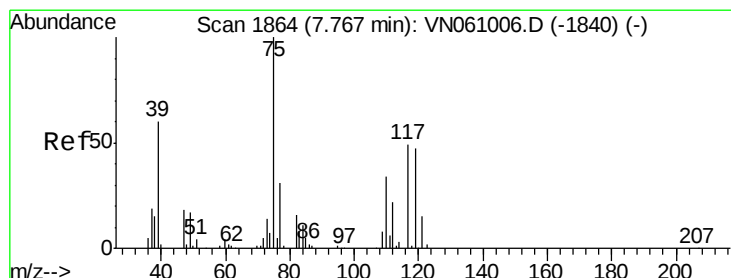
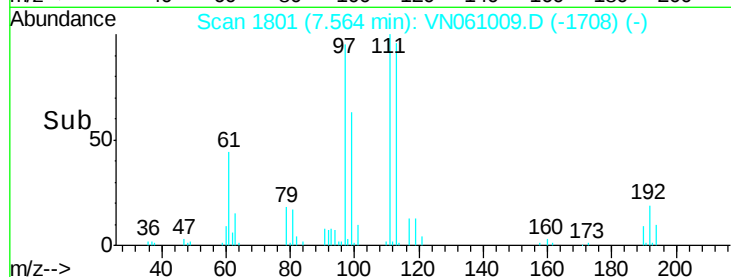
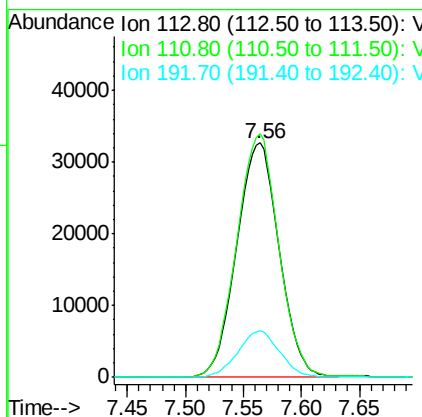
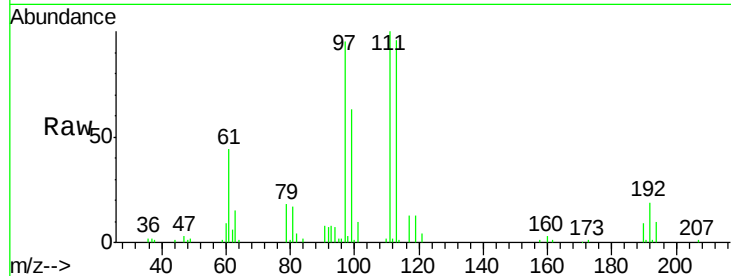
#35
Dibromofluoromethane
Concen: 48.359 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Resp	Lower	Upper
113	100	83160		
111	102.9	83.4	125.2	
192	19.5	15.5	23.3	

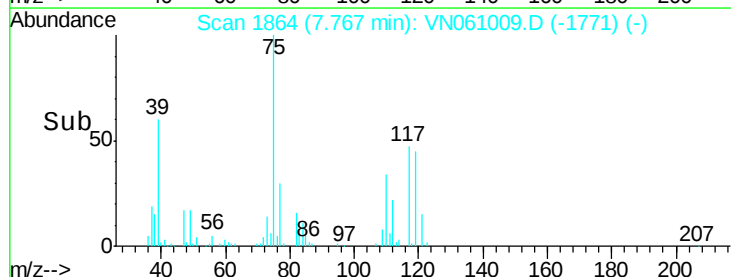
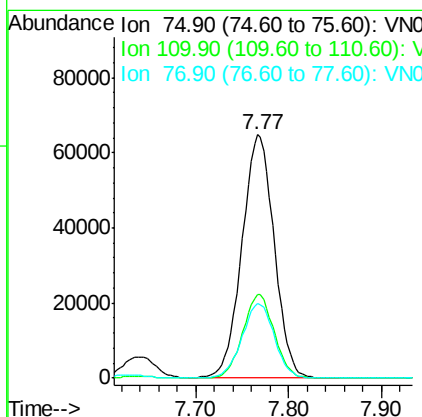
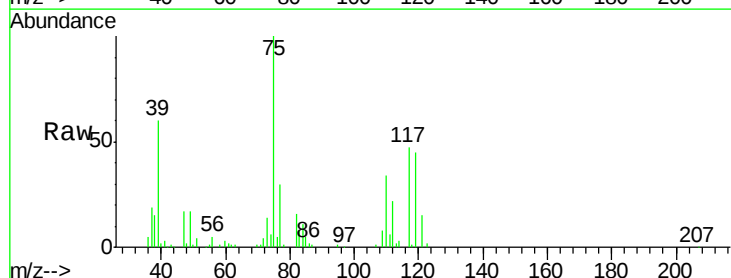
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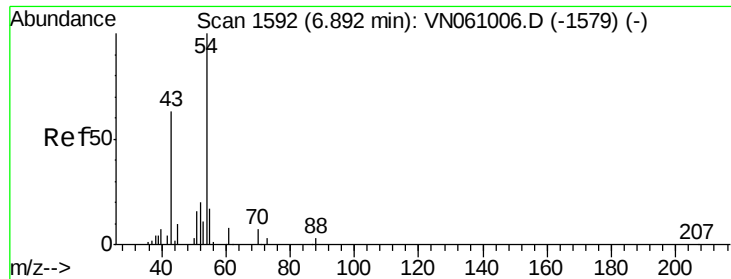
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#36
1,1-Dichloropropene
Concen: 51.445 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	156321		
110	33.3	16.8	50.3	
77	30.7	24.7	37.1	





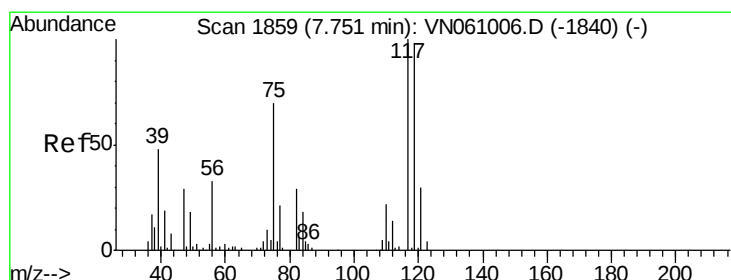
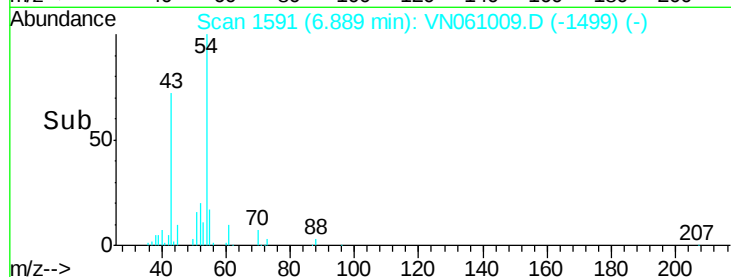
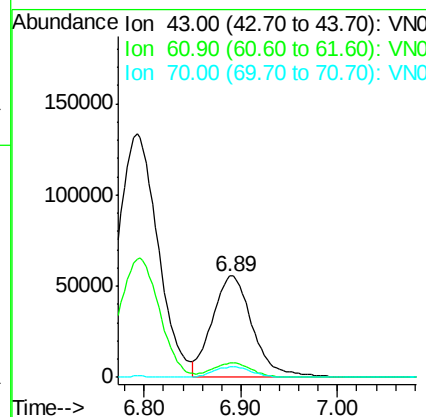
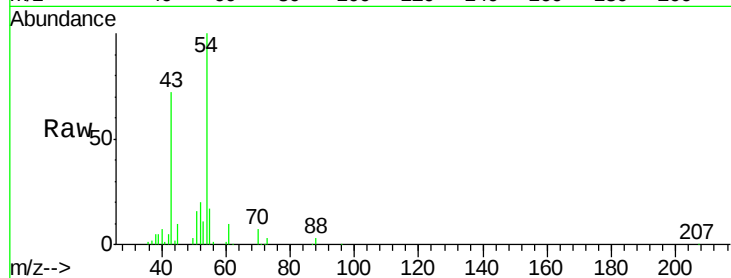
#37
Ethyl Acetate
Concen: 48.094 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	10.0	7.7	11.5

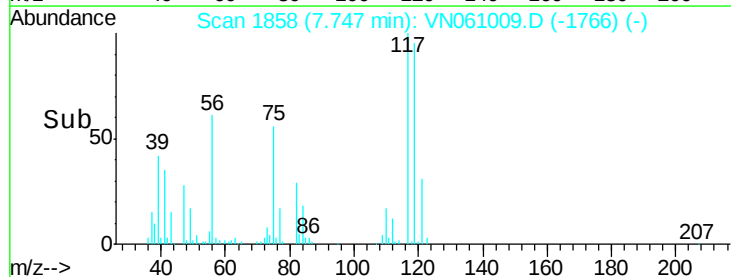
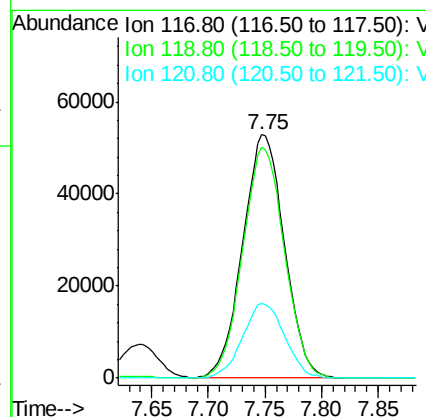
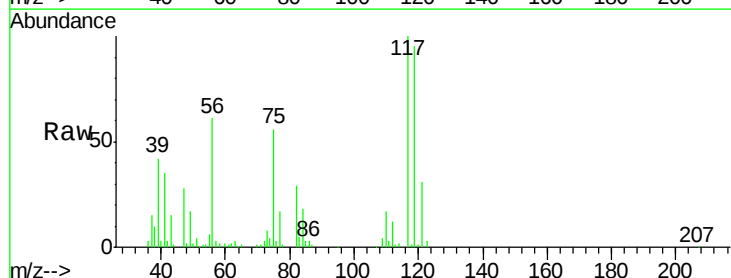
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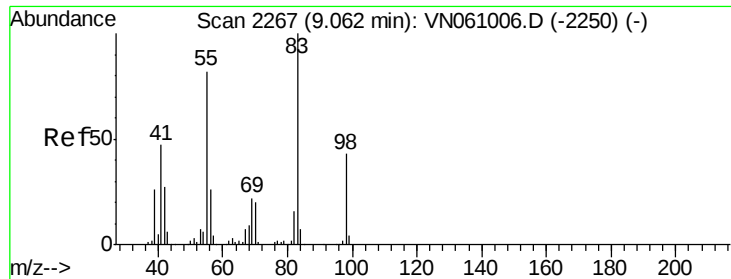
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#38
Carbon Tetrachloride
Concen: 53.647 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.1	117.1
121	30.7	24.0	36.0





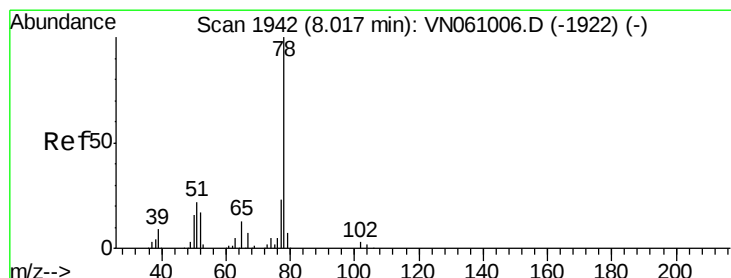
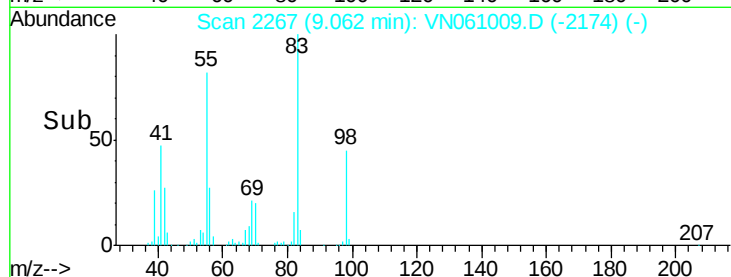
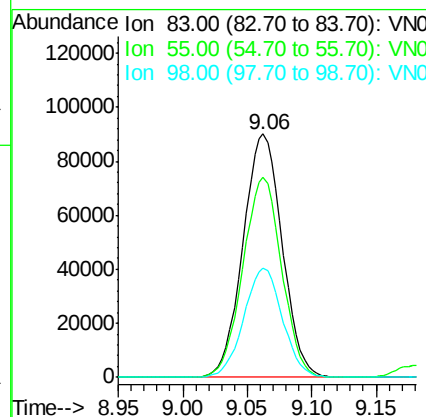
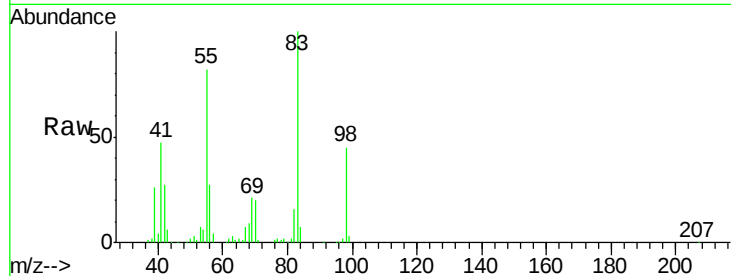
#39
Methvlcvclohexane
Concen: 52.468 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.4	65.4	98.0	
98	44.7	34.6	51.8	

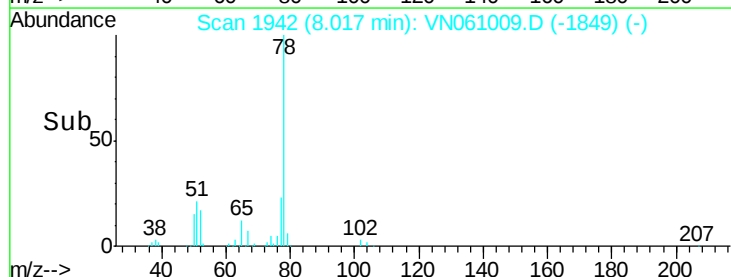
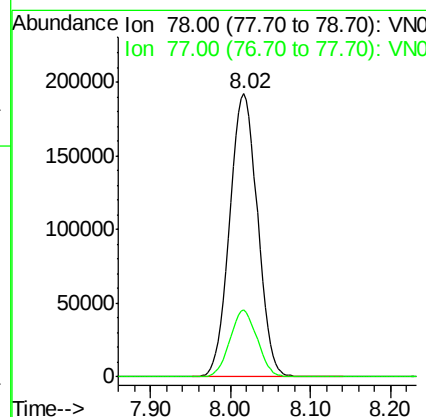
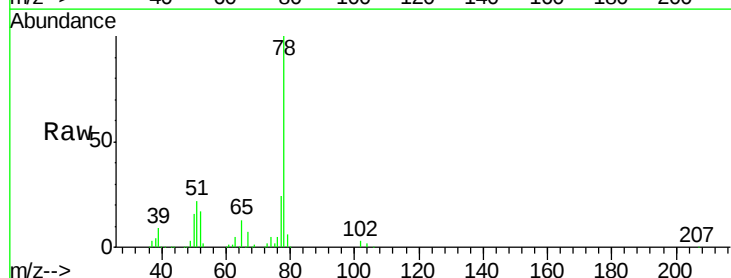
Manual Integrations
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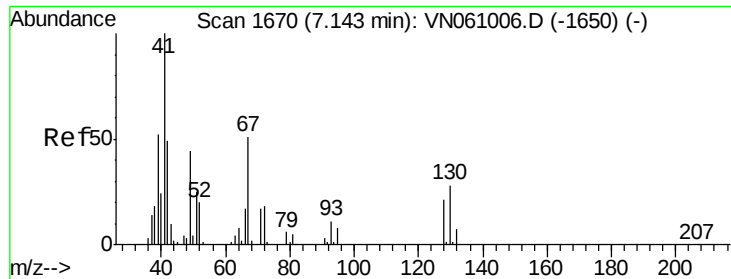
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#40
Benzene
Concen: 50.677 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.8	28.2	





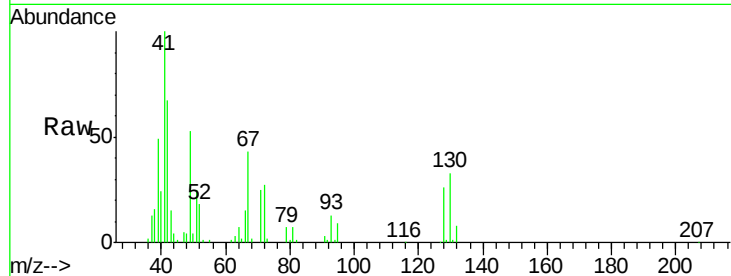
#41
Methacrylonitrile
Concen: 56.714 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

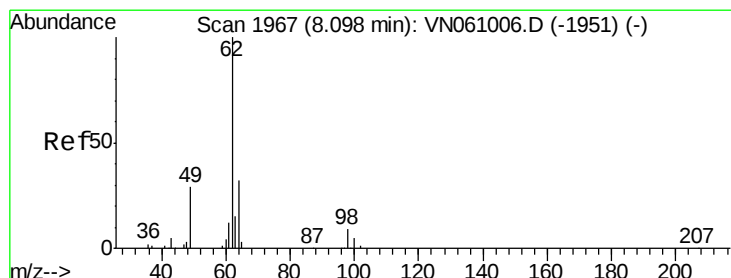
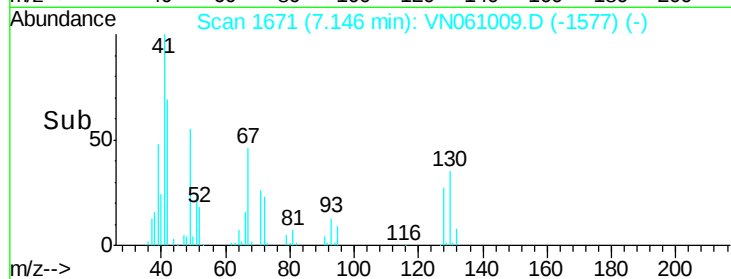
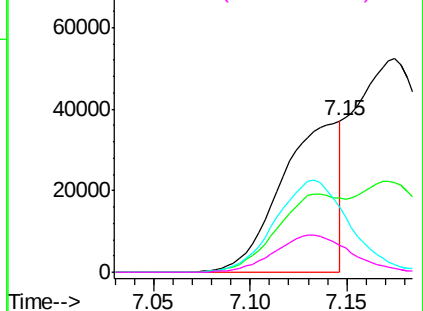
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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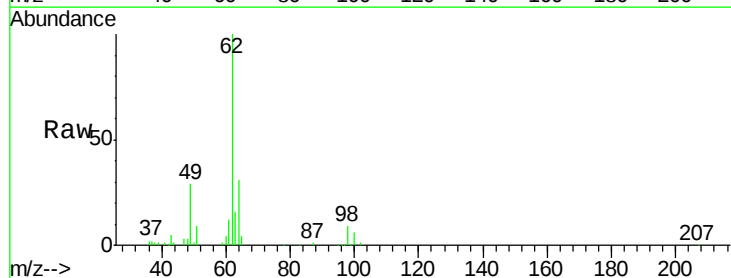


Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-1650) (-)
Ion 39.00 (38.70 to 39.70): VN061006.D (-1650) (-)
Ion 67.00 (66.70 to 67.70): VN061006.D (-1650) (-)
Ion 52.00 (51.70 to 52.70): VN061006.D (-1650) (-)

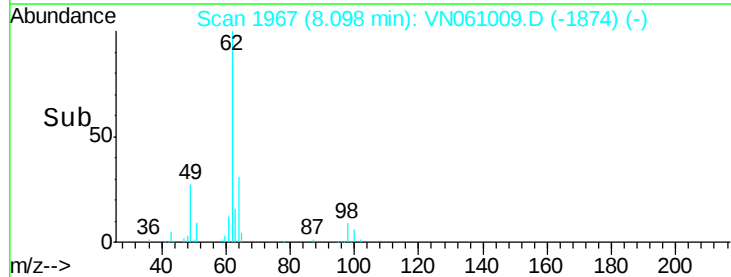
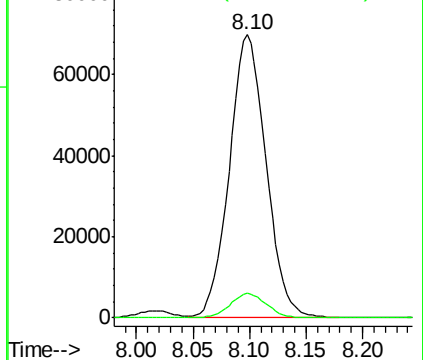


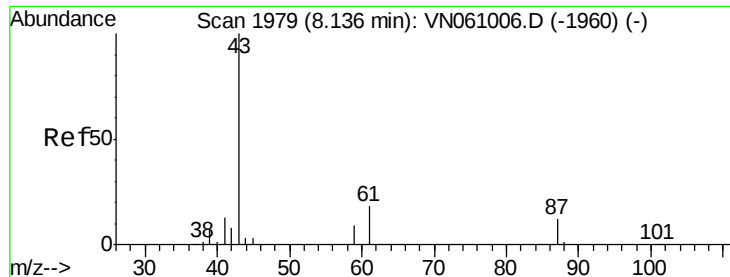
#42
1,2-Dichloroethane
Concen: 51.406 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN061009.D (-1874) (-)
Ion 97.90 (97.60 to 98.60): VN061009.D (-1874) (-)





#43

Isopropyl Acetate

Concen: 50.425 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

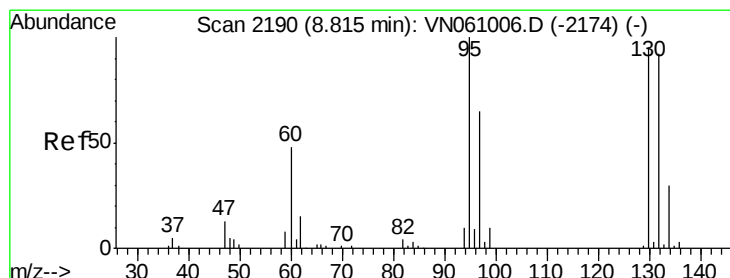
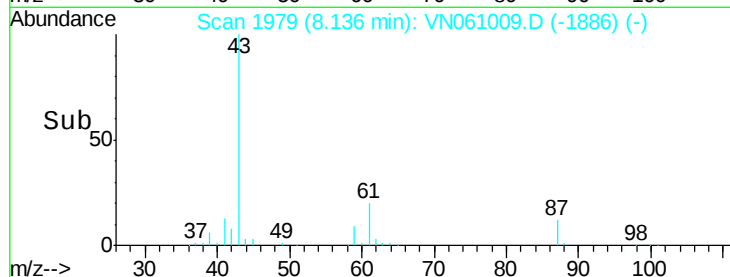
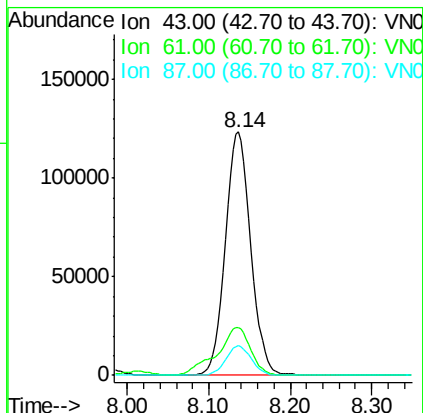
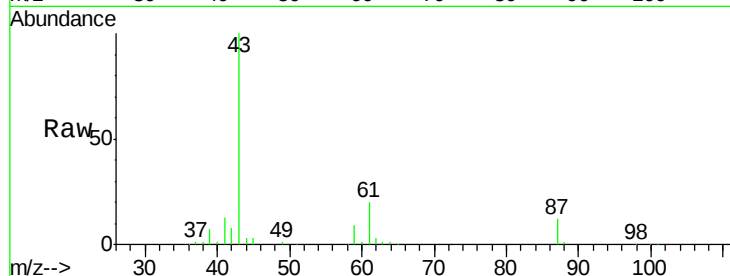
ClientSampleId :

ICVVN041620

Tot Ion:	43	Resp:	270588
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.3	30.5
87	12.1	9.4	14.2

Manual Integrations
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MMDadoda
4/17/2020 11:53:20 AM



#44

Trichloroethene

Concen: 50.445 ug/l

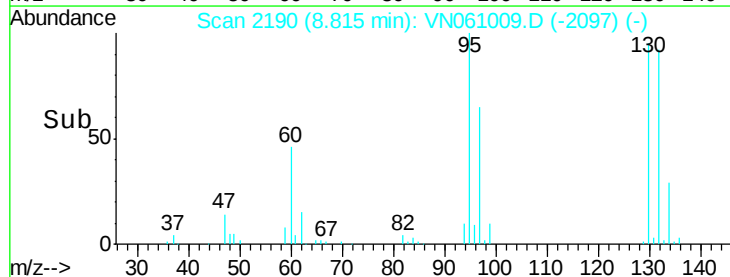
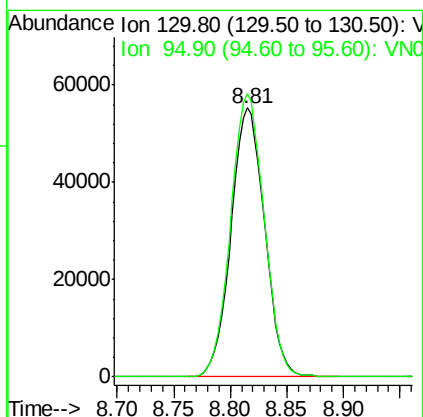
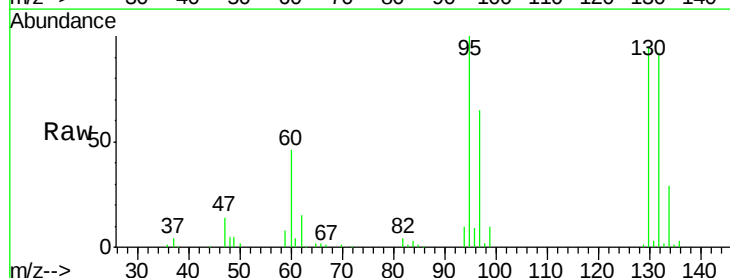
RT: 8.81 min Scan# 2190

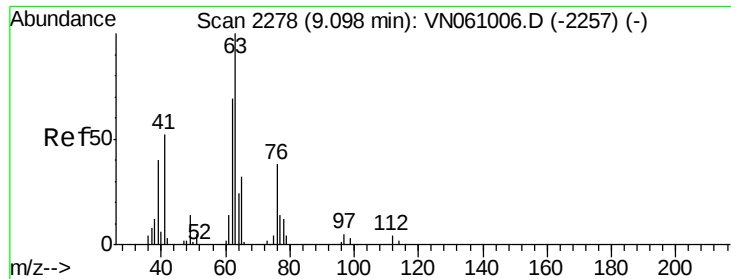
Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Tgt Ion:	130	Resp:	114264
Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	210.0





#45

1,2-Dichloropropane

Concen: 50.804 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion: 63 Resp: 123699

Ion Ratio Lower Upper

63 100

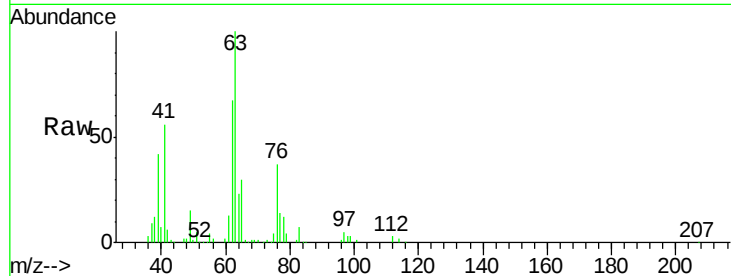
65 30.5 25.2 37.8

Manual Integrations

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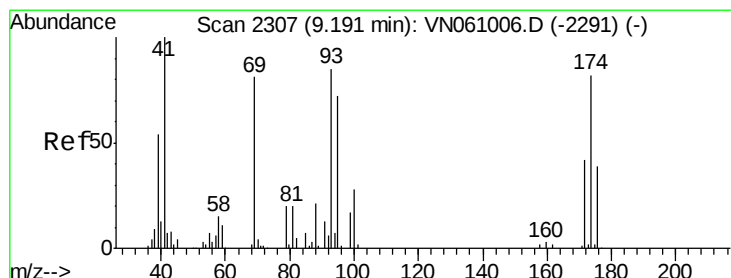
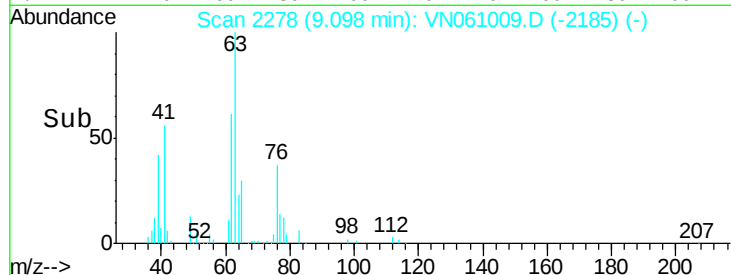
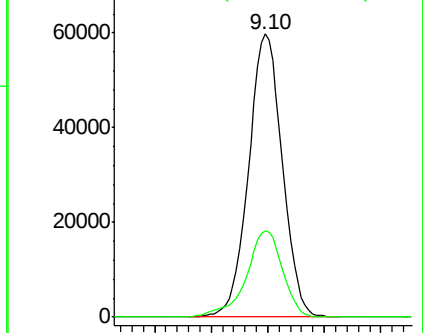
MMDadoda

4/17/2020 11:53:20 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 53.020 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

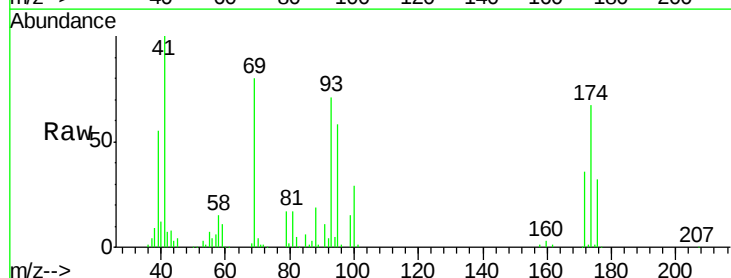
Tgt Ion: 93 Resp: 74431

Ion Ratio Lower Upper

93 100

95 82.2 66.8 100.2

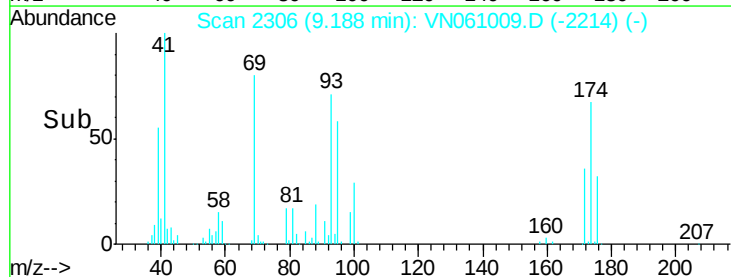
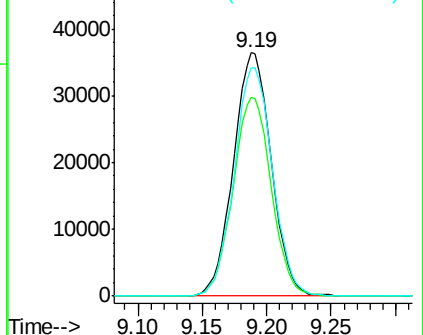
174 94.7 76.2 114.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





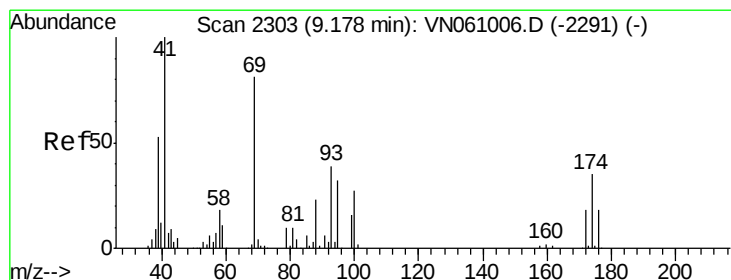
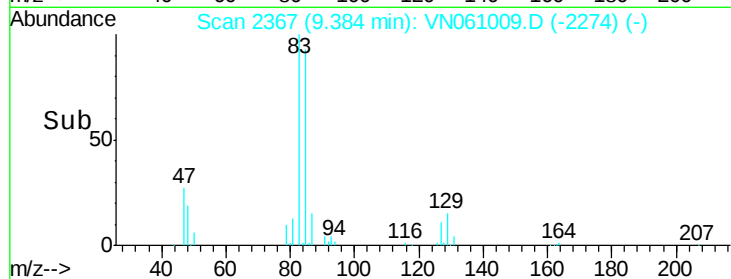
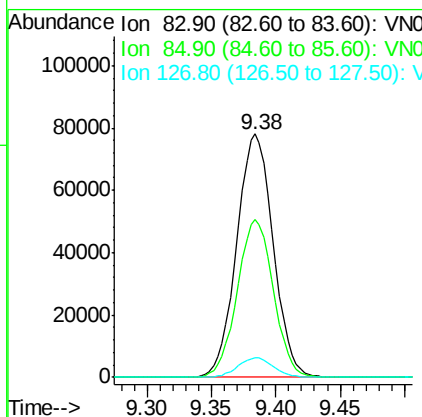
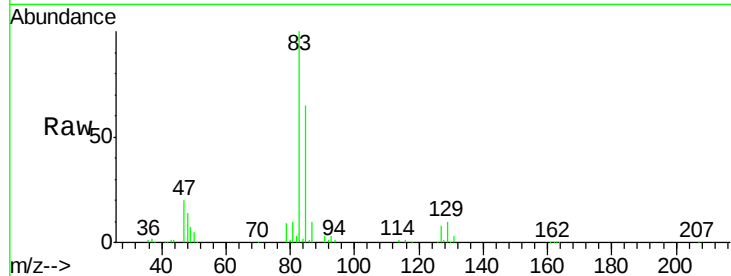
#47
Bromodichloromethane
Concen: 51.824 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Resp	Lower	Upper
83	100	153691		
85	64.8	50.6	76.0	
127	8.0	6.1	9.1	

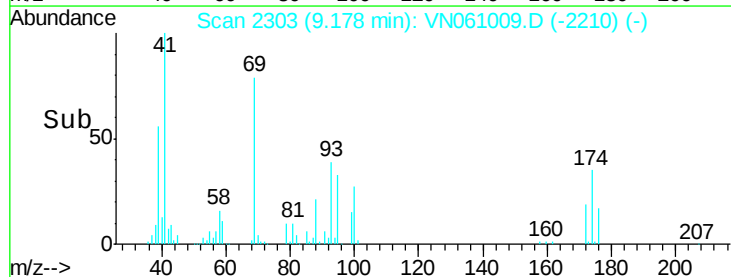
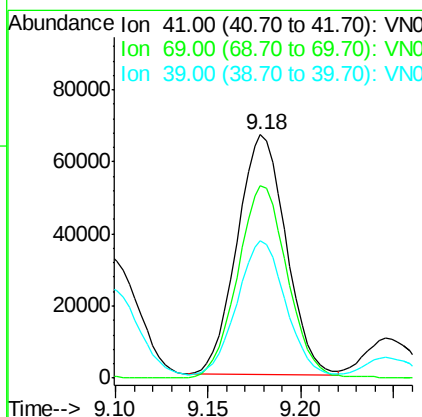
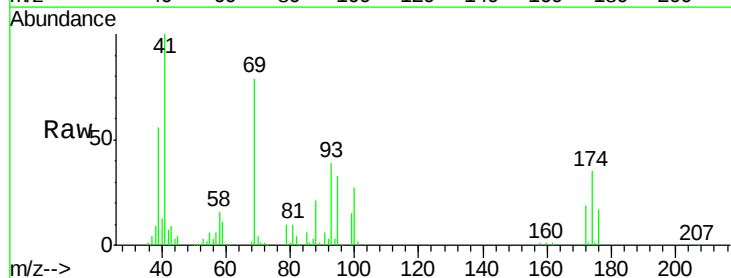
Manual Integrations
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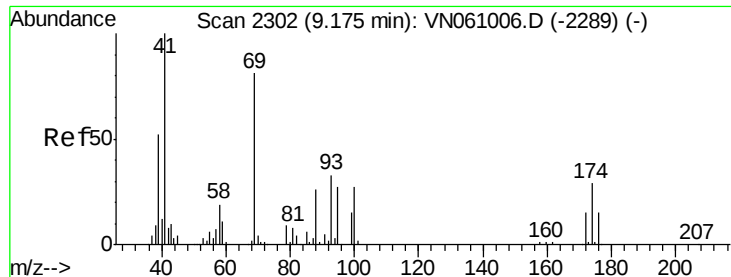
MMDadoda
4/17/2020 11:53:20 AM



#48
Methyl methacrylate
Concen: 51.767 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	122761		
69	81.6	65.3	97.9	
39	54.8	45.2	67.8	





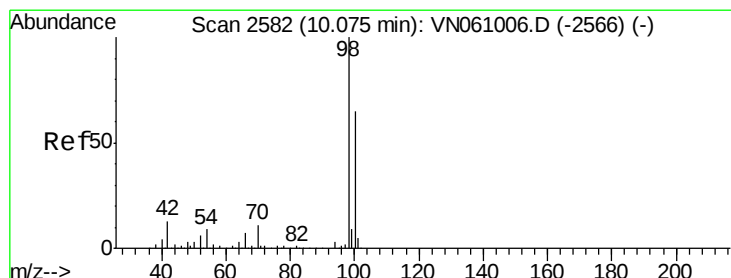
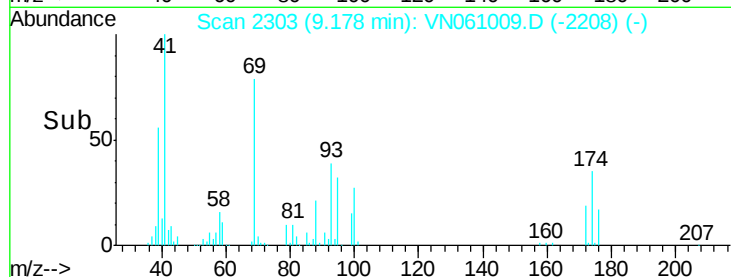
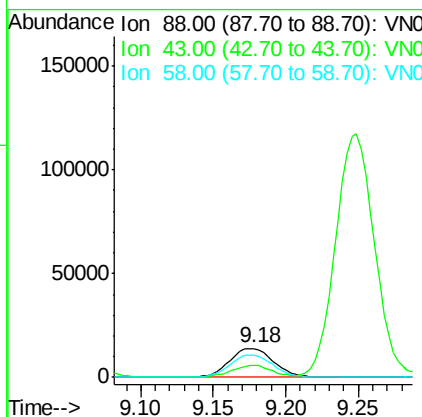
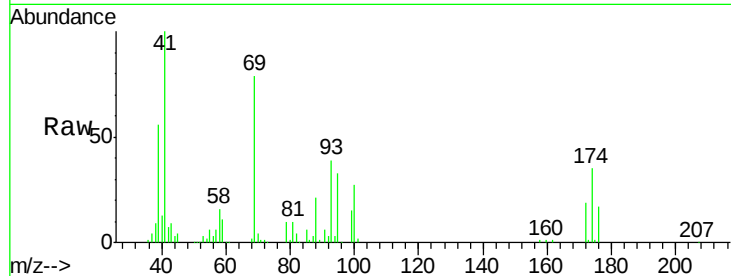
#49
1,4-Dioxane
Concen: 894.793 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.9	46.3
58	76.2	59.8	89.8

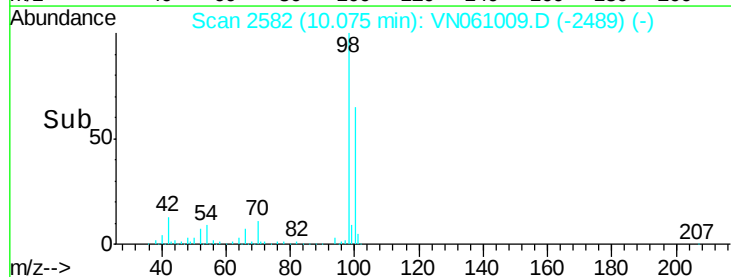
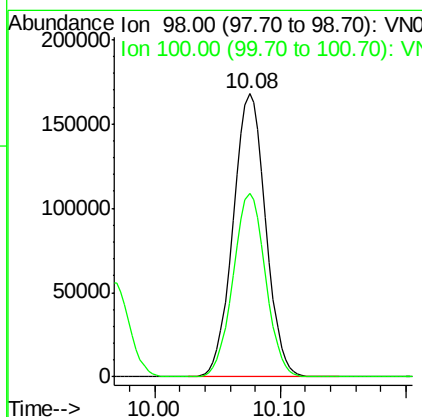
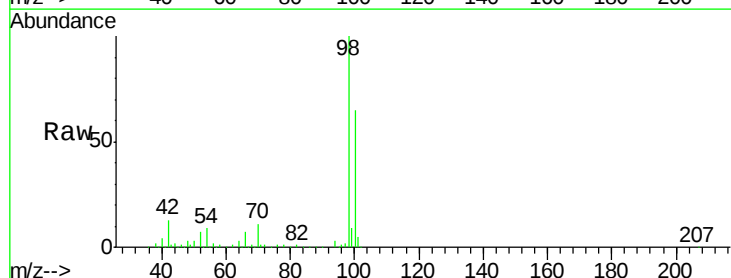
Manual Integrations
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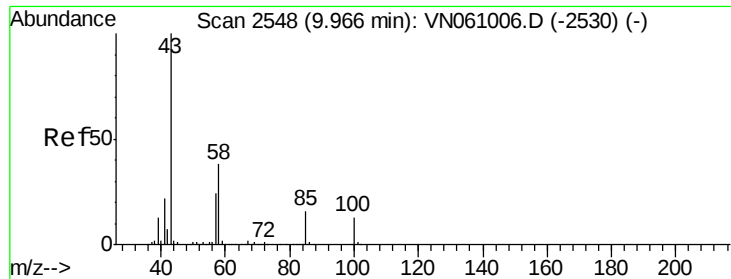
MMDadoda
4/17/2020 11:53:20 AM



#50
Toluene-d8
Concen: 46.450 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 253.695 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion: 43 Resp: 784781

Ion Ratio Lower Upper

43 100

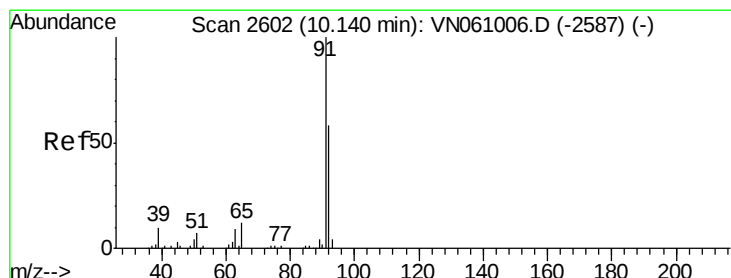
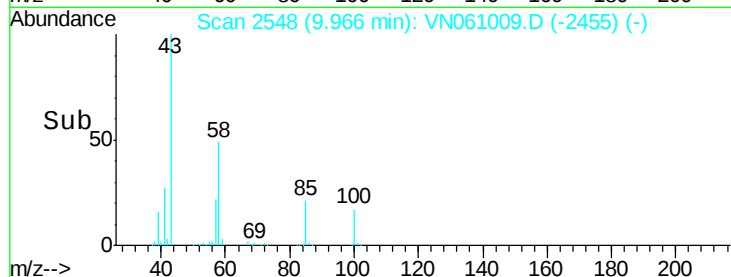
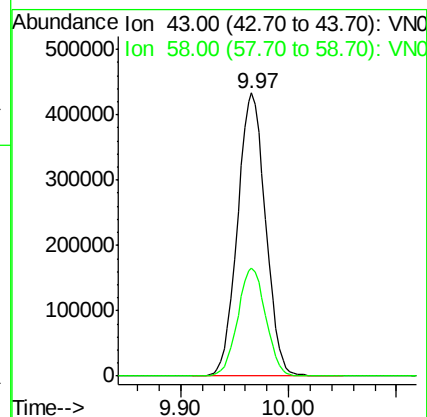
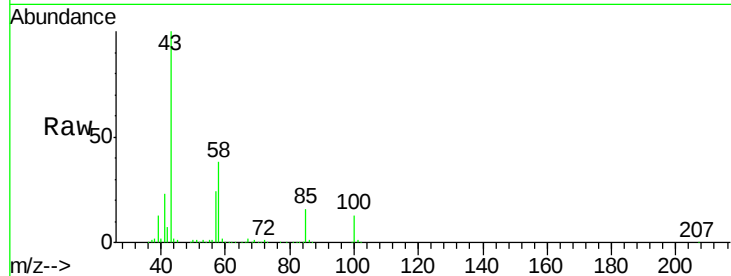
58 38.1 30.3 45.5

Manual Integrations

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MMDadoda

4/17/2020 11:53:20 AM



#52

Toluene

Concen: 51.023 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN061009.D

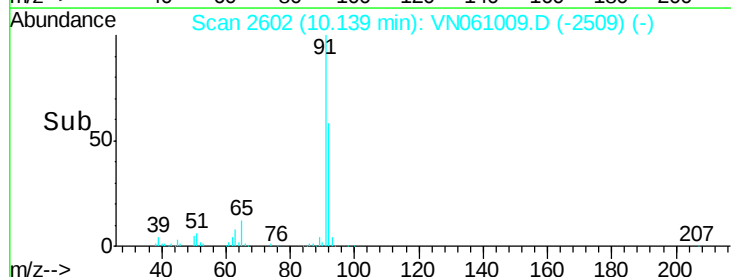
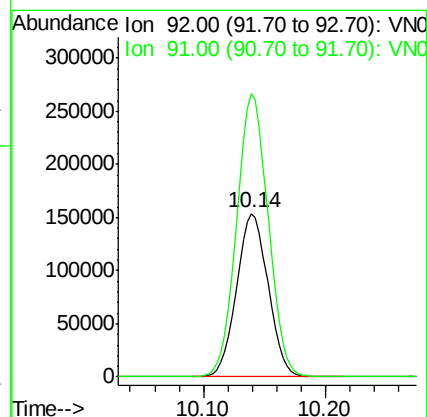
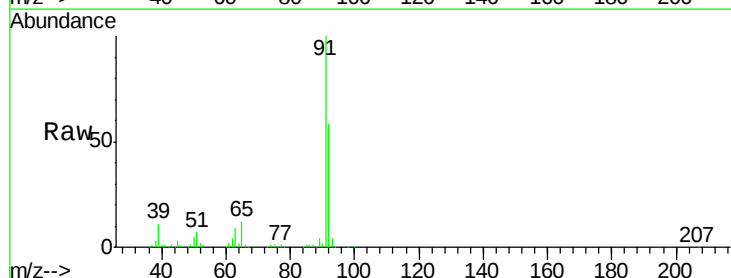
Acq: 16 Apr 2020 14:00

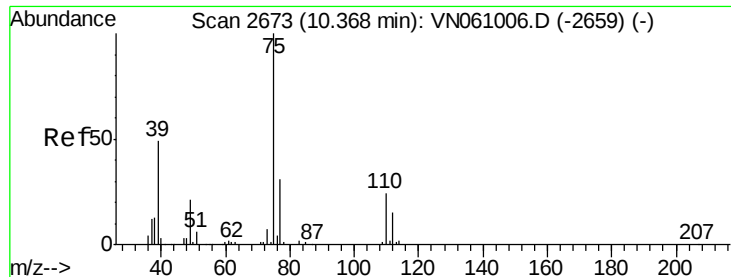
Tgt Ion: 92 Resp: 275931

Ion Ratio Lower Upper

92 100

91 173.2 137.7 206.5





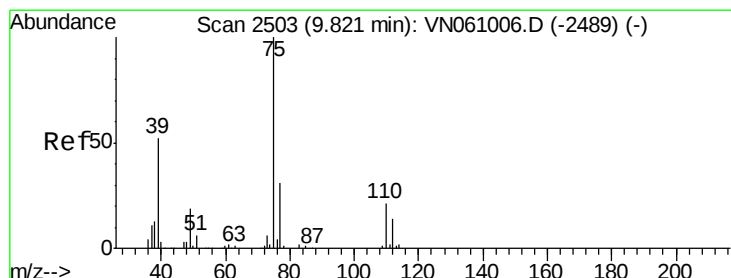
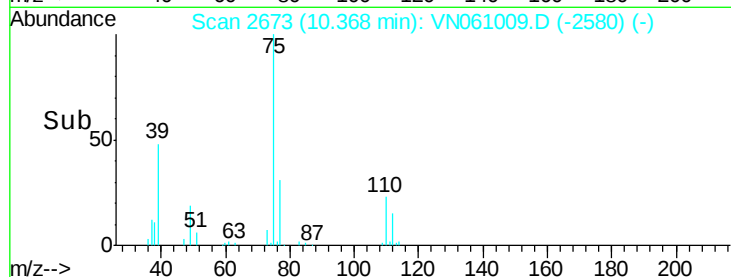
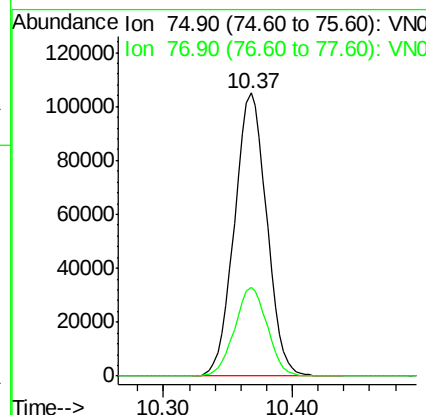
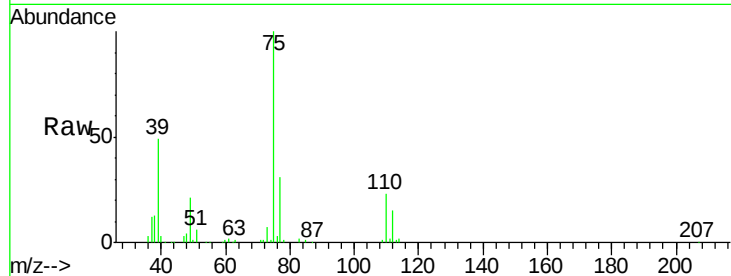
#53
t-1,3-Dichloropropene
Concen: 52.923 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampled :
ICVVO41620

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

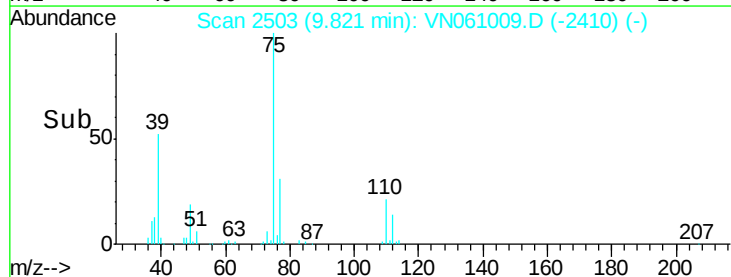
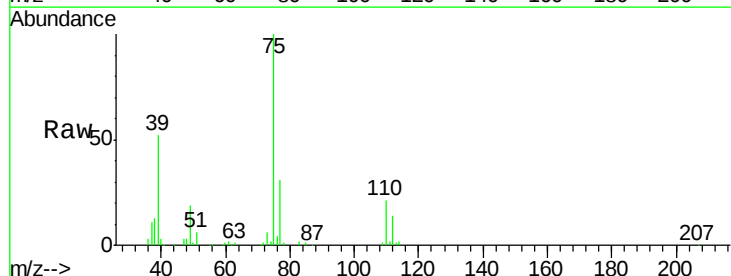
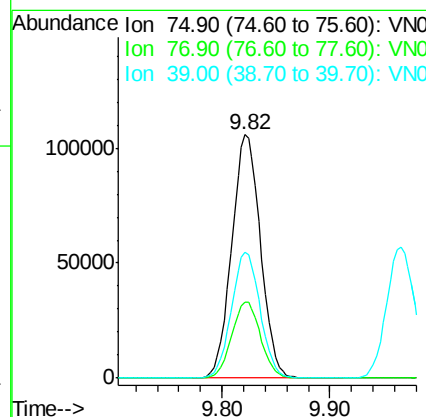
Manual Integrations
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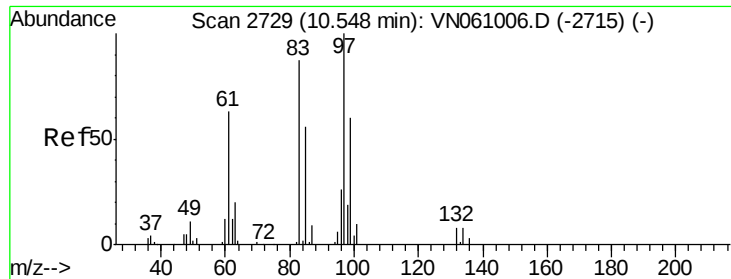
MMDadoda
4/17/2020 11:53:20 AM



#54
cis-1,3-Dichloropropene
Concen: 52.248 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6
39	51.7	41.4	62.2





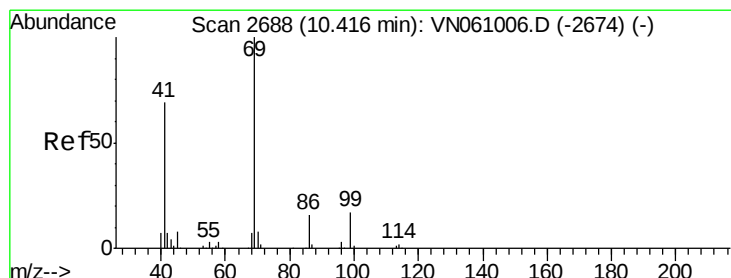
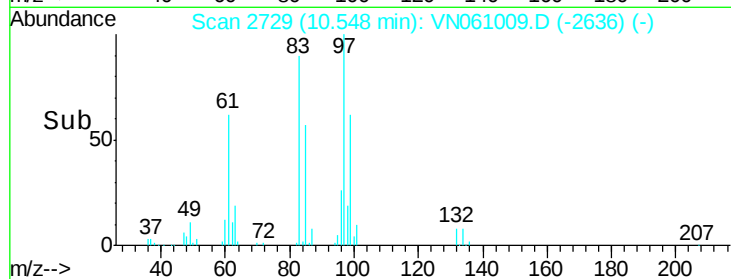
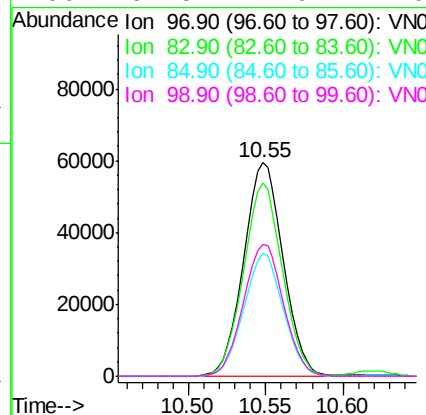
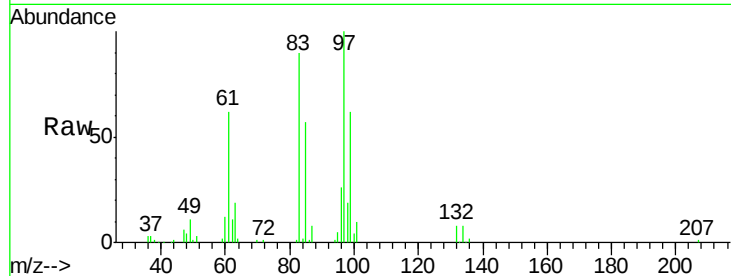
#55
 1,1,2-Trichloroethane
 Concen: 51.607 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041620

Tot Ion:	97	Resp:	105617
Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.5	104.3
85	57.3	45.0	67.4
99	61.8	47.9	71.9

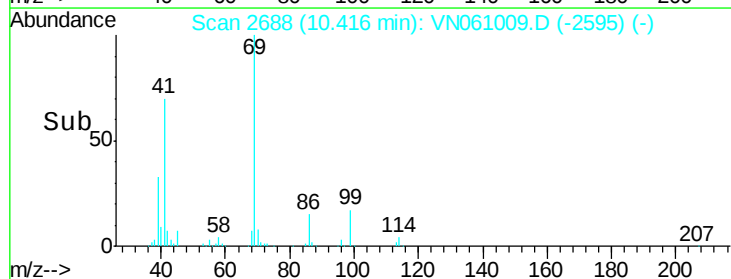
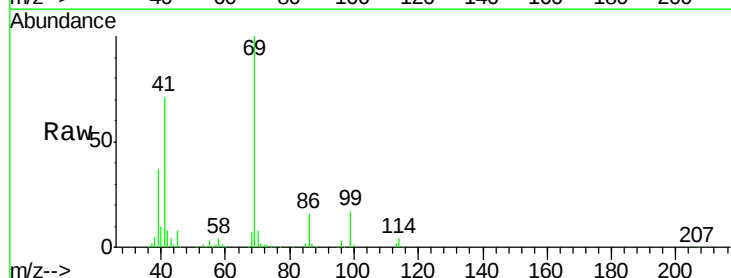
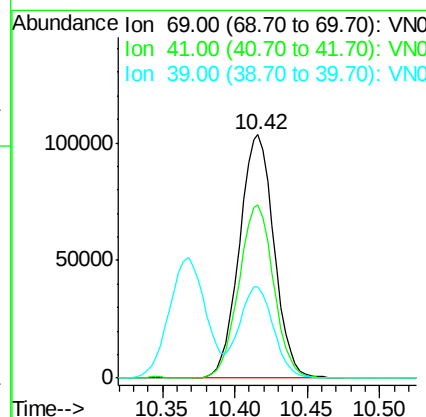
Manual Integrations
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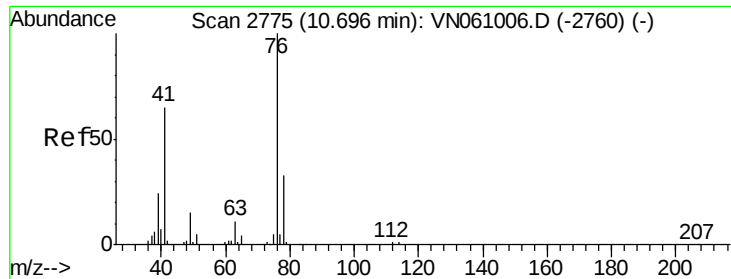
MMDadoda
 4/17/2020 11:53:20 AM



#56
 Ethyl methacrylate
 Concen: 53.351 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Tgt Ion:	69	Resp:	171693
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.7	85.1
39	36.5	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.676 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampled :

ICVVN041620

Tot Ion: 76 Resp: 184991

Ion Ratio Lower Upper

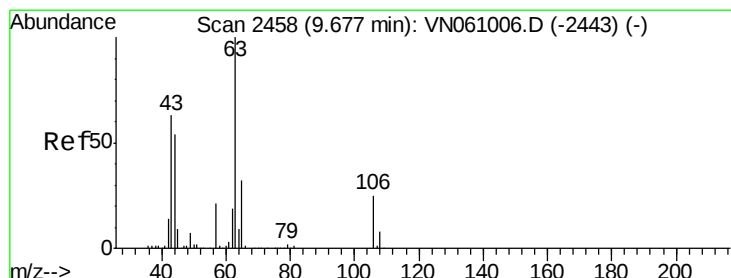
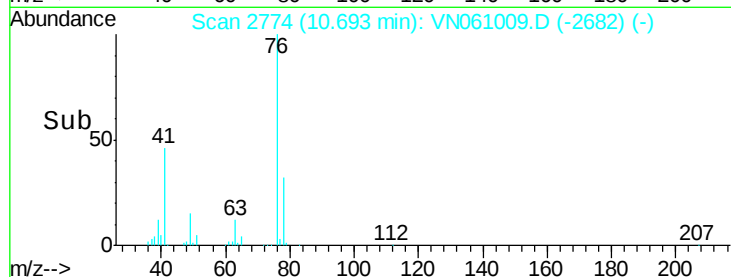
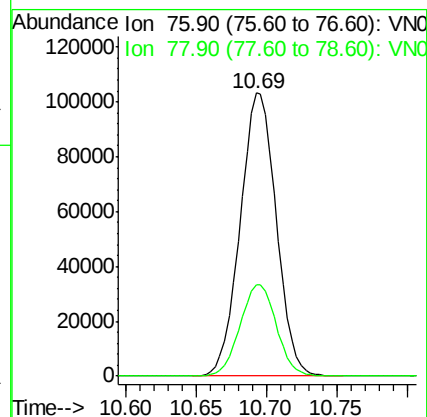
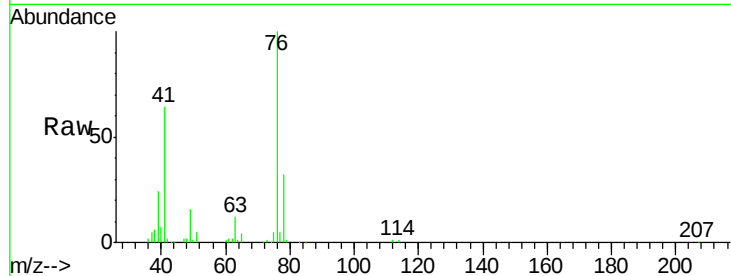
76 100

78 32.5 25.4 38.0

Manual Integrations
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MMDadoda

4/17/2020 11:53:20 AM



#58

2-Chloroethyl Vinyl ether

Concen: 254.850 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN061009.D

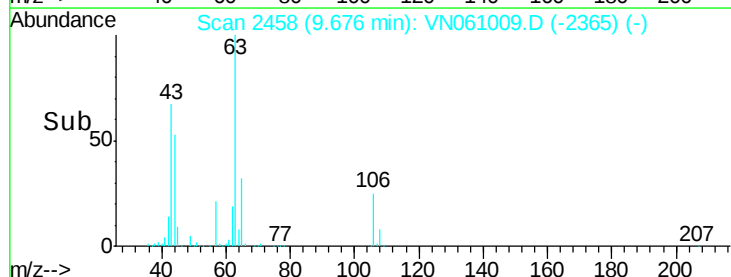
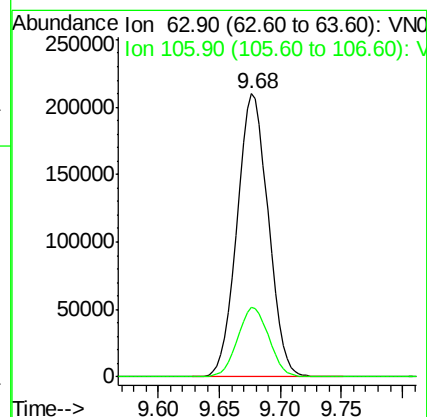
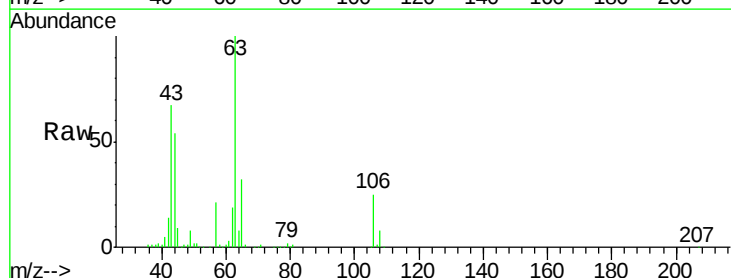
Acq: 16 Apr 2020 14:00

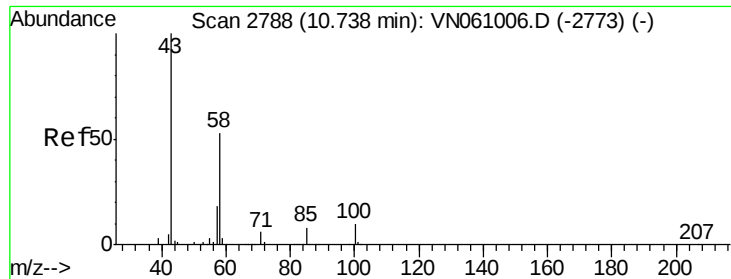
Tgt Ion: 63 Resp: 372674

Ion Ratio Lower Upper

63 100

106 24.6 19.5 29.3





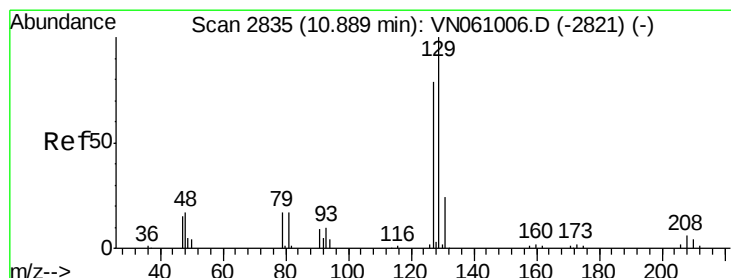
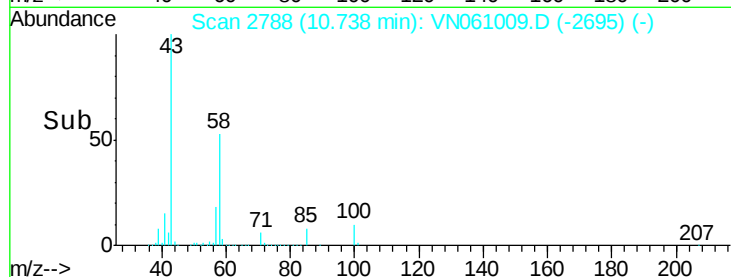
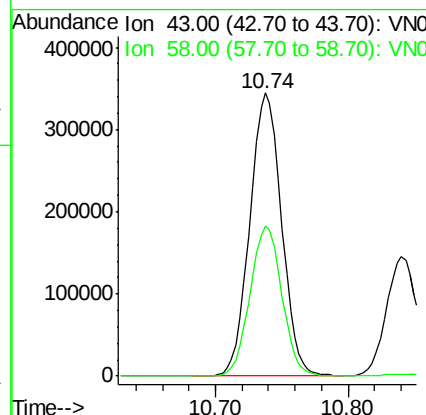
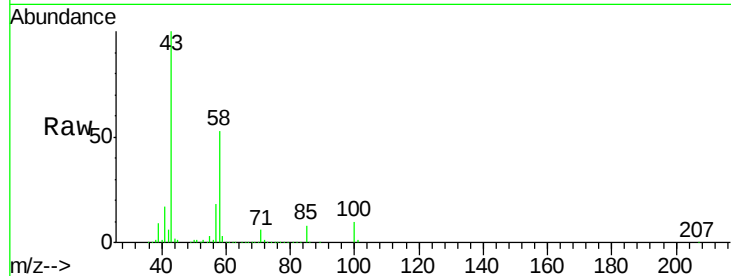
#59
2-Hexanone
Concen: 257.296 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion: 43 Resp: 574002
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0

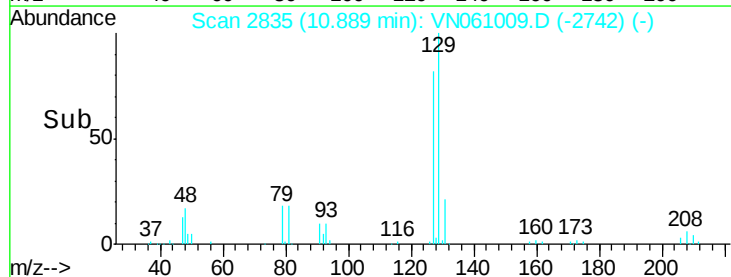
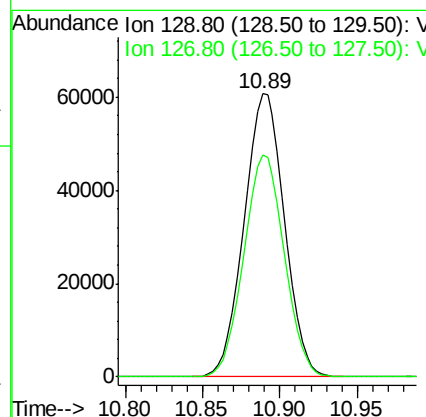
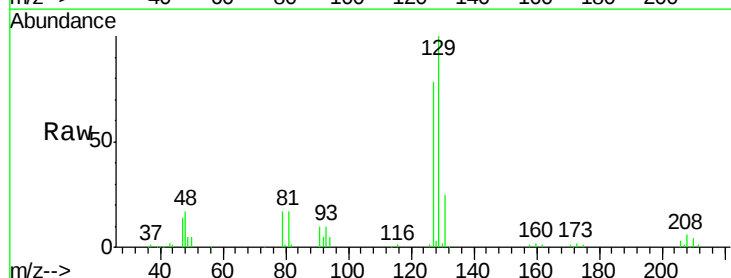
Manual Integrations
APPROVED

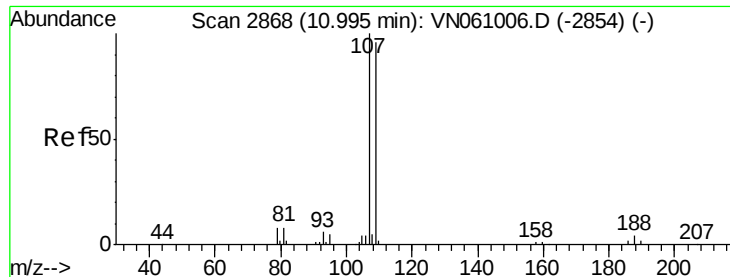
MMDadoda
4/17/2020 11:53:20 AM



#60
Dibromochloromethane
Concen: 52.406 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion: 129 Resp: 110174
Ion Ratio Lower Upper
129 100
127 78.7 39.0 116.9





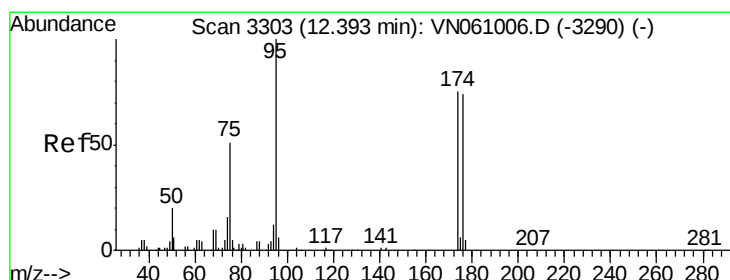
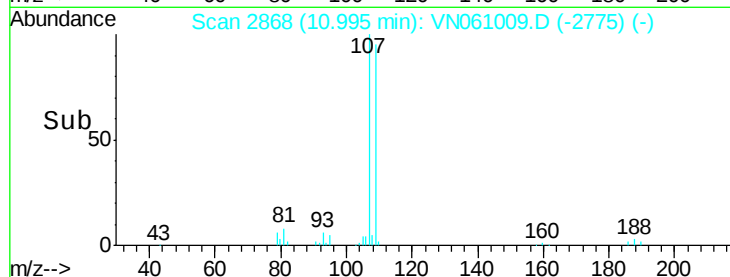
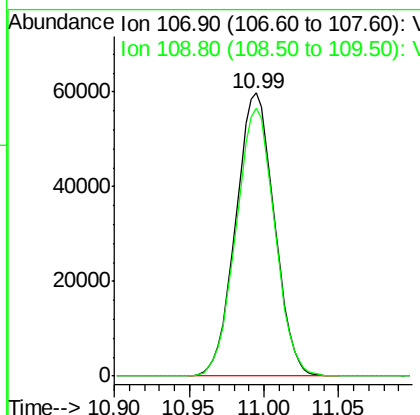
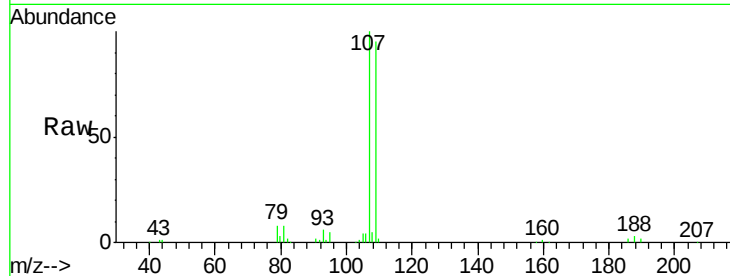
#61
 1,2-Dibromoethane
 Concen: 51.447 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041620

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.9	113.9

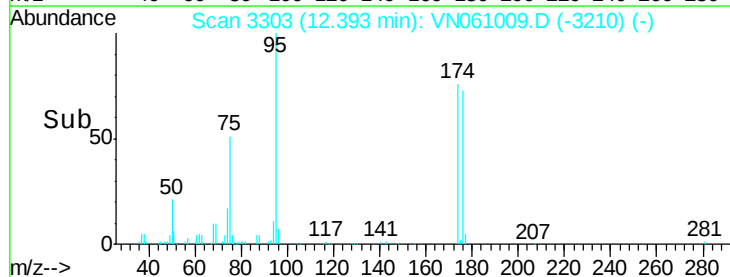
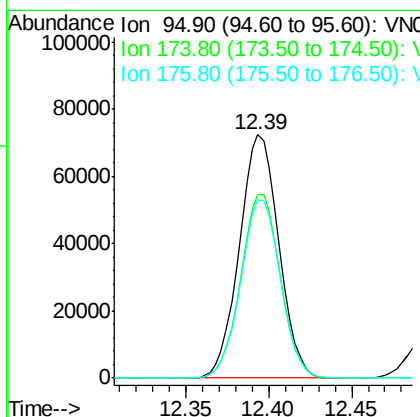
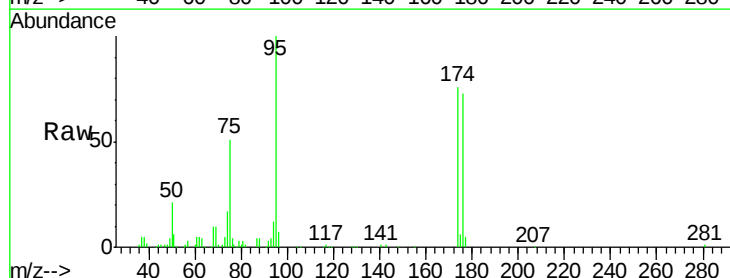
Manual Integrations
 APPROVED

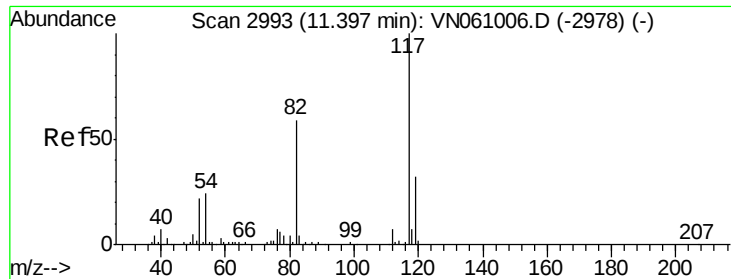
MMDadoda
 4/17/2020 11:53:20 AM



#62
 4-Bromofluorobenzene
 Concen: 46.924 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	151.2
176	74.0	0.0	148.2





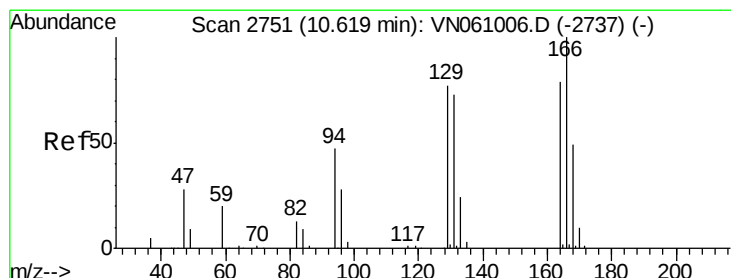
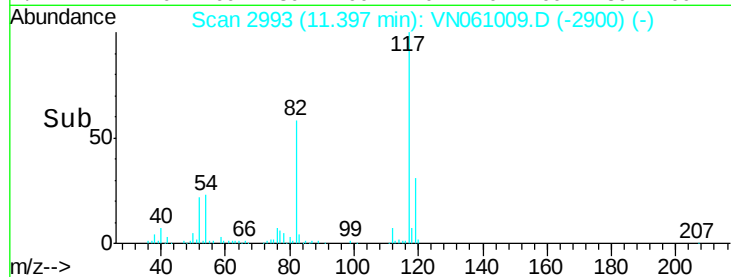
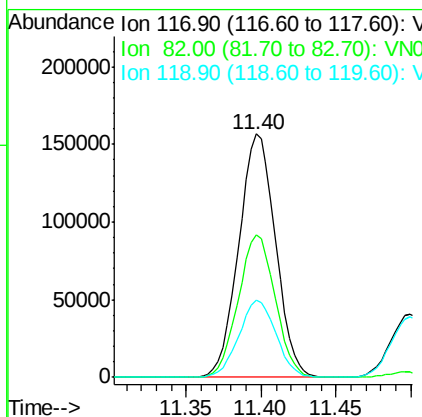
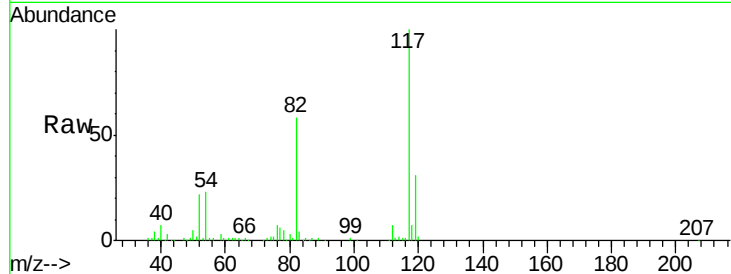
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.1	70.7
119	31.5	25.7	38.5

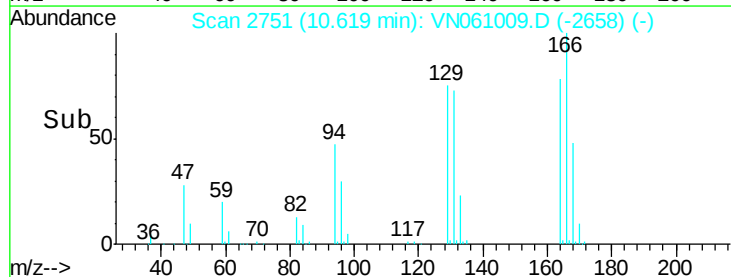
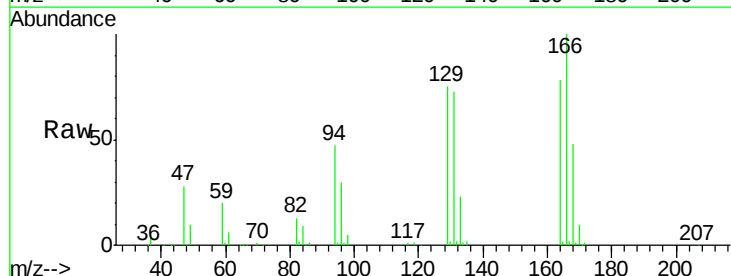
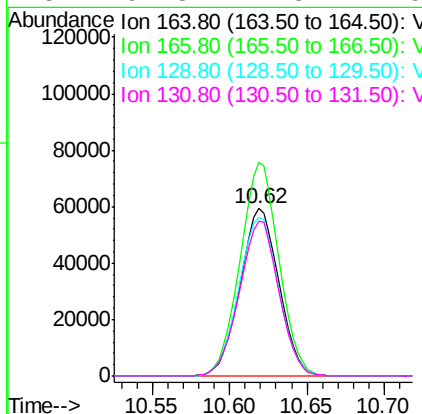
Manual Integrations
APPROVED

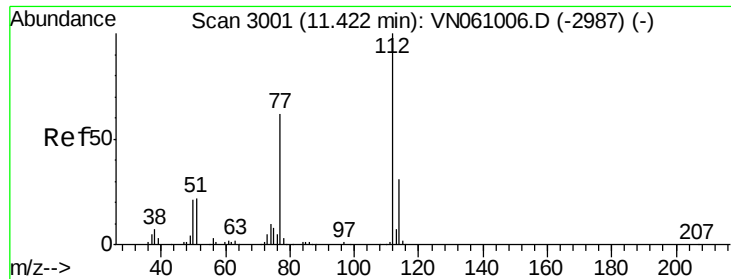
MMDadoda
4/17/2020 11:53:20 AM



#64
Tetrachloroethene
Concen: 50.515 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.6	152.4
129	95.2	78.5	117.7
131	92.8	74.3	111.5





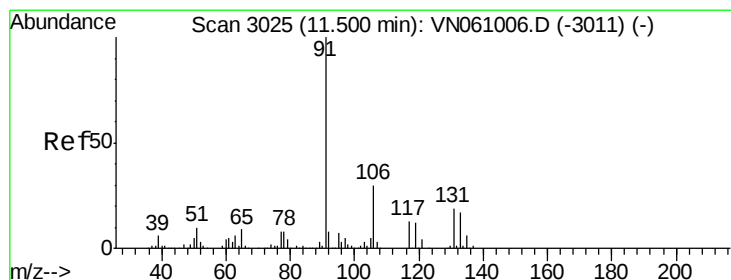
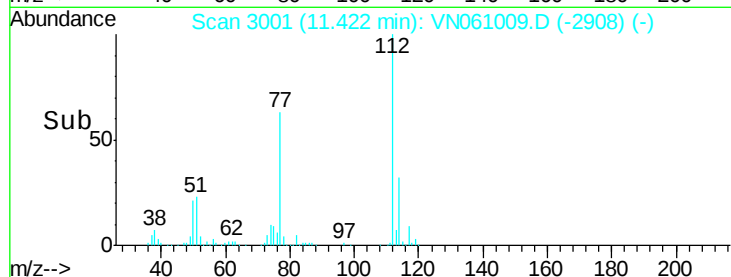
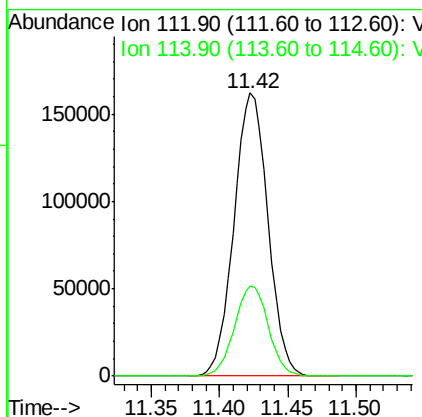
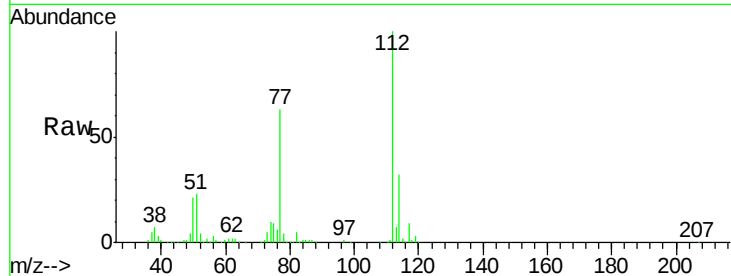
#65
Chlorobenzene
Concen: 50.448 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

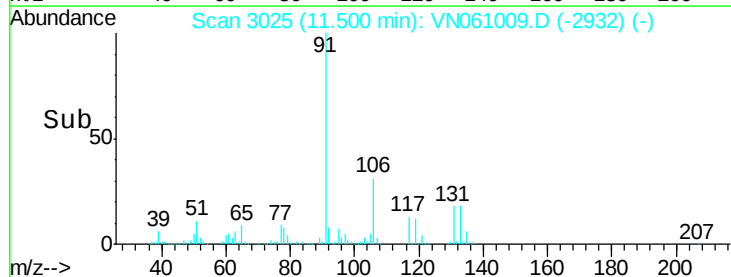
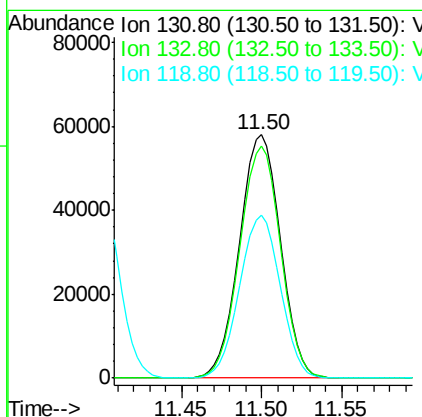
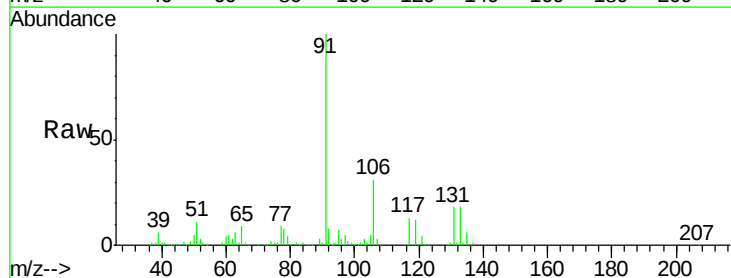
Manual Integrations
APPROVED

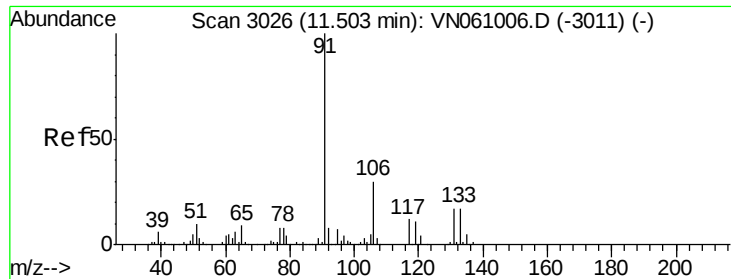
MMDadoda
4/17/2020 11:53:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.165 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.8
119	66.5	33.3	99.8





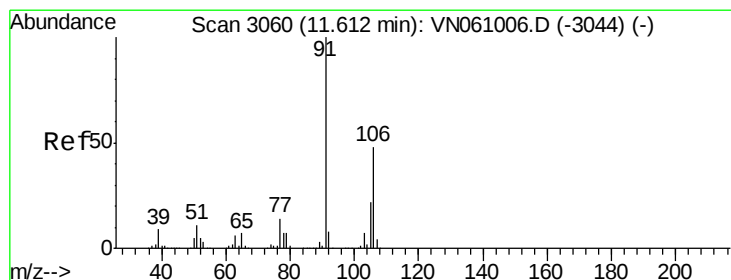
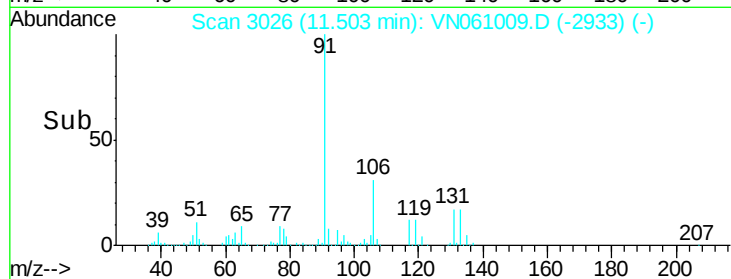
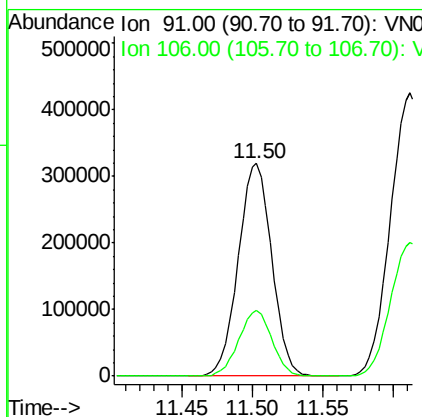
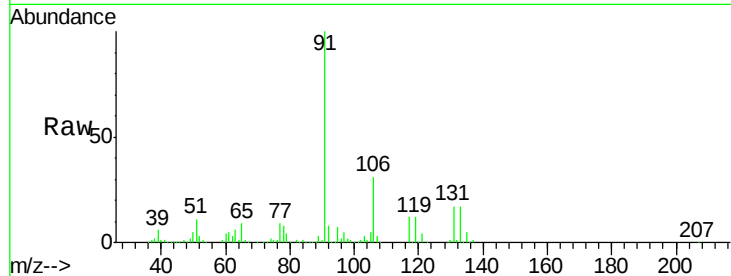
#67
Ethyl Benzene
Concen: 50.977 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	91	Resp	531886
Ion Ratio	100	Lower	Upper
106	31.1	23.8	35.8

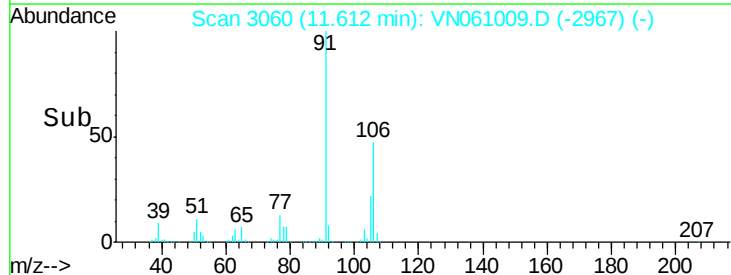
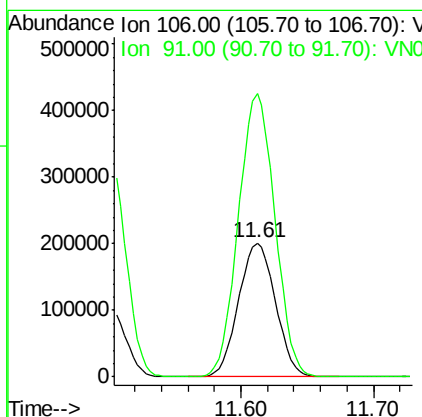
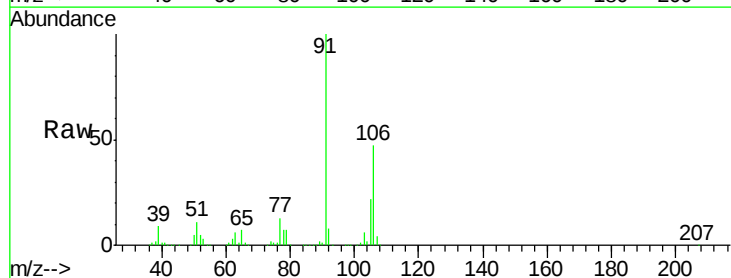
Manual Integrations
APPROVED

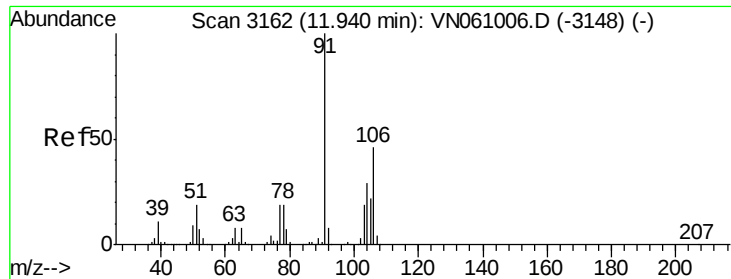
MMDadoda
4/17/2020 11:53:20 AM



#68
m/p-Xylenes
Concen: 102.823 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	106	Resp	387725
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	209.8	167.9	251.9





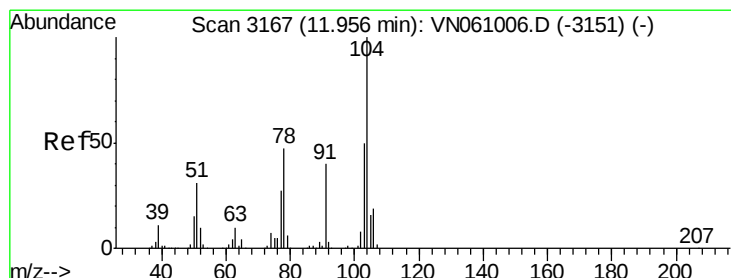
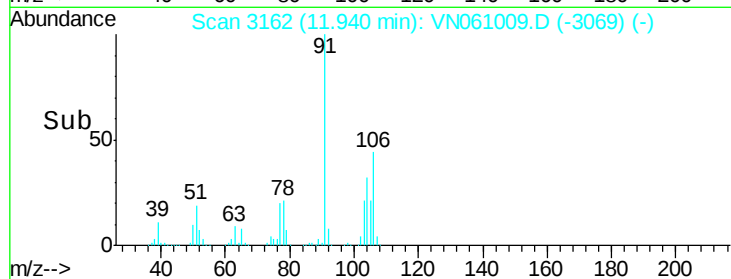
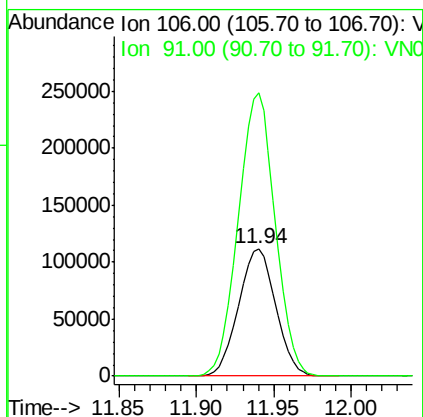
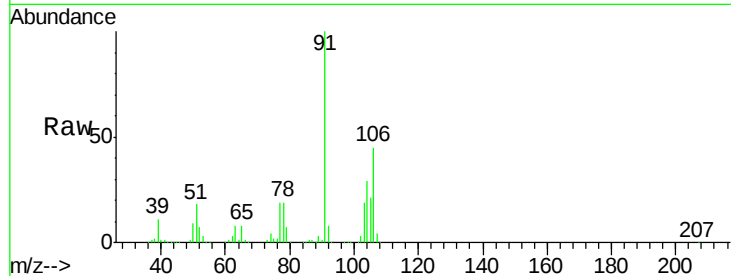
#69
o-Xylene
Concen: 51.440 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampled :
ICVVN041620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		186498		
91	220.7	110.7	332.1		

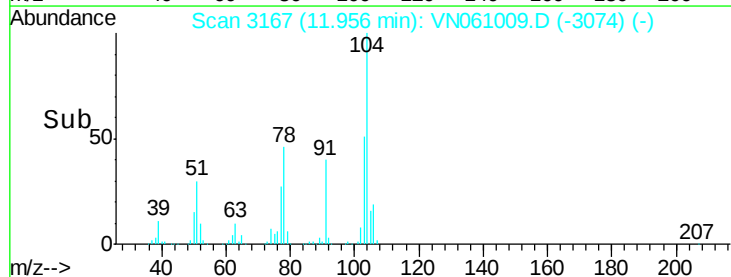
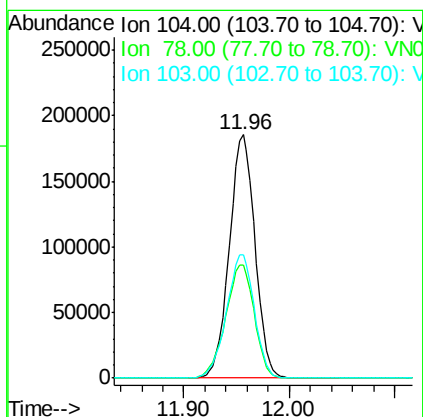
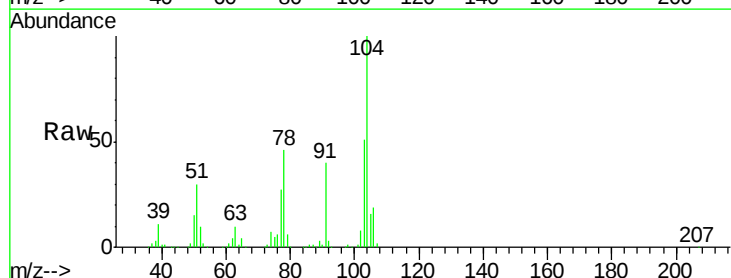
Manual Integrations
APPROVED

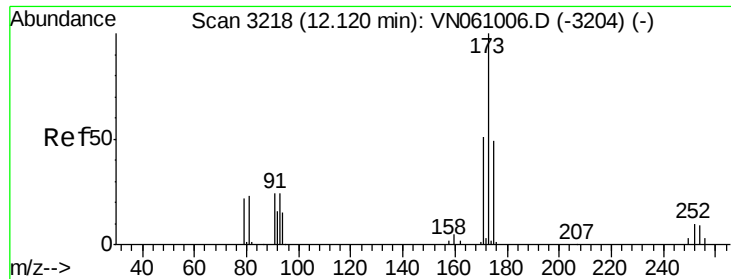
MMDadoda
4/17/2020 11:53:20 AM



#70
Styrene
Concen: 53.351 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		311397		
78	52.1	42.2	63.4		
103	55.1	44.4	66.6		





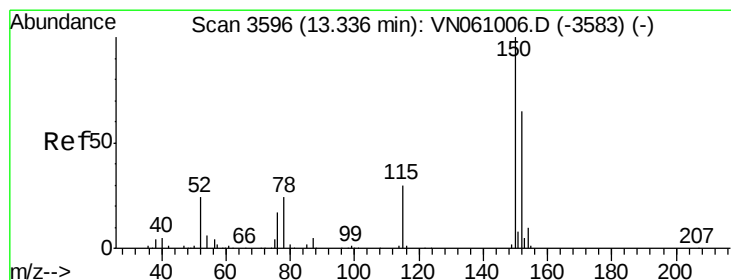
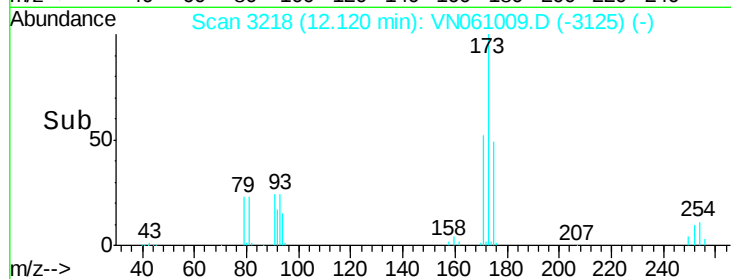
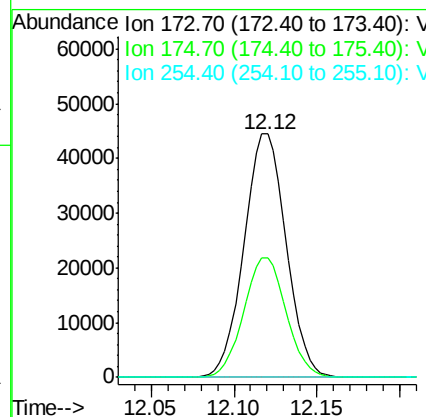
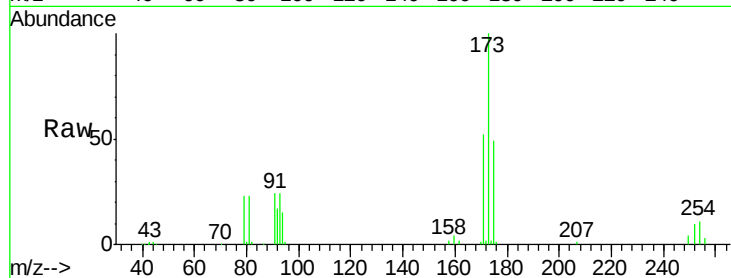
#71
Bromoform
Concen: 53.169 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.0	0.0	0.0

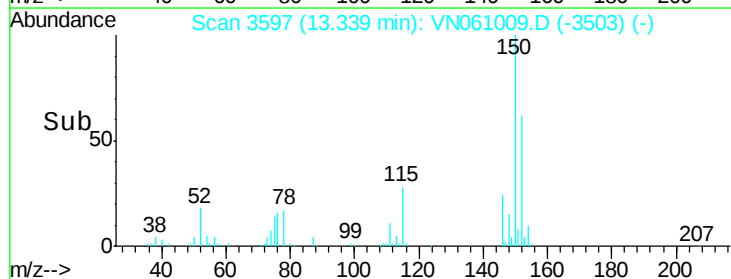
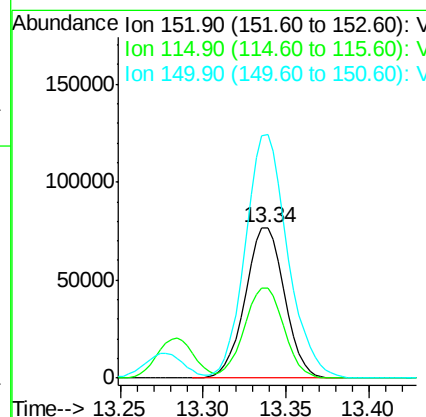
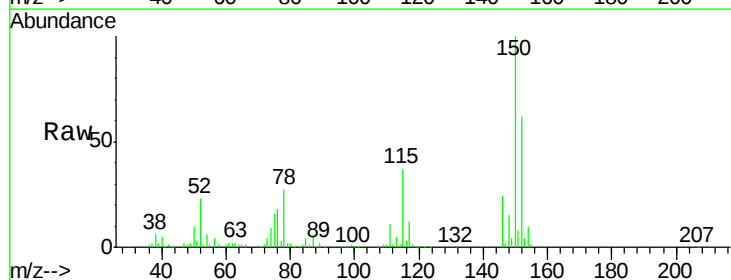
Manual Integrations
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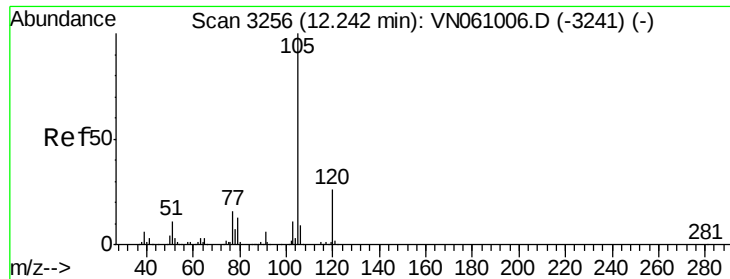
MMDadoda
4/17/2020 11:53:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.8	92.4
150	174.8	0.0	349.0





#73

Isopropylbenzene

Concen: 49.692 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion:105 Resp: 502941

Ion Ratio Lower Upper

105 100

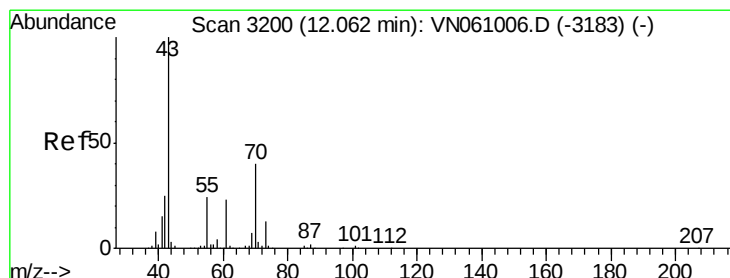
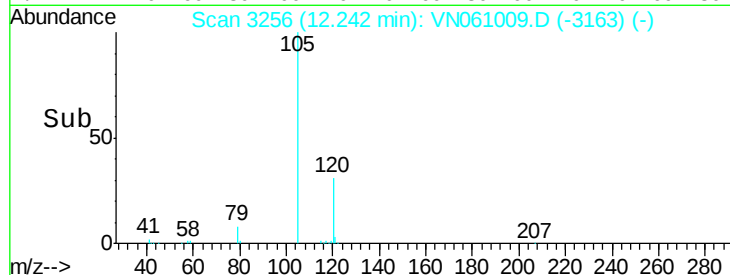
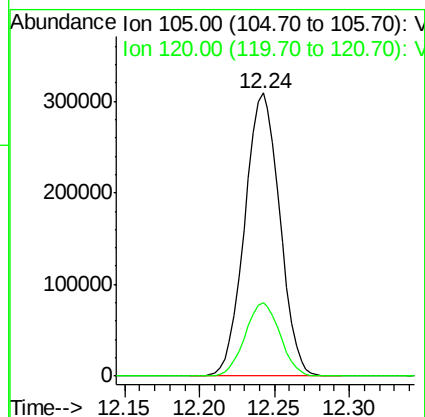
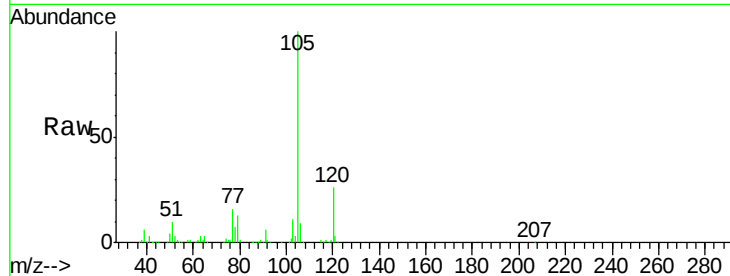
120 25.9 13.0 38.9

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:20 AM



#74

N-ethyl acetate

Concen: 49.105 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Tgt Ion: 43 Resp: 231120

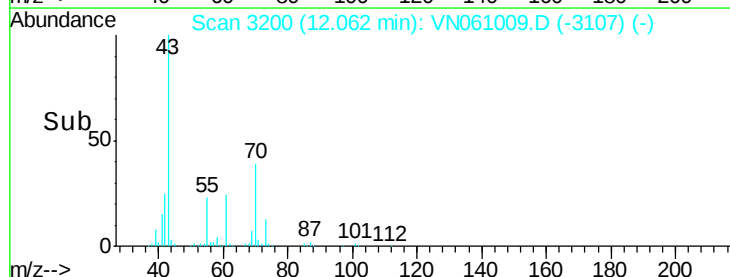
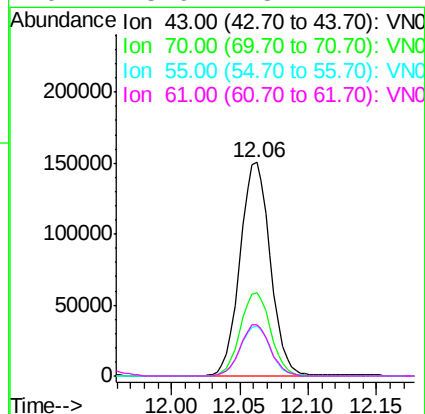
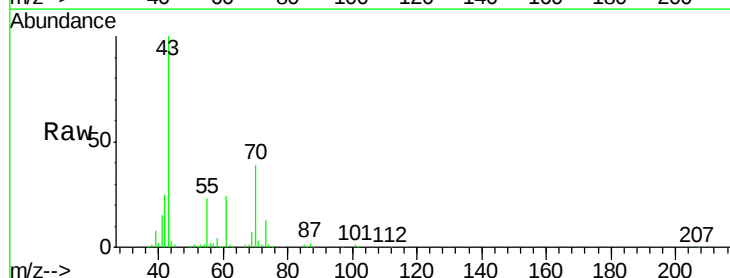
Ion Ratio Lower Upper

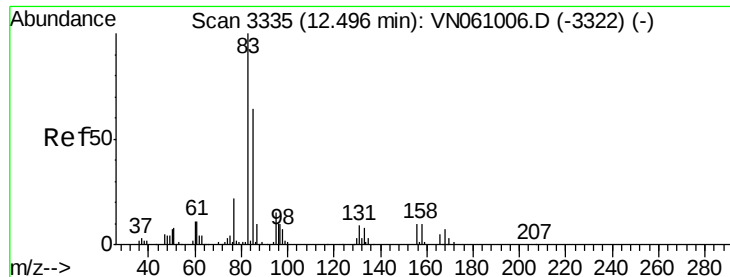
43 100

70 39.5 31.0 46.6

55 23.3 18.6 27.8

61 23.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.289 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

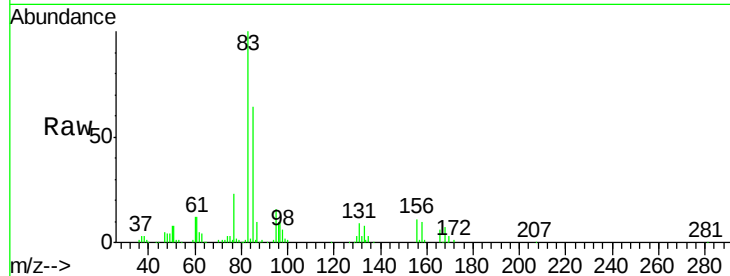
ClientSampleId :

ICVVN041620

Tot Ion:	83	Resp:	152280
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	64.2	32.3	96.8

Manual Integrations
APPROVED

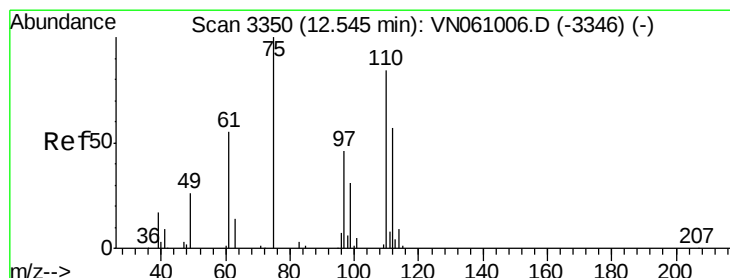
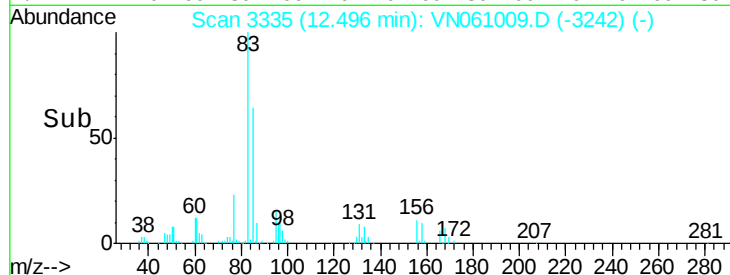
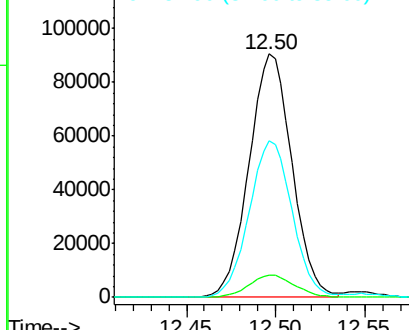
MMDadoda
4/17/2020 11:53:20 AM



Abundance Ion 82.90 (82.60 to 83.60): VN061009.D (-3242) (-)

Ion 130.80 (130.50 to 131.50): VN061009.D (-3242) (-)

Ion 84.90 (84.60 to 85.60): VN061009.D (-3242) (-)



#76

1,2,3-Trichloropropane

Concen: 51.540 ug/l m

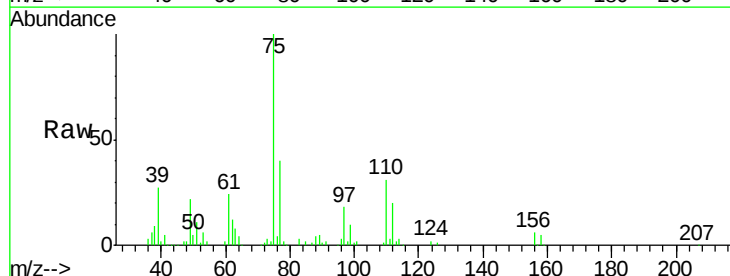
RT: 12.54 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VN061009.D

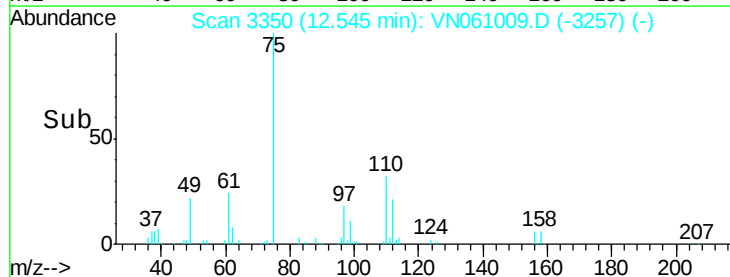
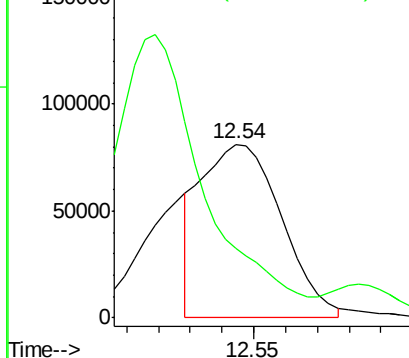
Acq: 16 Apr 2020 14:00

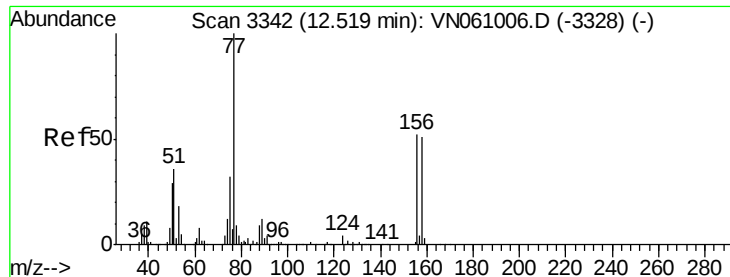
Tgt Ion:	75	Resp:	143219
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061009.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN061009.D (-3257) (-)





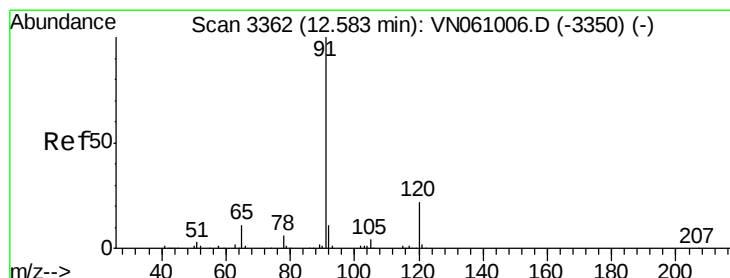
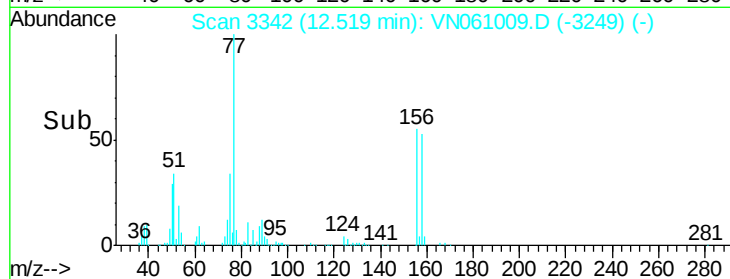
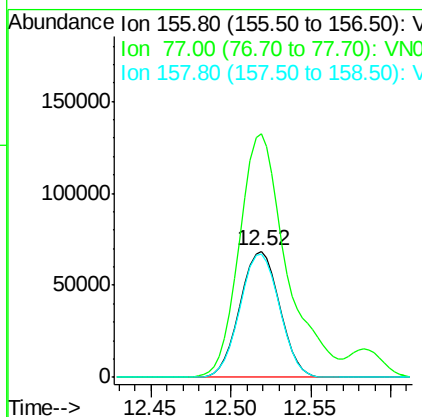
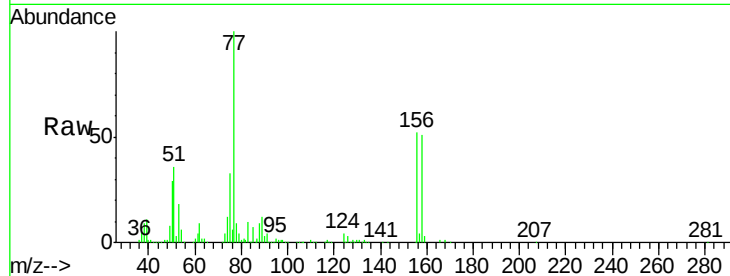
#77
Bromobenzene
Concen: 49.425 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
156	100		
77	228.8	115.6	346.8
158	97.6	48.9	146.6

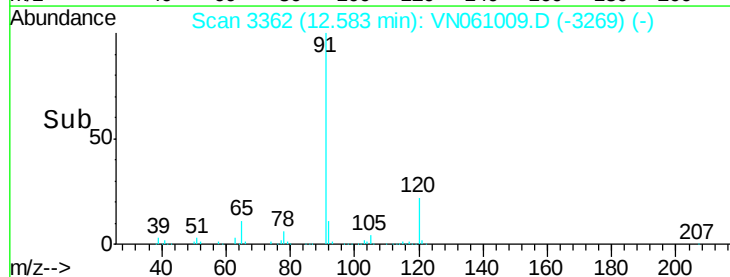
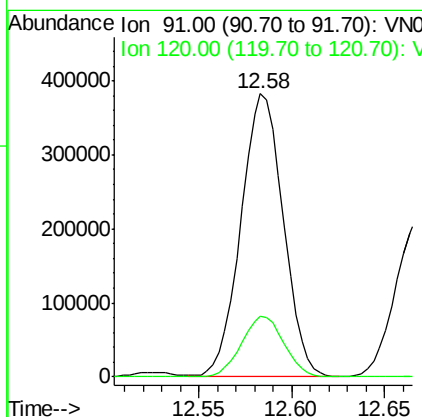
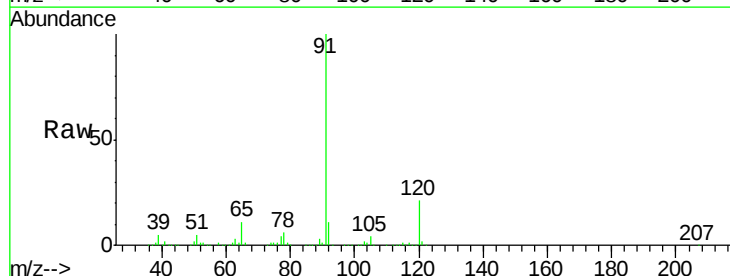
Manual Integrations
APPROVED

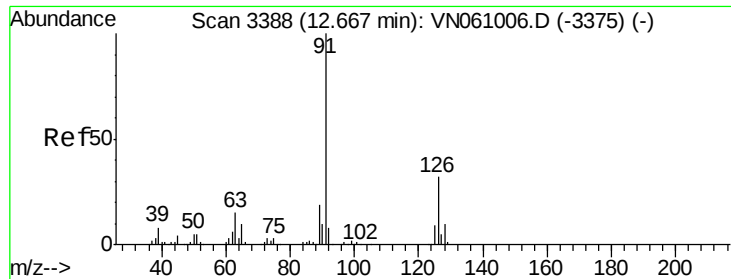
MMDadoda
4/17/2020 11:53:20 AM



#78
n-propylbenzene
Concen: 51.009 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.7





#79

2-Chlorotoluene

Concen: 49.823 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampled :

ICVVN041620

Tot Ion: 91 Resp: 346023

Ion Ratio Lower Upper

91 100

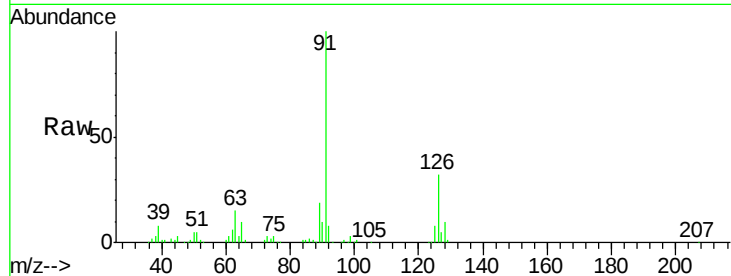
126 32.5 16.1 48.2

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:20 AM



Abundance Ion 91.00 (90.70 to 91.70): VN061009.D (-3295) (-)

Ion 125.90 (125.60 to 126.60): VN061009.D (-3295) (-)

400000

300000

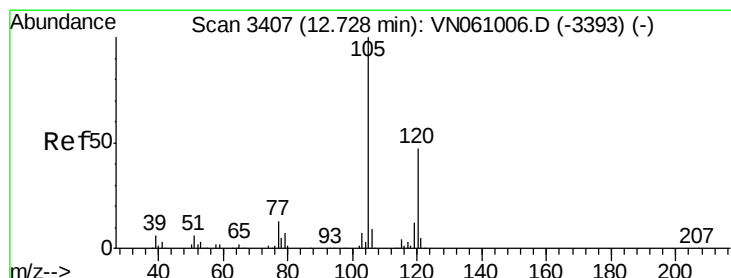
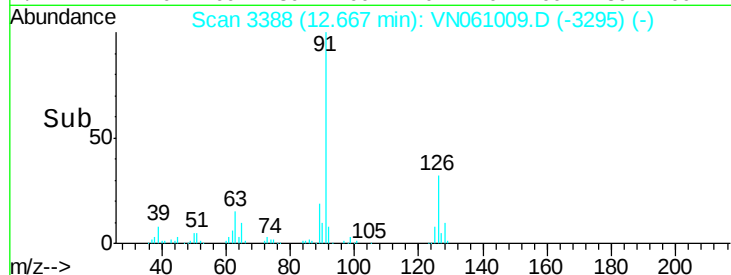
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.798 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN061009.D

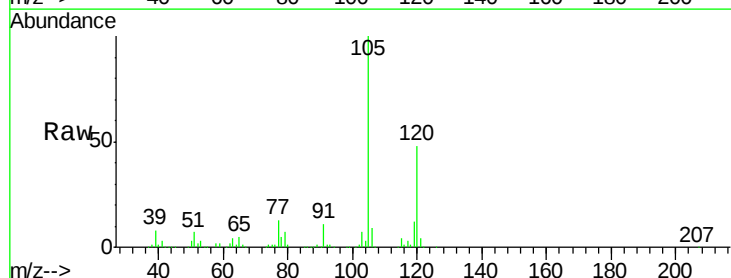
Acq: 16 Apr 2020 14:00

Tgt Ion: 105 Resp: 424967

Ion Ratio Lower Upper

105 100

120 47.9 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061009.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN061009.D (-3314) (-)

300000

250000

200000

150000

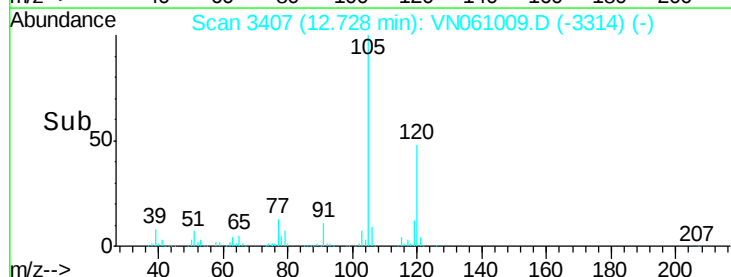
100000

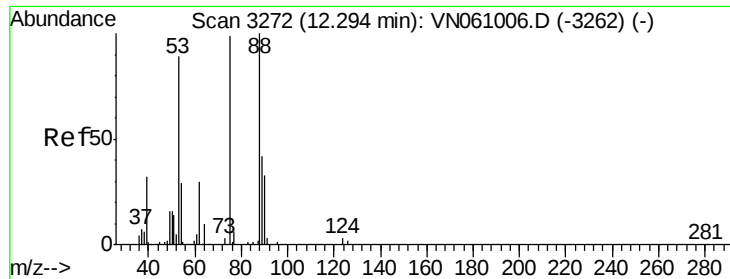
50000

0

12.70 12.75 12.80

Time-->





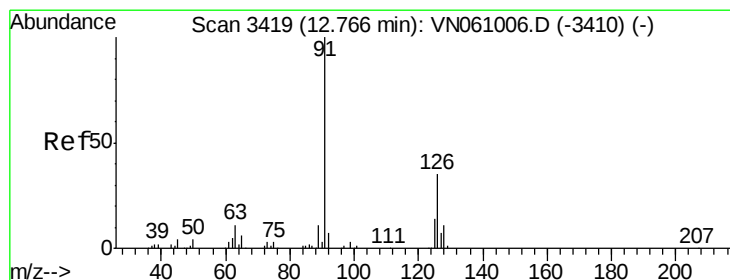
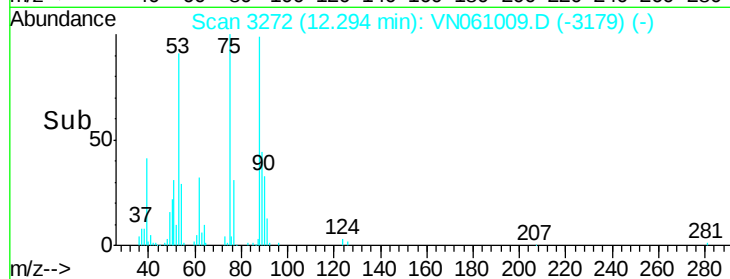
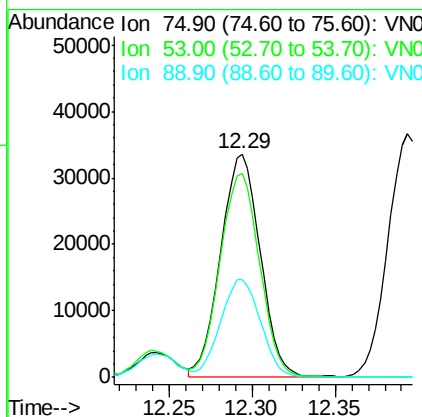
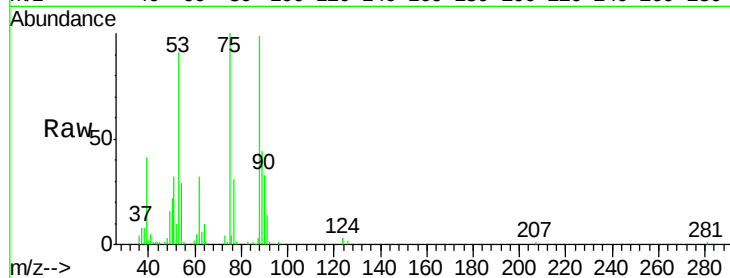
#81
trans-1,4-Dichloro-2-butene
Concen: 49.644 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	74.7	112.1
89	44.1	34.6	52.0

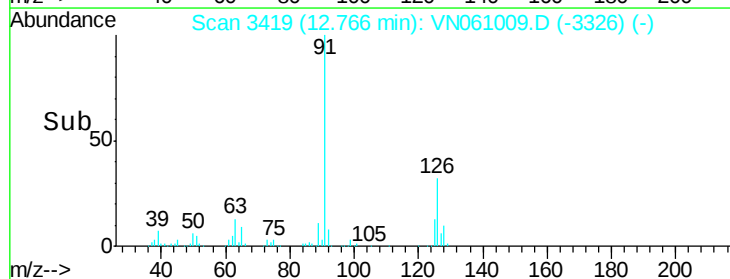
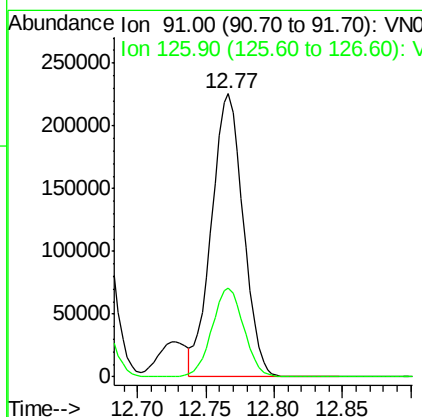
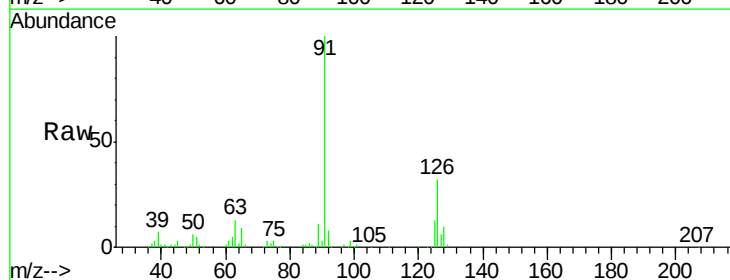
Manual Integrations
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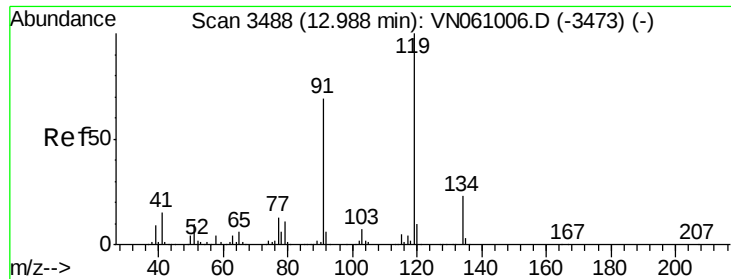
MMDadoda
4/17/2020 11:53:20 AM



#82
4-Chlorotoluene
Concen: 50.621 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6





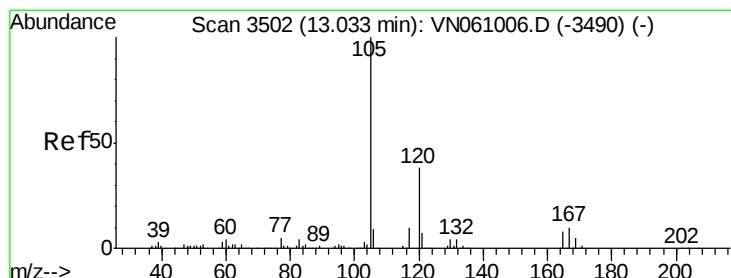
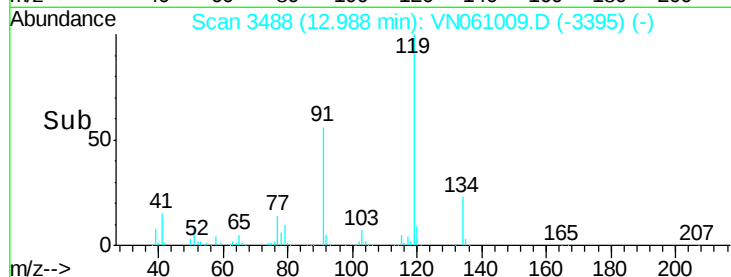
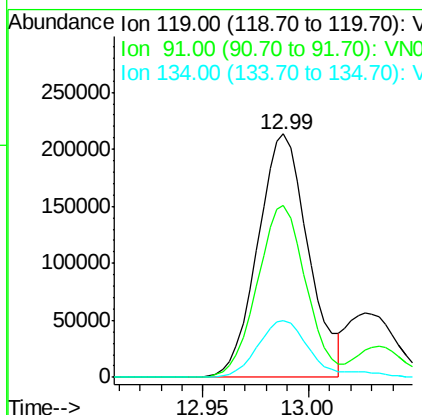
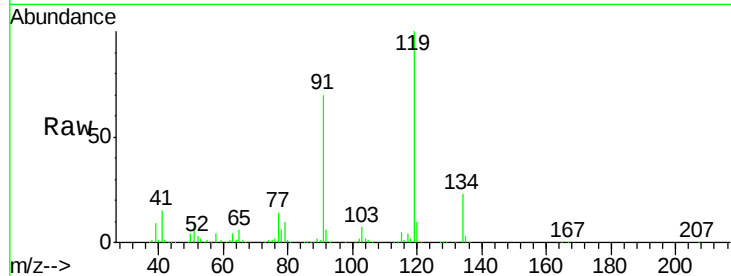
#83
tert-Butylbenzene
Concen: 50.444 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.1	102.3
134	24.7	12.4	37.2

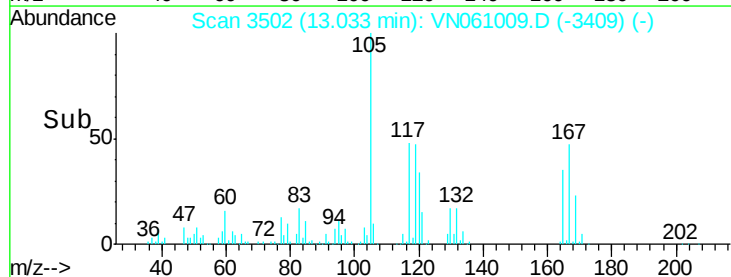
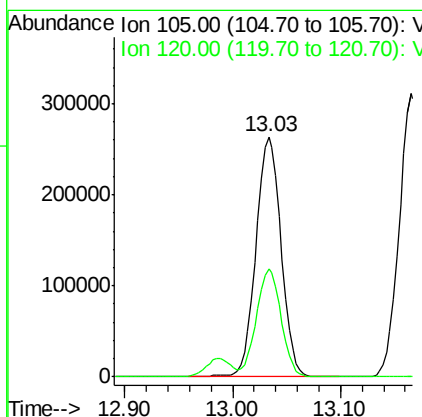
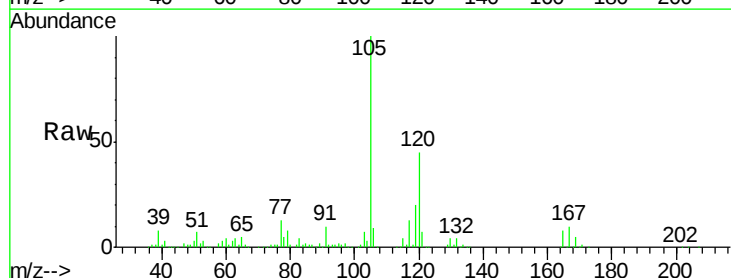
Manual Integrations
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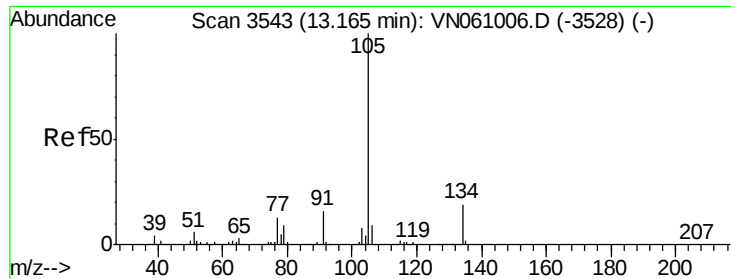
MMDadoda
4/17/2020 11:53:20 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.277 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 50.948 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041620

Tot Ion:105 Resp: 485671

Ion Ratio Lower Upper

105 100

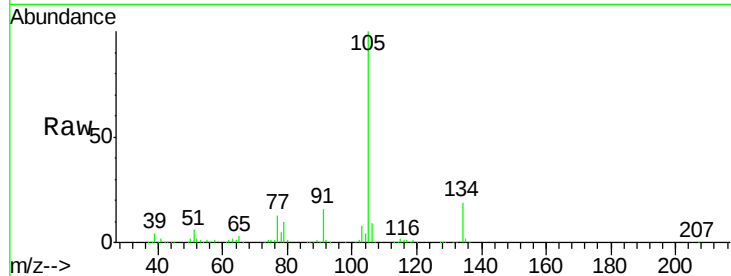
134 19.1 9.5 28.5

Manual Integrations

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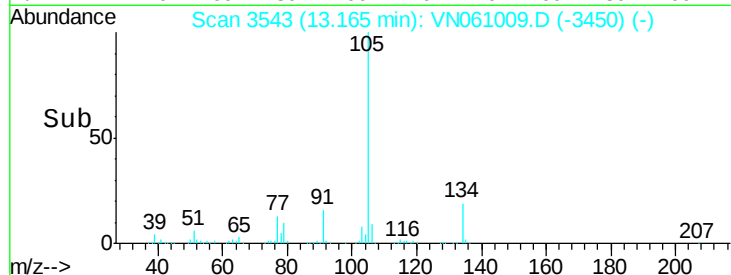
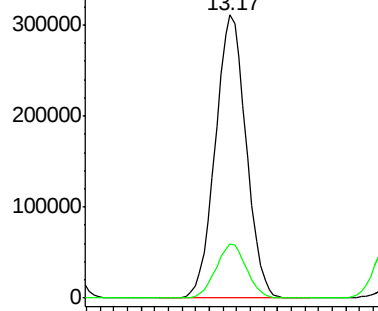
MMDadoda

4/17/2020 11:53:20 AM

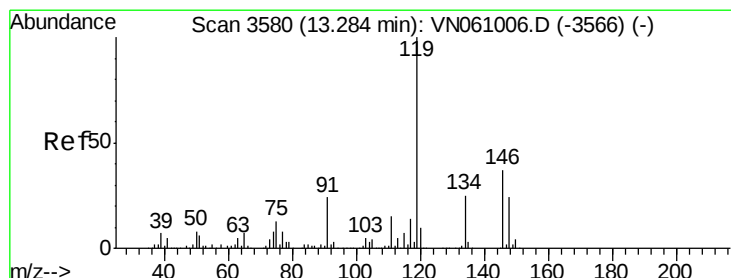


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 51.377 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

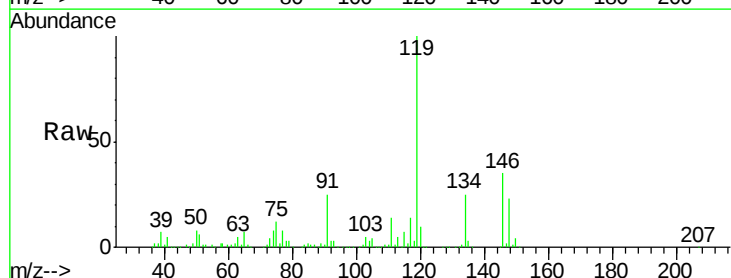
Tgt Ion:119 Resp: 436115

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

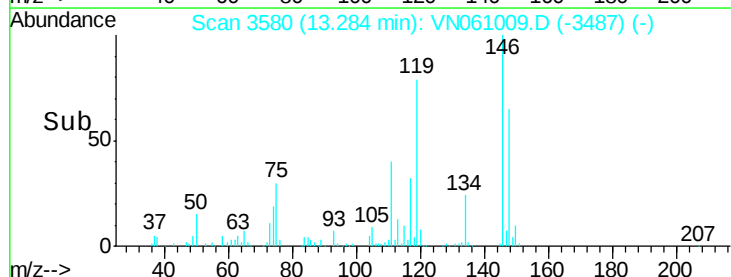
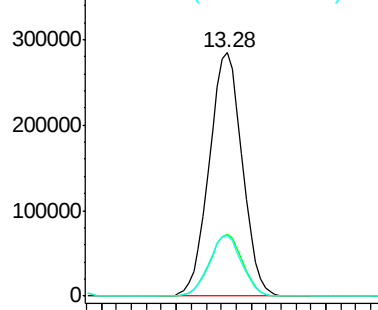
91 24.7 12.3 36.8



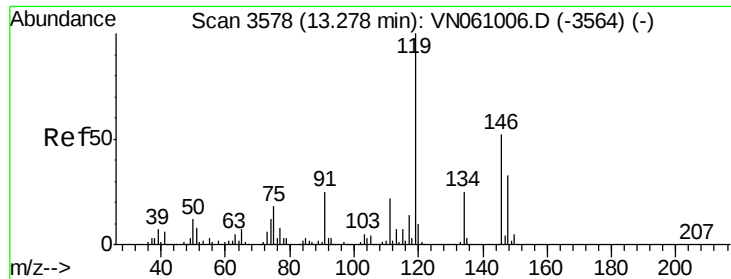
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



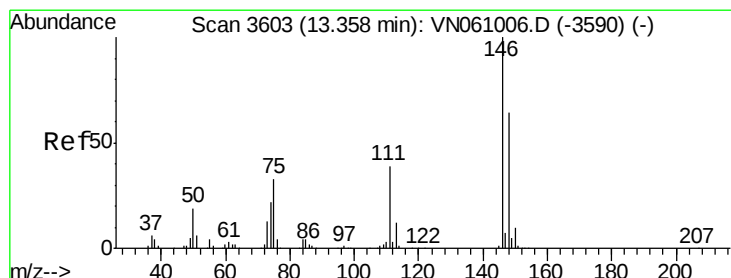
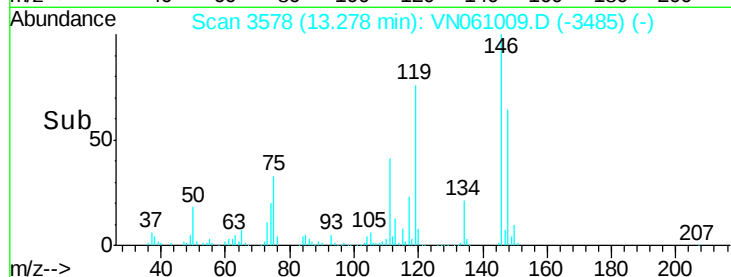
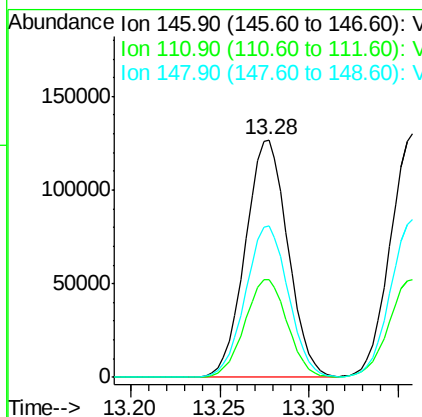
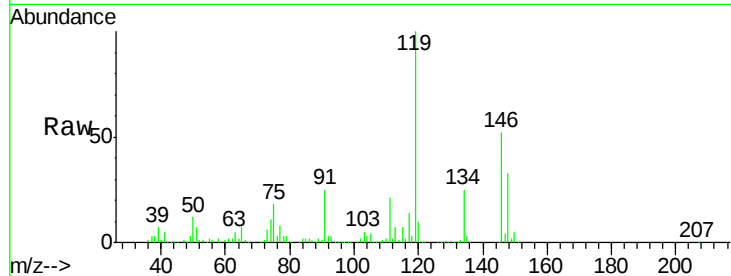
#87
 1,3-Dichlorobenzene
 Concen: 50.269 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041620

Tot Ion	Ratio	Resp	Lower	Upper
146	100	211702		
111	41.2	20.6	61.8	
148	64.1	31.8	95.3	

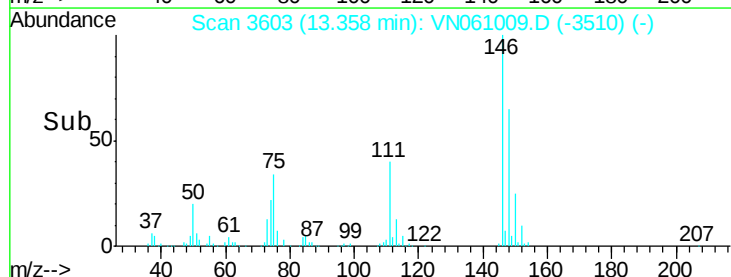
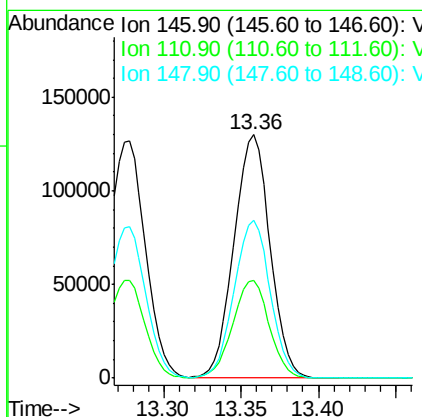
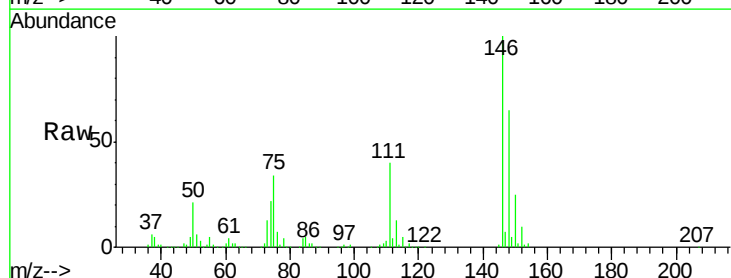
Manual Integrations
 APPROVED

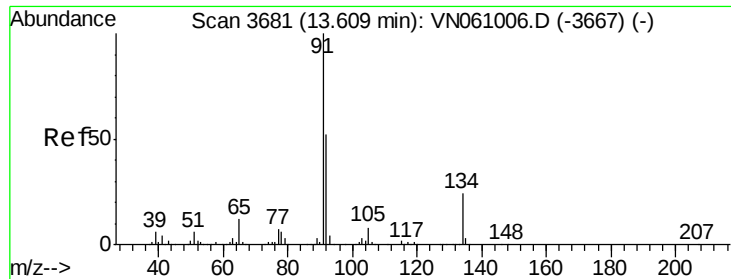
MMDadoda
 4/17/2020 11:53:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.723 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210662		
111	40.7	20.1	60.3	
148	64.6	32.1	96.3	





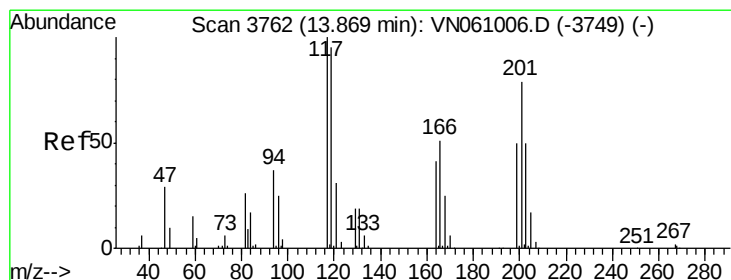
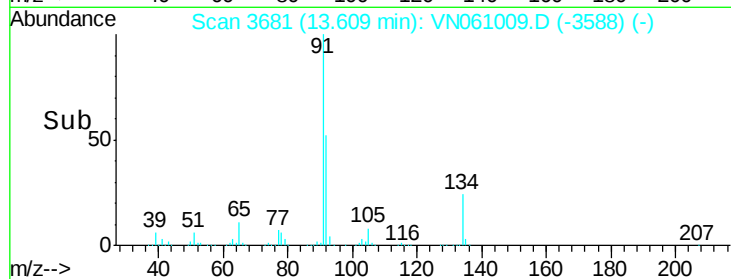
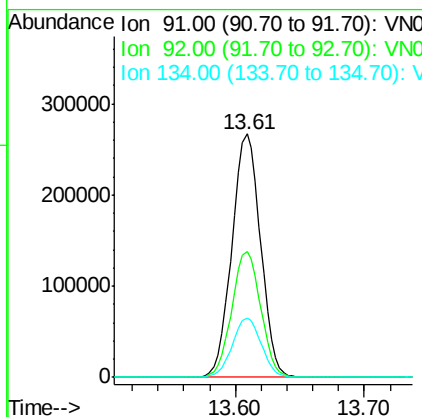
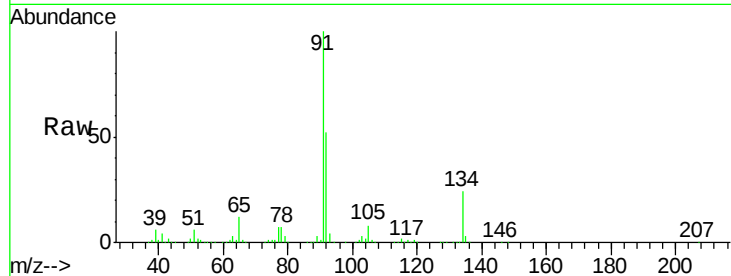
#89
n-Butylbenzene
Concen: 52.137 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041620

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.1	26.1	78.2	
134	24.4	12.3	36.8	

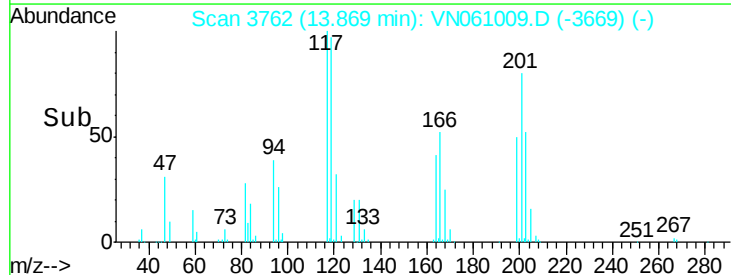
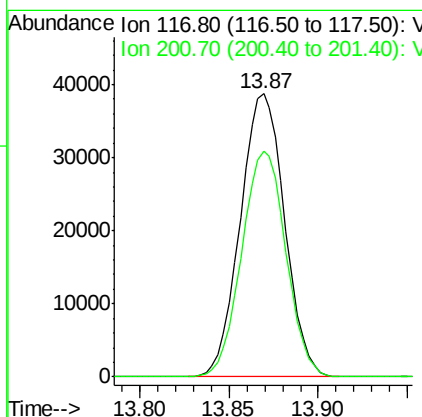
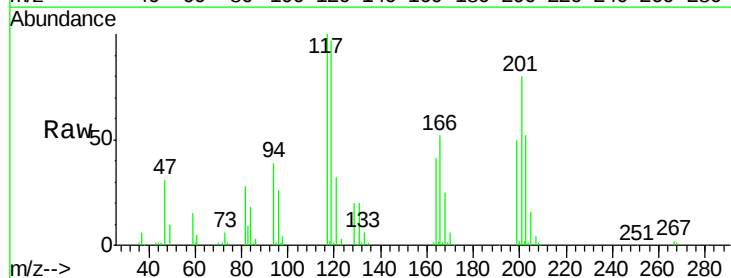
Manual Integrations
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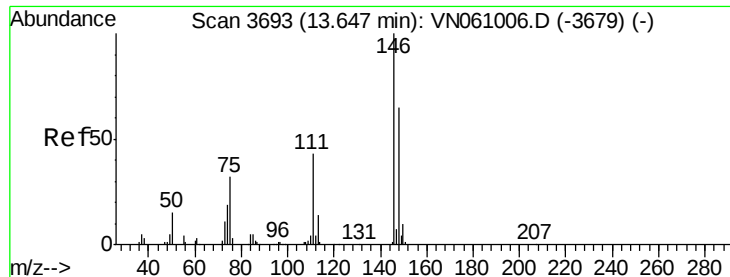
MMDadoda
4/17/2020 11:53:20 AM



#90
Hexachloroethane
Concen: 51.470 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN061009.D
Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.5	39.3	117.9	





#91

1,2-Dichlorobenzene

Concen: 50.160 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

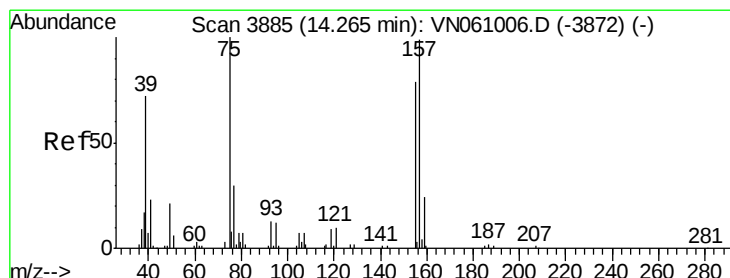
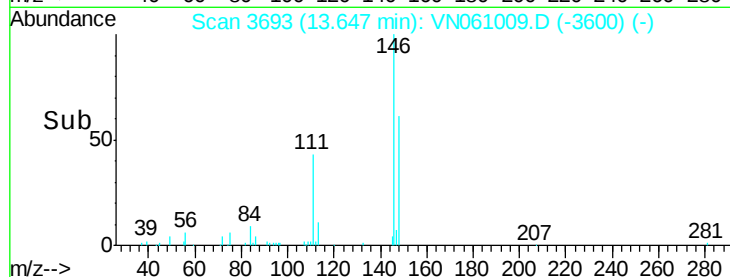
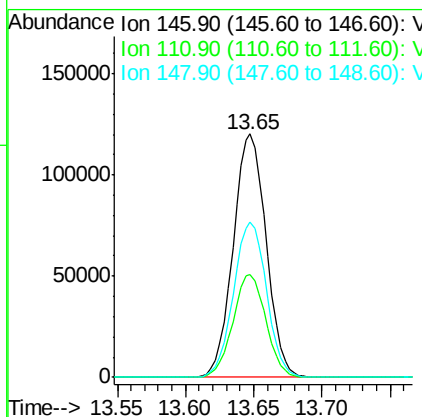
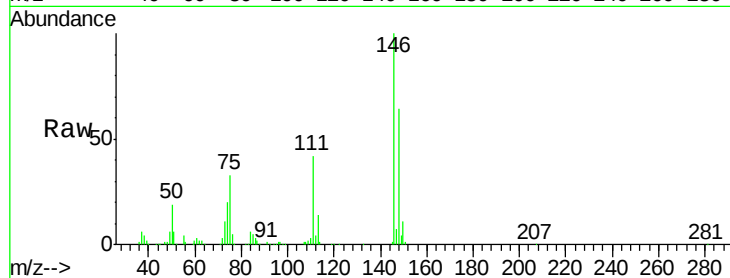
ClientSampleId :

ICVVN041620

Tot Ion:	146	Resp:	201614
Ion Ratio		Lower	Upper
146	100		
111	42.3	21.3	64.0
148	63.9	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.372 ug/l

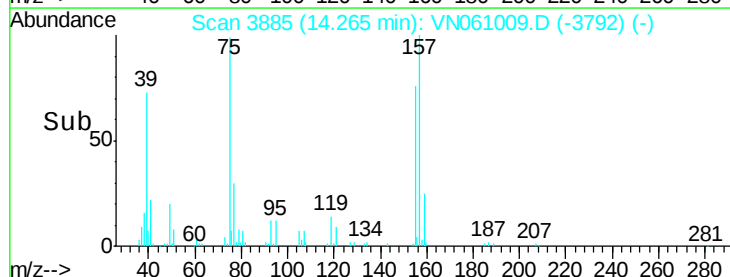
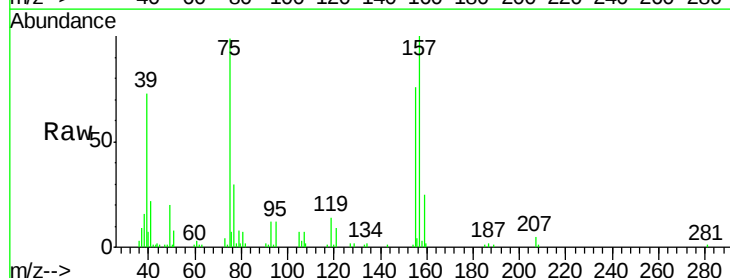
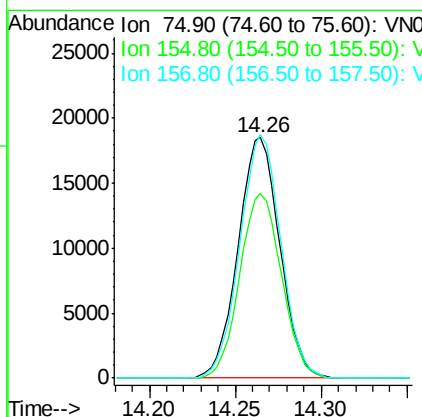
RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Tgt Ion:	75	Resp:	31315
Ion Ratio		Lower	Upper
75	100		
155	76.4	39.5	118.5
157	99.2	50.1	150.4





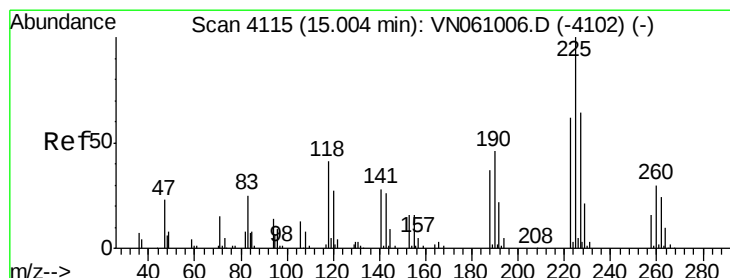
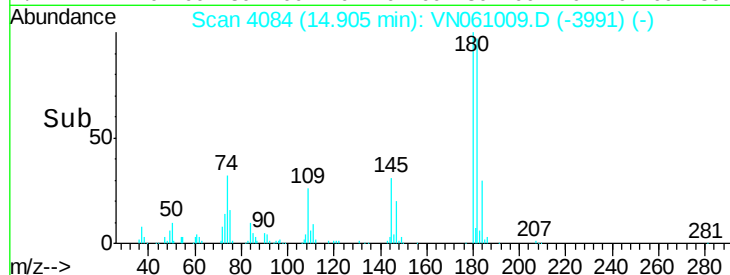
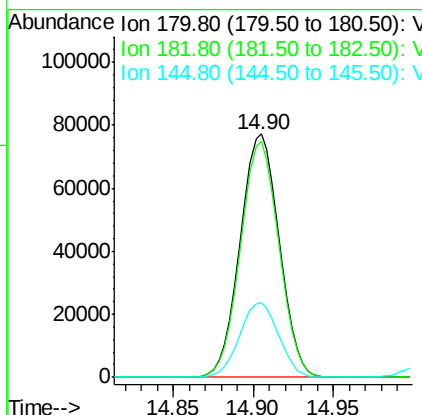
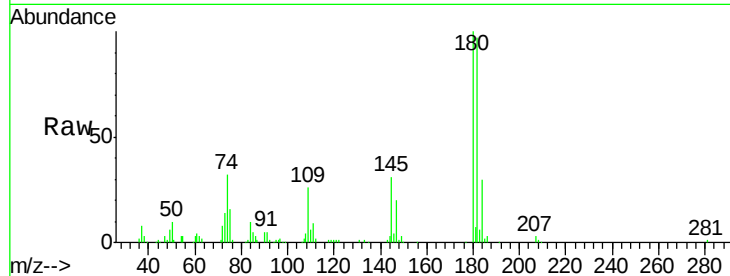
#93
 1,2,4-Trichlorobenzene
 Concen: 53.974 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041620

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.8	143.3	
145	30.6	15.3	45.8	

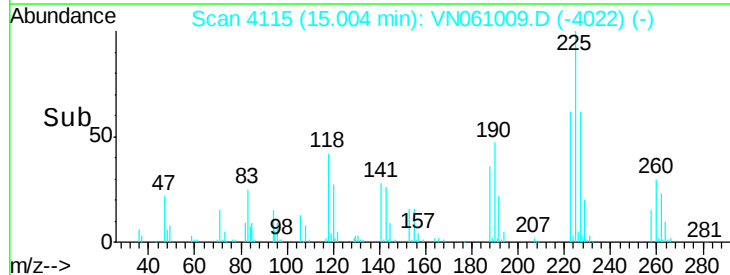
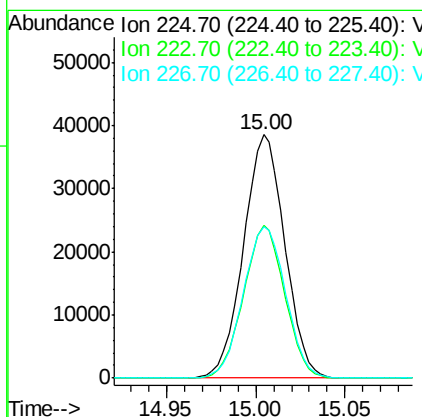
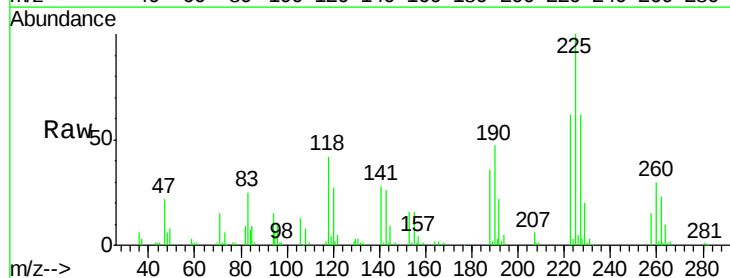
Manual Integrations
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 4/17/2020 11:53:20 AM



#94
 Hexachlorobutadiene
 Concen: 50.952 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN061009.D
 Acq: 16 Apr 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.3	93.8	
227	63.6	31.9	95.5	





#95

Naphthalene

Concen: 53.602 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Instrument :

MSVOA_N

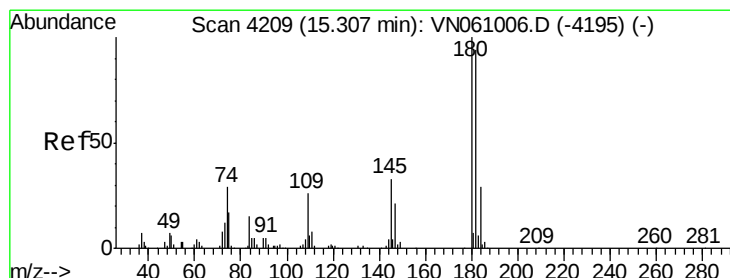
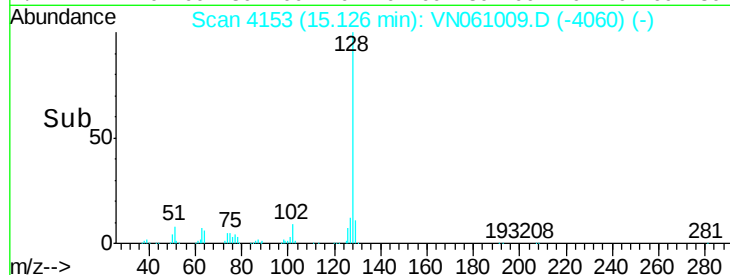
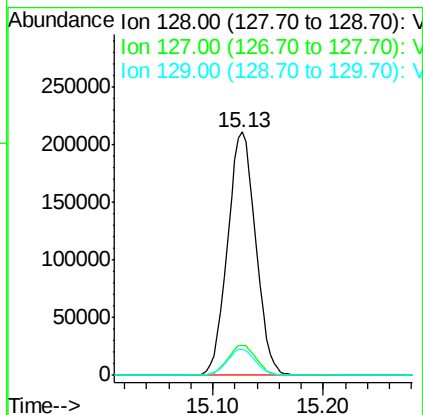
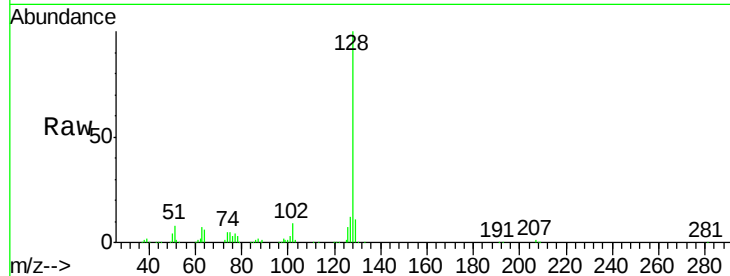
ClientSampleId :

ICVVN041620

Tot Ion:	128	Resp:	371896
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 53.023 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.00 min

Lab File: VN061009.D

Acq: 16 Apr 2020 14:00

Tgt Ion:	180	Resp:	121565
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.6	142.8
145	32.3	16.4	49.2

