

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061116.D
 Acq On : 20 Apr 2020 20:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:35 PM

Quant Time: Apr 21 06:40:36 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	151378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	255752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	95335	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.56	113	74918	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.08	98	268779	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.40	95	107935	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	96555	48.270	ug/l	99
3) Chloromethane	2.04	50	129753	48.328	ug/l	99
4) Vinyl Chloride	2.17	62	110460	49.508	ug/l	99
5) Bromomethane	2.55	94	56141	50.176	ug/l	96
6) Chloroethane	2.69	64	65737	51.076	ug/l	100
7) Trichlorofluoromethane	3.00	101	140187	50.469	ug/l	100
8) Diethyl Ether	3.38	74	54197	49.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78768	48.333	ug/l	100
10) Methyl Iodide	3.93	142	75271	52.355	ug/l	99
11) Tert butyl alcohol	4.72	59	71356	207.650	ug/l	99
12) 1,1-Dichloroethene	3.72	96	82547	49.830	ug/l	99
13) Acrolein	3.57	56	67101	231.265	ug/l	99
14) Allyl chloride	4.29	41	146389	46.705	ug/l	99
15) Acrylonitrile	4.94	53	229363	246.170	ug/l	99
16) Acetone	3.78	43	181459	212.861	ug/l	100
17) Carbon Disulfide	4.03	76	251185	48.457	ug/l	99
18) Methyl Acetate	4.28	43	131451	49.174	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	281881	48.801	ug/l	99
20) Methylene Chloride	4.52	84	91949	49.402	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	88113	49.731	ug/l	97
22) Diisopropyl ether	5.91	45	326458	50.150	ug/l	99
23) Vinyl Acetate	5.86	43	1267820	248.363	ug/l	100
24) 1,1-Dichloroethane	5.82	63	173765	49.423	ug/l	99
25) 2-Butanone	6.80	43	299986	229.644	ug/l	100
26) 2,2-Dichloropropane	6.79	77	132843	45.379	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100757	49.533	ug/l	99
28) Bromochloromethane	7.17	49	81785	50.677	ug/l	100
29) Tetrahydrofuran	7.18	42	205311	231.509	ug/l	99
30) Chloroform	7.35	83	165040	50.327	ug/l	100
31) Cyclohexane	7.63	56	167450	46.413	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	141355	49.834	ug/l	99
36) 1,1-Dichloropropene	7.77	75	130878	49.591	ug/l	100
37) Ethyl Acetate	6.89	43	133193	46.479	ug/l	100
38) Carbon Tetrachloride	7.75	117	113280	51.567	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	152833	48.438	ug/l	99
40) Benzene	8.02	78	384793	49.147	ug/l	100
41) Methacrylonitrile	7.14	41	57073m	47.749	ug/l	
42) 1,2-Dichloroethane	8.10	62	133726	50.138	ug/l	100
43) Isopropyl Acetate	8.14	43	226604	48.621	ug/l	100
44) Trichloroethene	8.81	130	94363	47.966	ug/l	99
45) 1,2-Dichloropropane	9.10	63	103604	48.991	ug/l	98
46) Dibromomethane	9.19	93	62429	51.202	ug/l	100
47) Bromodichloromethane	9.38	83	130053	50.491	ug/l	98
48) Methyl methacrylate	9.18	41	101286	49.176	ug/l	99
49) 1,4-Dioxane	9.18	88	23357	819.239	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	654080	243.450	ug/l	99
52) Toluene	10.14	92	230479	49.070	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	148515	49.638	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	160774	49.249	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	88358	49.710	ug/l	94
56) Ethyl methacrylate	10.42	69	141288	50.549	ug/l	98
57) 1,3-Dichloropropane	10.70	76	157985	49.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	311250	245.064	ug/l	100
59) 2-Hexanone	10.74	43	467236	241.141	ug/l	99
60) Dibromochloromethane	10.89	129	94441	51.723	ug/l	99
61) 1,2-Dibromoethane	10.99	107	90766	50.113	ug/l	98
64) Tetrachloroethene	10.62	164	88965	49.401	ug/l	99
65) Chlorobenzene	11.42	112	235172	48.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	86324	49.664	ug/l	99
67) Ethyl Benzene	11.50	91	451013	49.352	ug/l	100
68) m/p-Xylenes	11.61	106	327318	99.106	ug/l	100
69) o-Xylene	11.94	106	156114	49.162	ug/l	99
70) Styrene	11.96	104	263315	51.507	ug/l	99
71) Bromoform	12.12	173	66565	51.306	ug/l #	100
73) Isopropylbenzene	12.24	105	425776	48.114	ug/l	99
74) N-amyl acetate	12.06	43	196219	47.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	129378	47.895	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110785m	45.598	ug/l	
77) Bromobenzene	12.52	156	99915	48.358	ug/l	98
78) n-propylbenzene	12.58	91	505283	48.804	ug/l	100
79) 2-Chlorotoluene	12.67	91	294984	48.579	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	359191	49.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	43633	44.297	ug/l	99
82) 4-Chlorotoluene	12.77	91	308308	48.955	ug/l	100
83) tert-Butylbenzene	12.99	119	299649	48.712	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	356906	49.363	ug/l	99
85) sec-Butylbenzene	13.17	105	410256	49.222	ug/l	99
86) p-Isopropyltoluene	13.28	119	363246	48.942	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	179272	48.687	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	177529	47.924	ug/l	100
89) n-Butylbenzene	13.61	91	339954	49.256	ug/l	99
90) Hexachloroethane	13.87	117	56885	49.956	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	172433	49.066	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25202	48.206	ug/l	98

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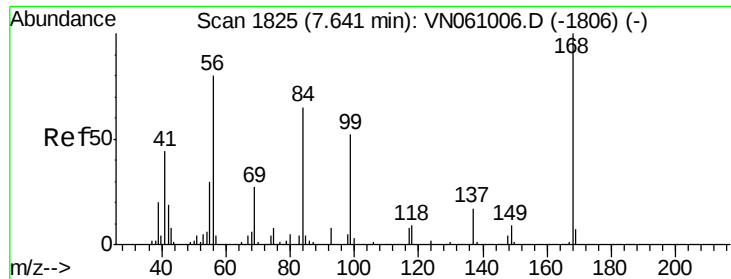
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	105828	50.877	ug/l	99
94) Hexachlorobutadiene	15.01	225	50908	47.575	ug/l	99
95) Naphthalene	15.13	128	308370	50.833	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	101632	50.700	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061116.D

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 151378

Ion Ratio Lower Upper

168 100

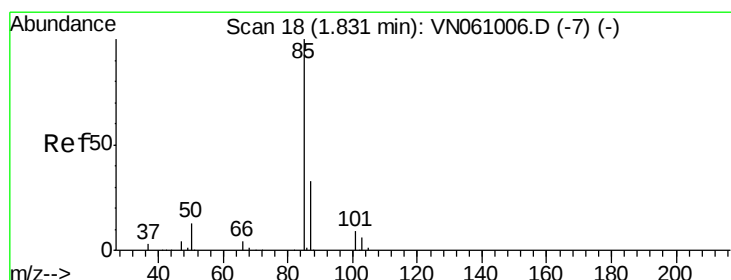
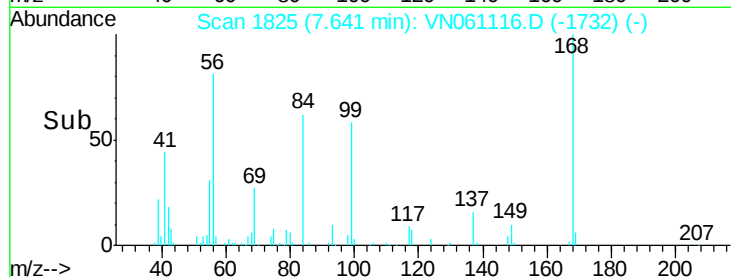
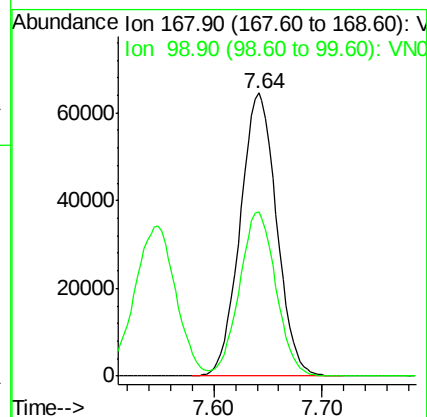
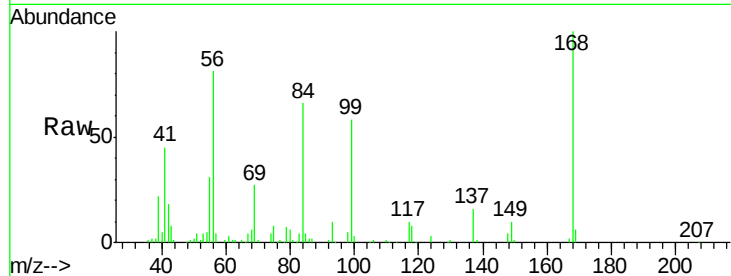
99 58.1 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.270 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061116.D

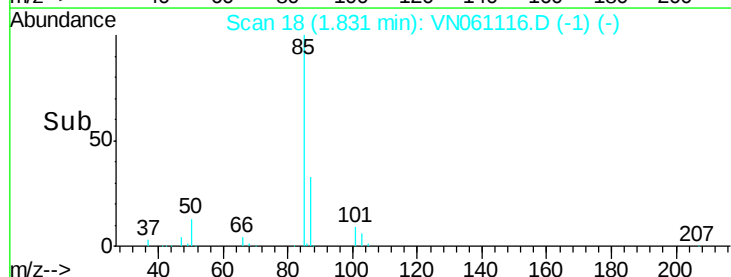
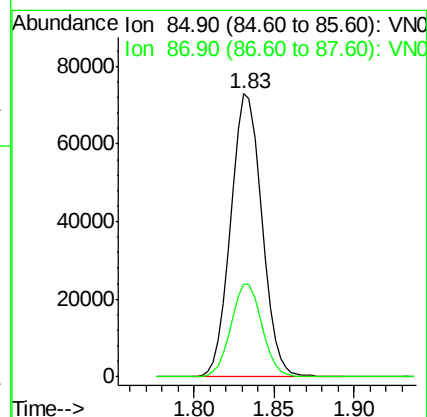
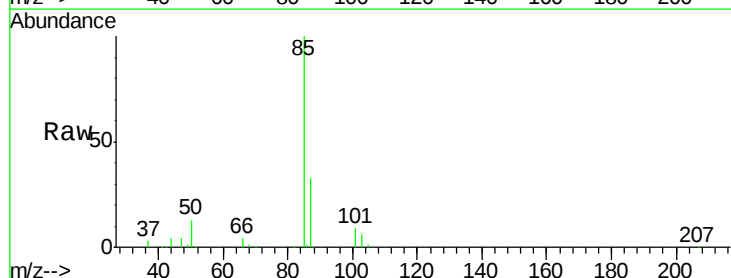
Acq: 20 Apr 2020 20:46

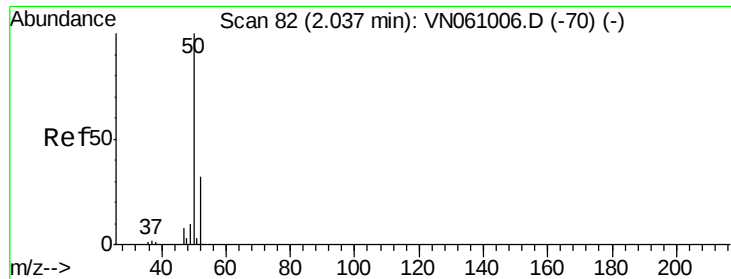
Tgt Ion: 85 Resp: 96555

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9





#3

Chloromethane

Concen: 48.328 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 129753

Ion Ratio Lower Upper

50 100

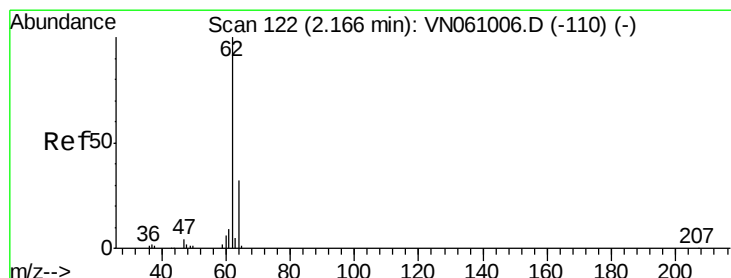
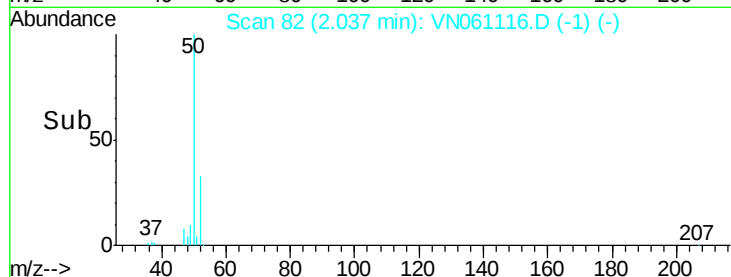
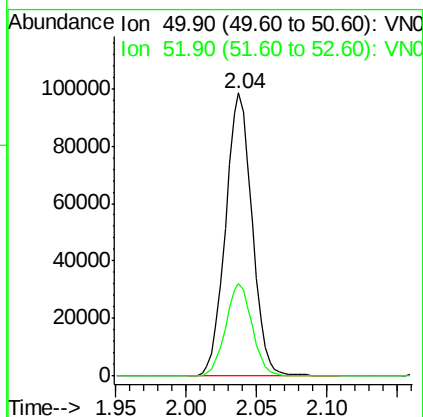
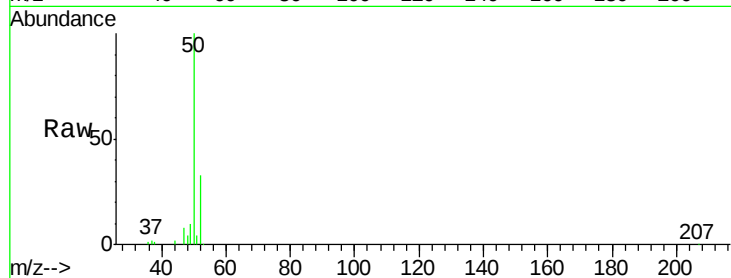
52 32.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.508 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061116.D

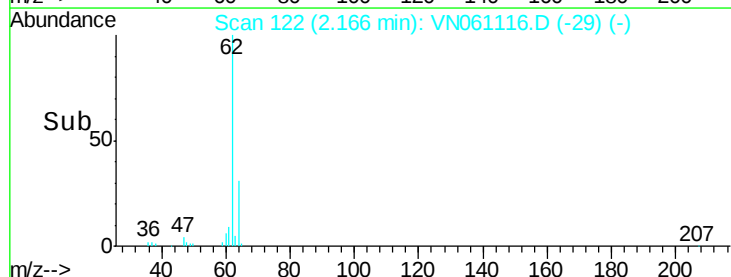
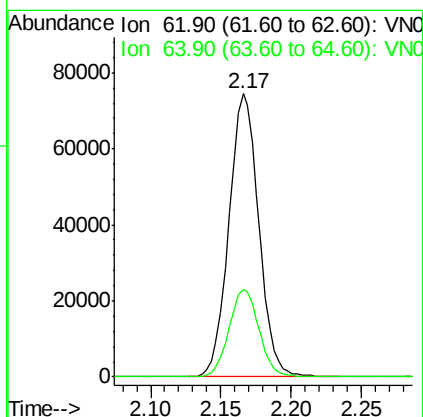
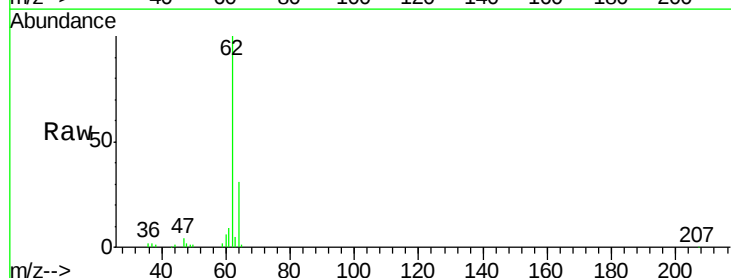
Acq: 20 Apr 2020 20:46

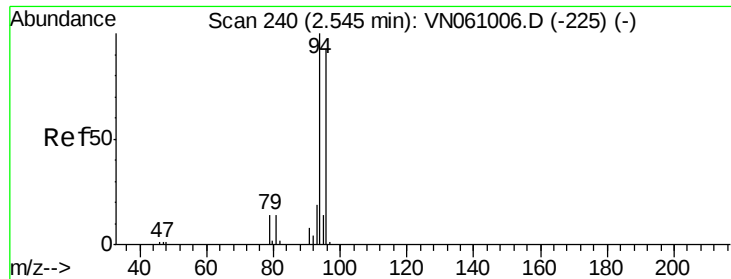
Tgt Ion: 62 Resp: 110460

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.0





#5

Bromomethane

Concen: 50.176 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

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Tot Ion: 94 Resp: 56141

Ion Ratio Lower Upper

94 100

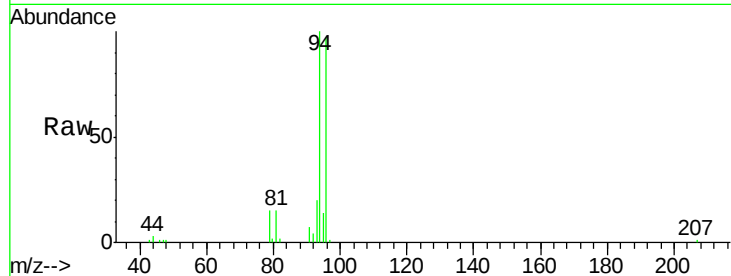
96 96.6 74.3 111.5

Manual Integrations

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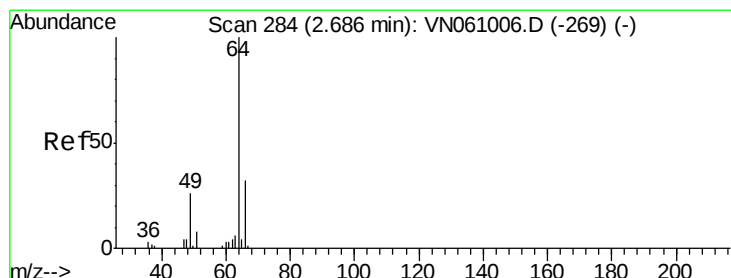
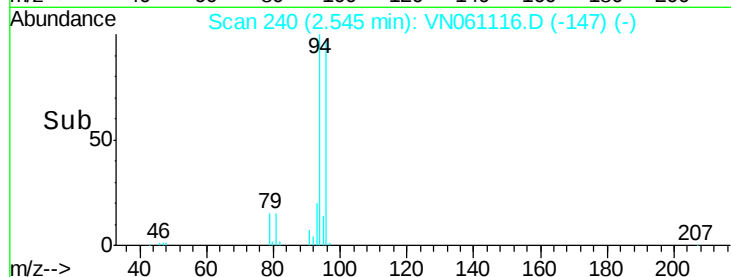
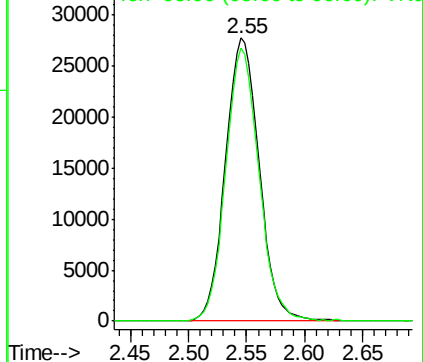
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 51.076 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061116.D

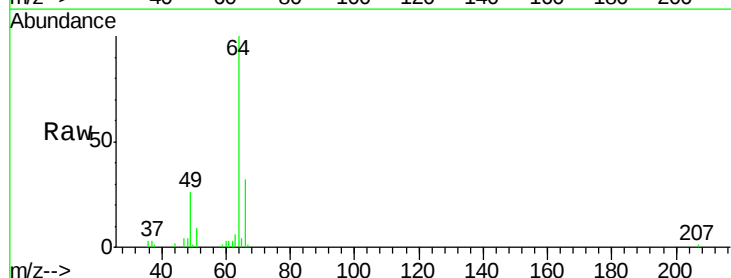
Acq: 20 Apr 2020 20:46

Tgt Ion: 64 Resp: 65737

Ion Ratio Lower Upper

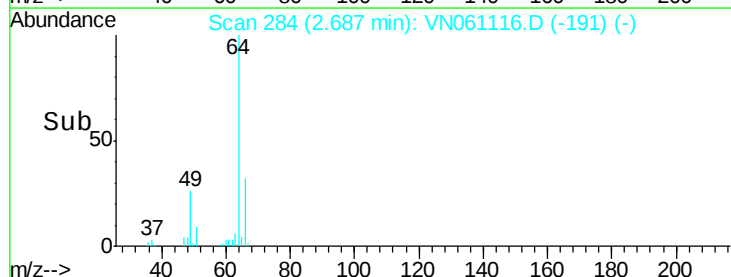
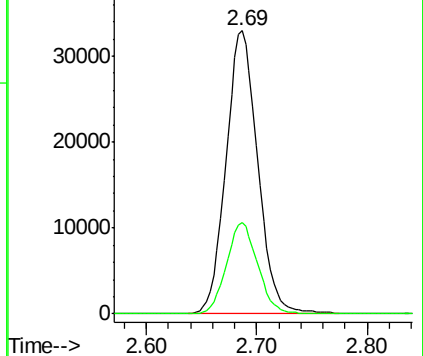
64 100

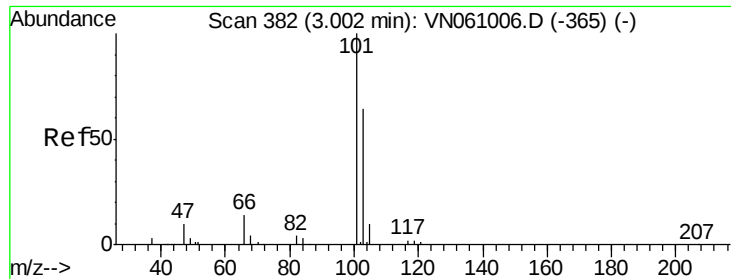
66 32.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

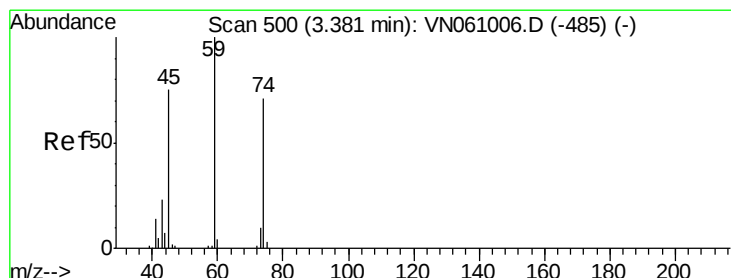
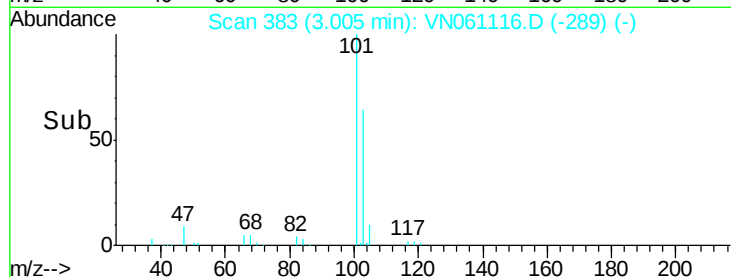
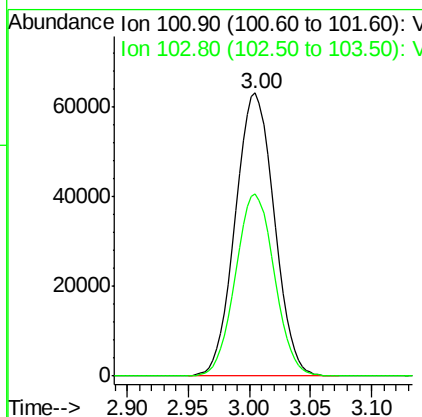
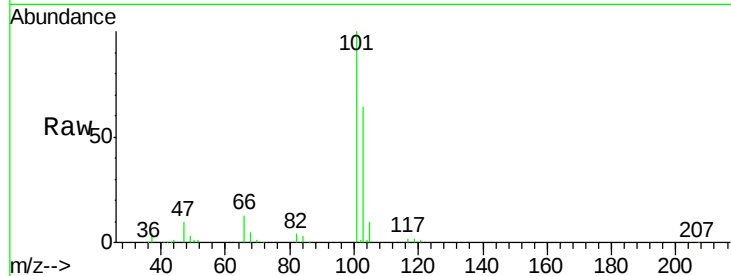
Trichlorofluoromethane
 Concen: 50.469 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

Manual Integrations
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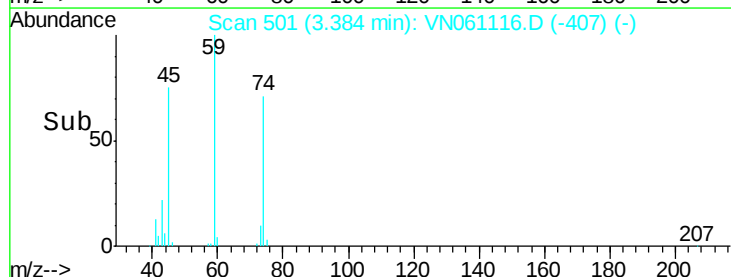
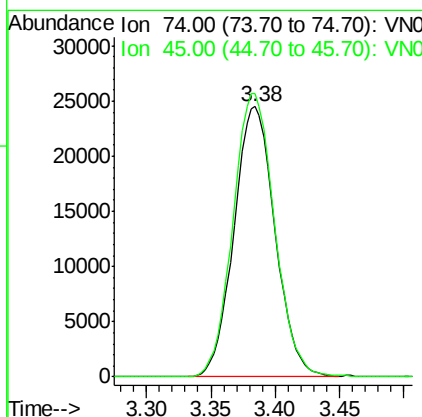
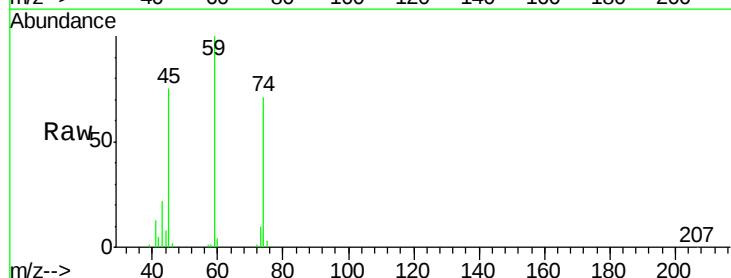
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 4/21/2020 12:02:35 PM

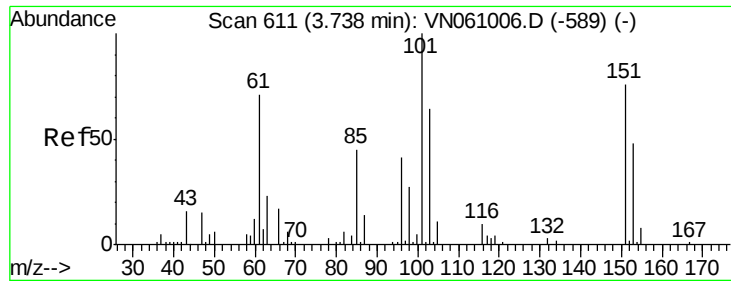


#8

Diethyl Ether
 Concen: 49.092 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	52.9	158.8





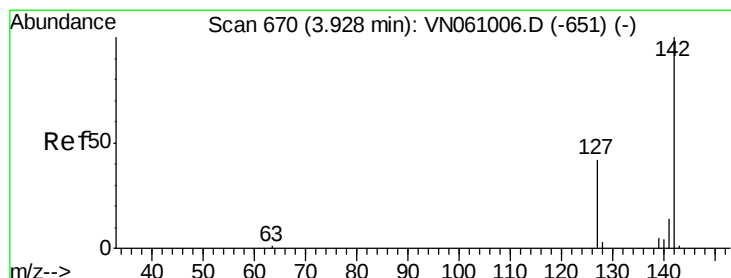
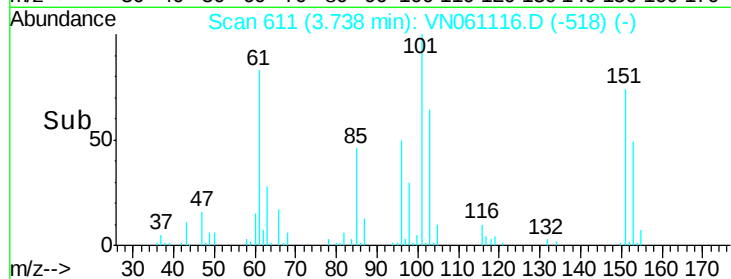
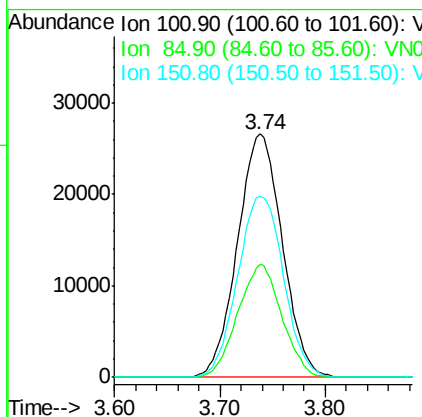
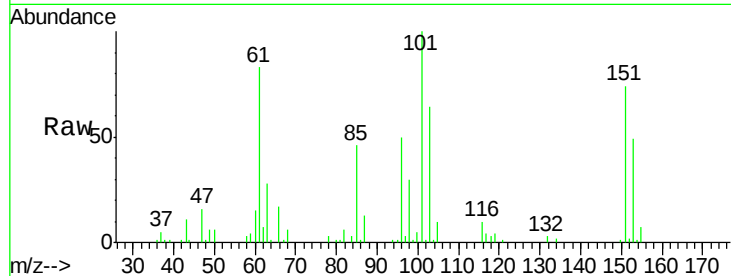
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.333 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.4	35.9	53.9
151	76.1	60.8	91.2

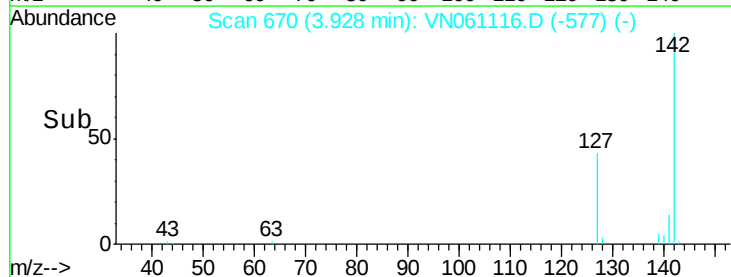
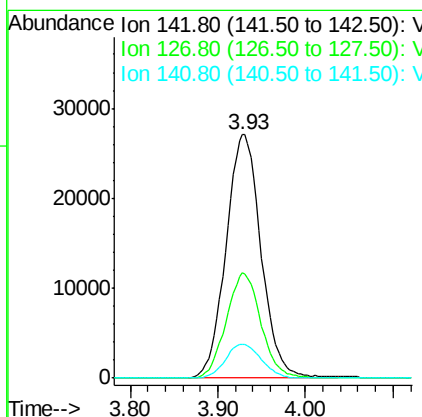
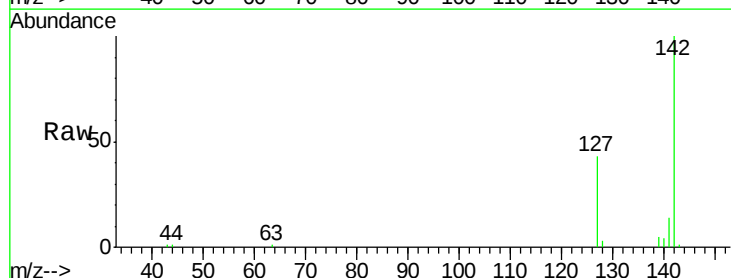
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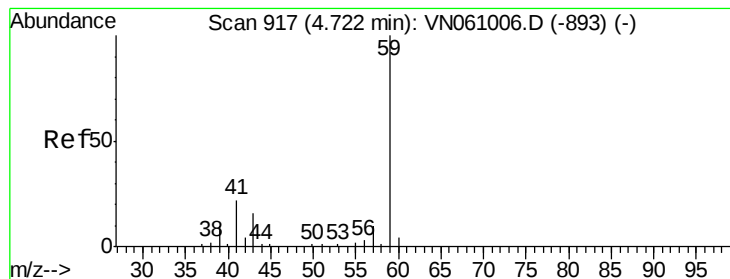
MMDadoda
 4/21/2020 12:02:35 PM



#10
 Methyl Iodide
 Concen: 52.355 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.7	33.4	50.2
141	14.1	11.0	16.6





#11

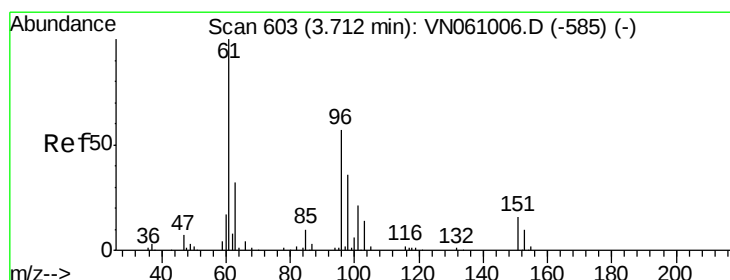
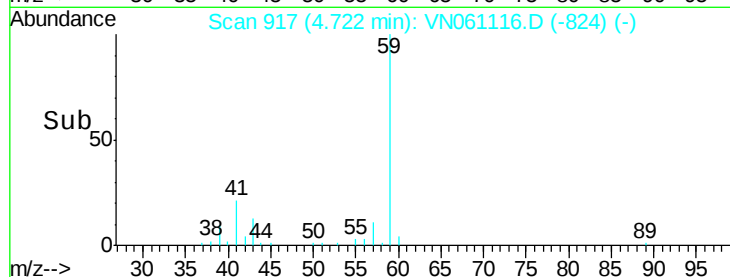
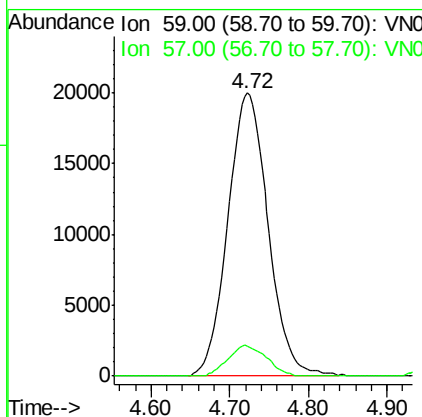
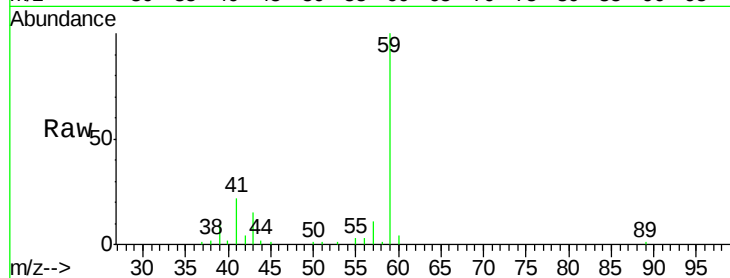
Tert butyl alcohol
 Concen: 207.650 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

Manual Integrations
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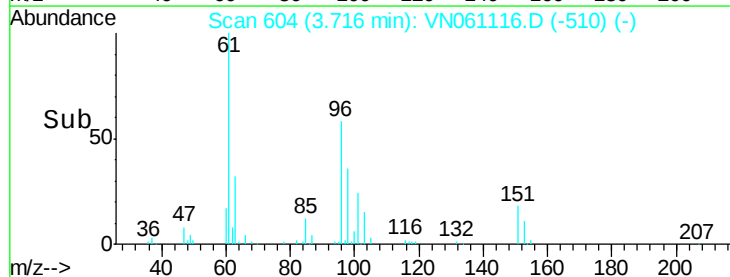
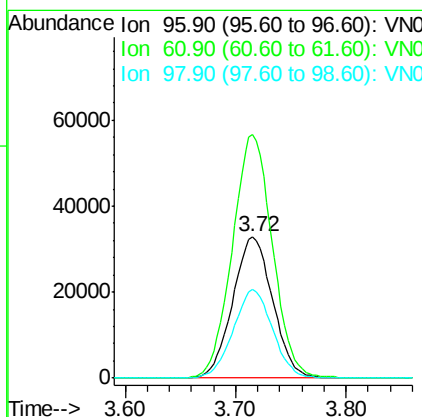
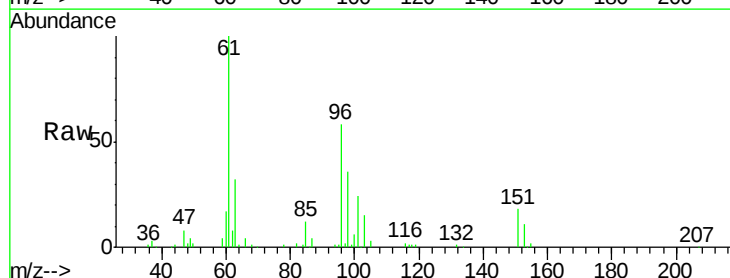
MMDadoda
 4/21/2020 12:02:35 PM

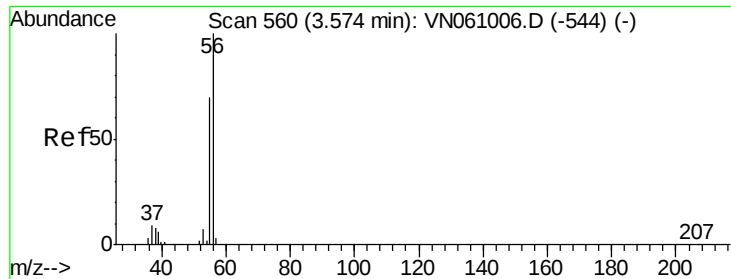


#12

1,1-Dichloroethene
 Concen: 49.830 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	139.2	208.8
98	62.3	50.0	75.0





#13

Acrolein

Concen: 231.265 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67101

Ion Ratio Lower Upper

56 100

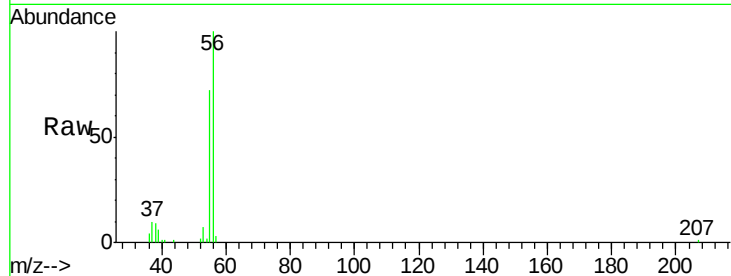
55 72.1 57.0 85.6

Manual Integrations

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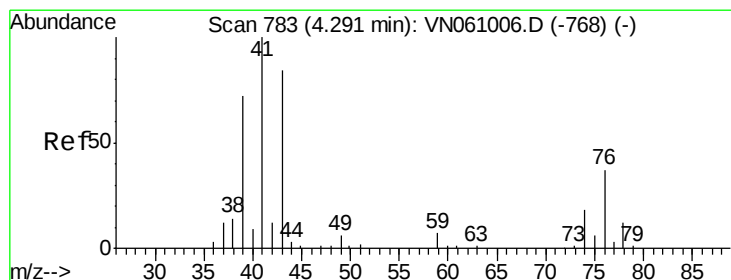
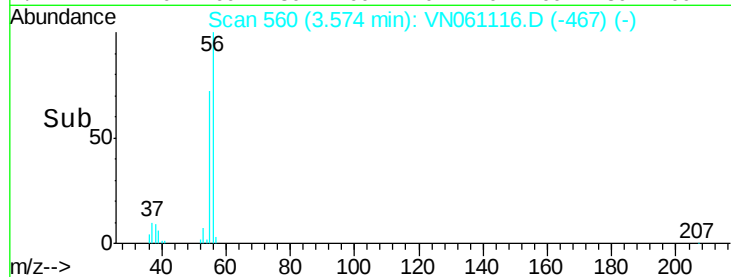
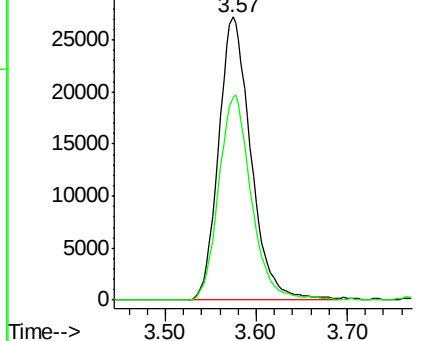
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.705 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

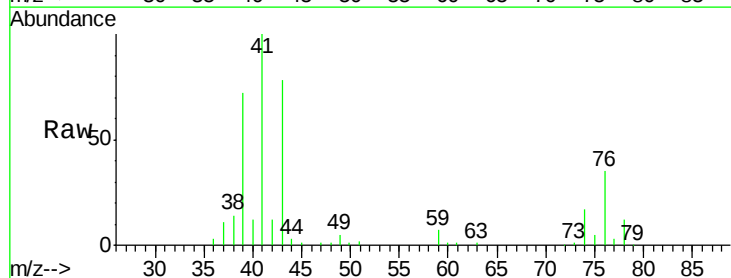
Tgt Ion: 41 Resp: 146389

Ion Ratio Lower Upper

41 100

39 71.9 56.3 84.5

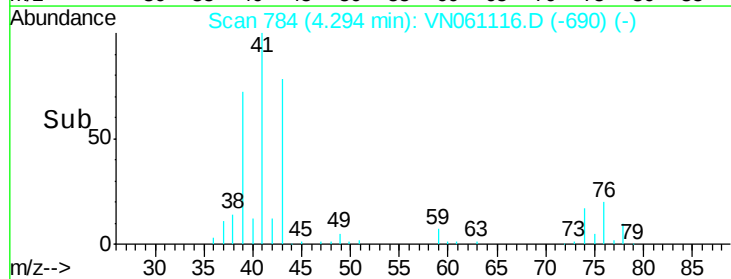
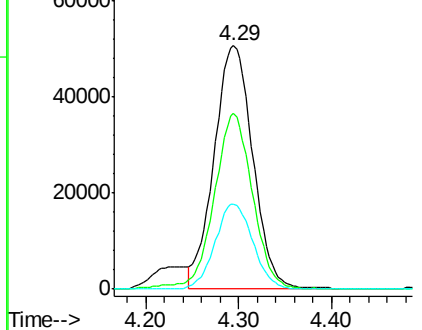
76 34.1 27.7 41.5

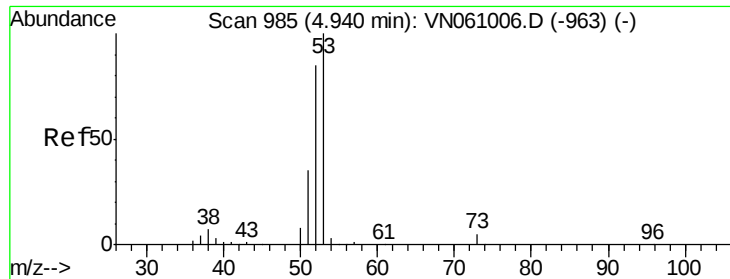


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 246.170 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

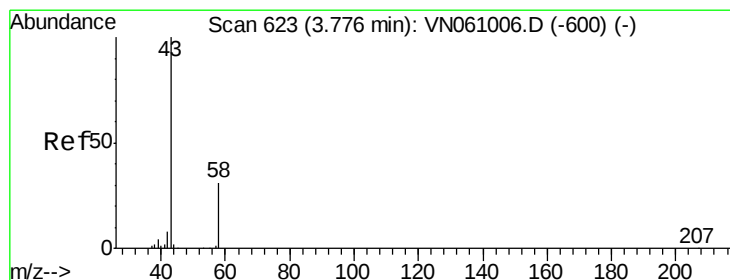
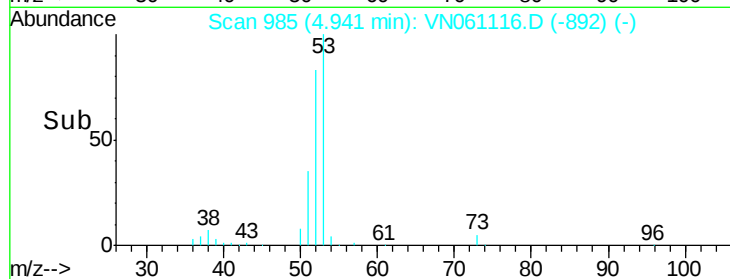
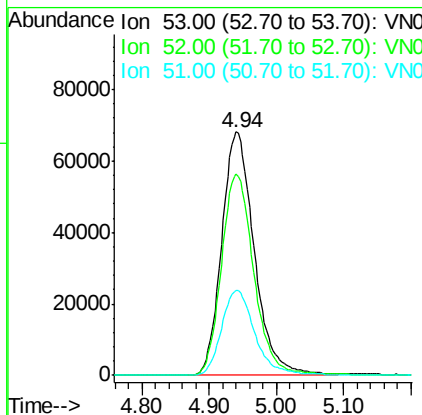
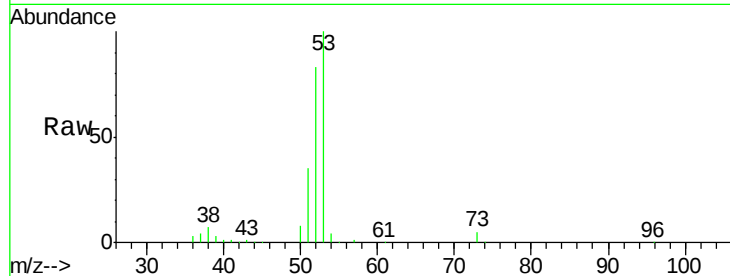
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	229363
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.8	100.2
51	35.9	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 212.861 ug/l

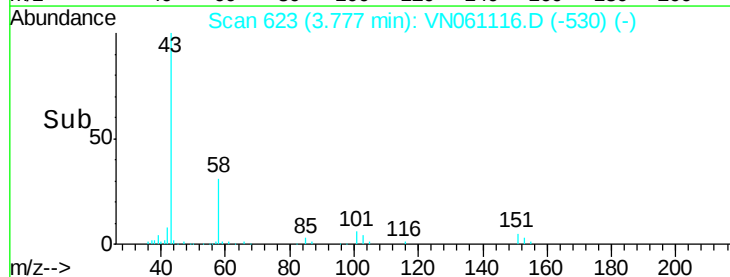
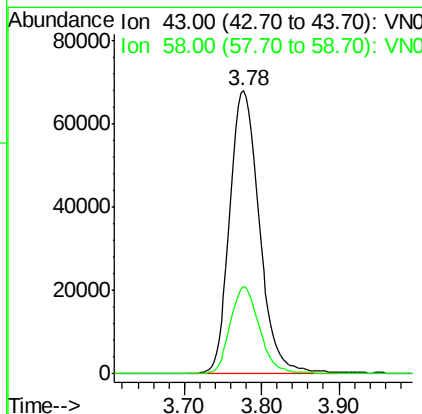
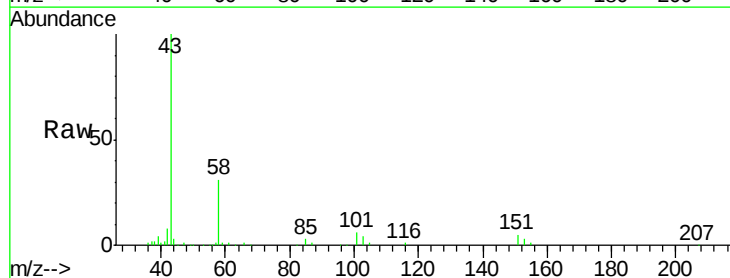
RT: 3.78 min Scan# 623

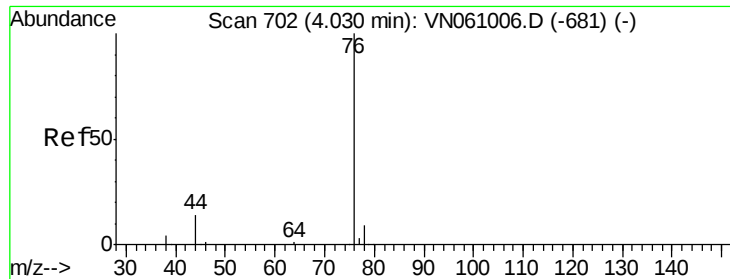
Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Tgt Ion:	43	Resp:	181459
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.6	37.0





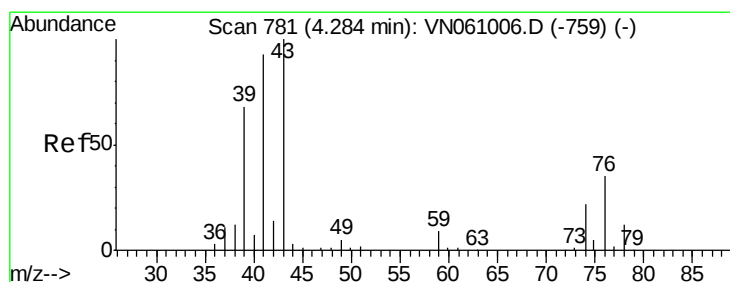
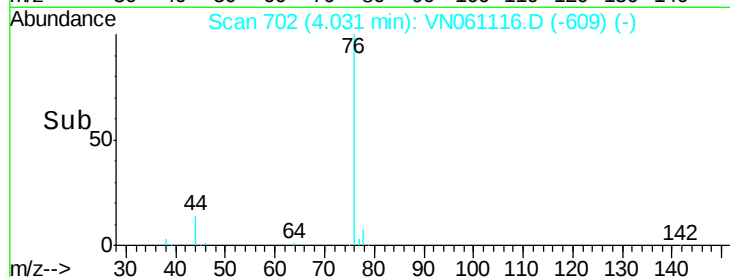
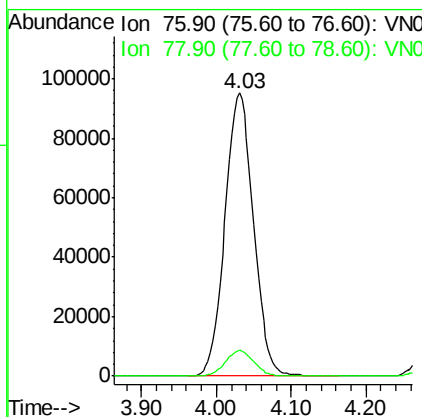
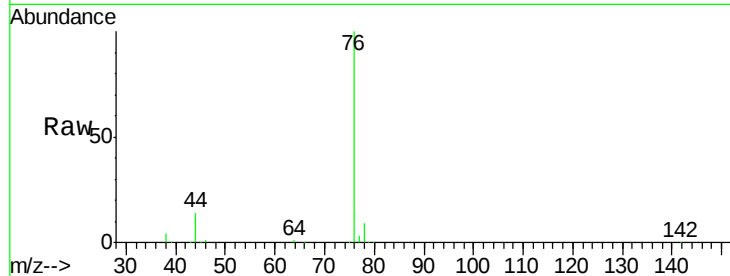
#17
Carbon Disulfide
Concen: 48.457 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

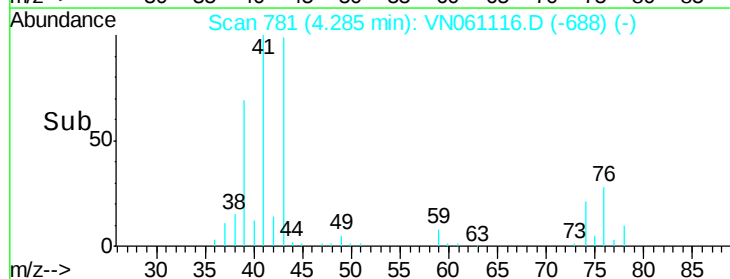
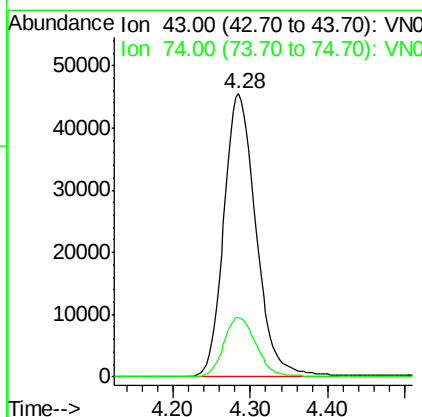
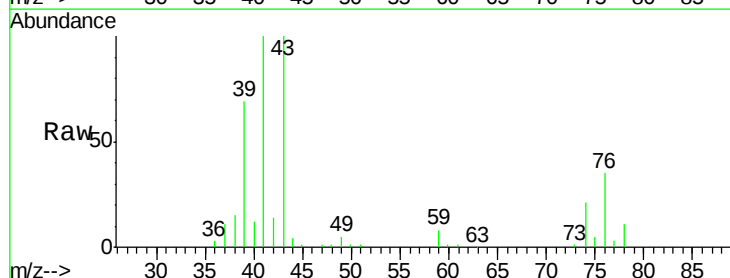
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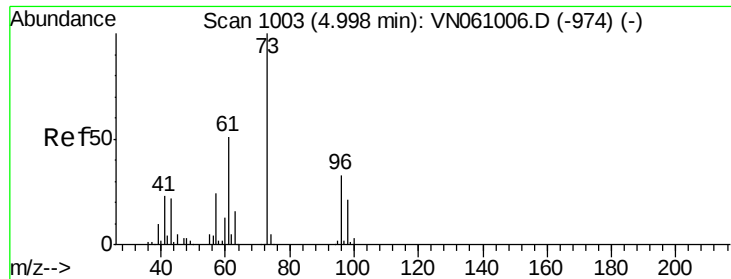
MMDadoda
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#18
Methyl Acetate
Concen: 49.174 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.4	26.0





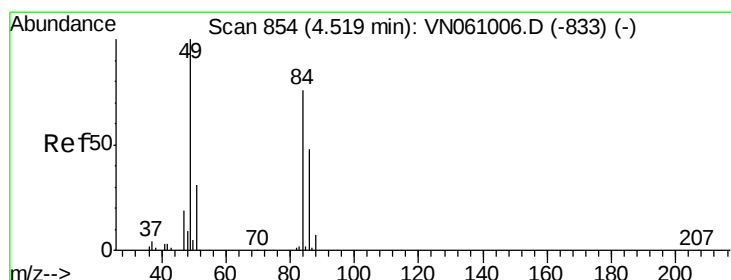
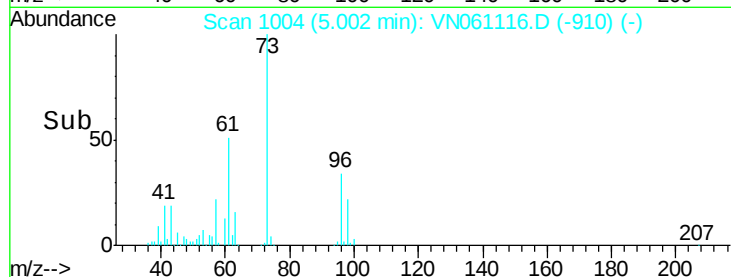
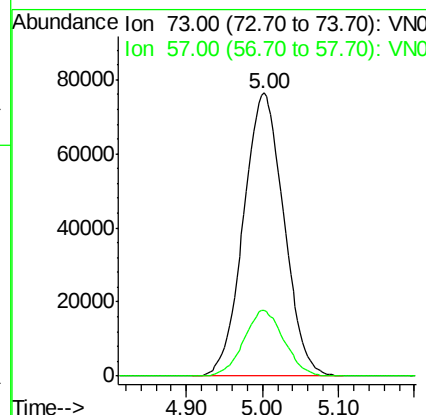
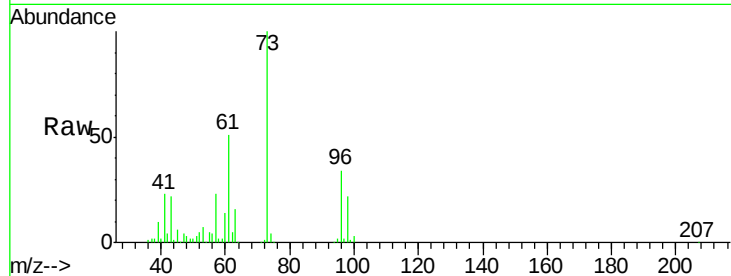
#19
Methvl tert-butvl Ether
Concen: 48.801 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 281881
Ion Ratio Lower Upper
73 100
57 23.4 19.0 28.4

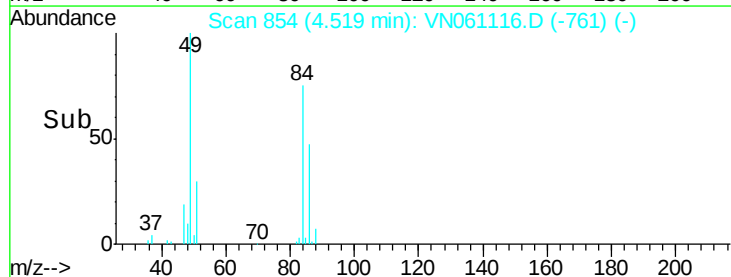
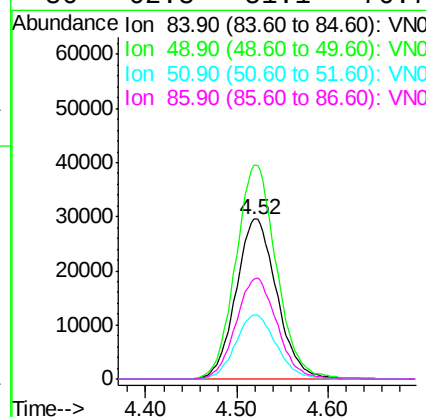
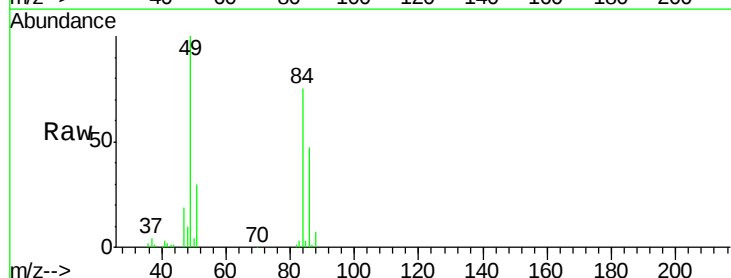
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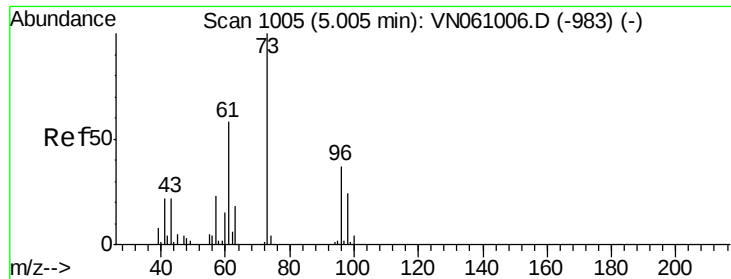
MMDadoda
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#20
Methylene Chloride
Concen: 49.402 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 84 Resp: 91949
Ion Ratio Lower Upper
84 100
49 133.9 105.8 158.6
51 40.5 32.4 48.6
86 62.8 51.1 76.7





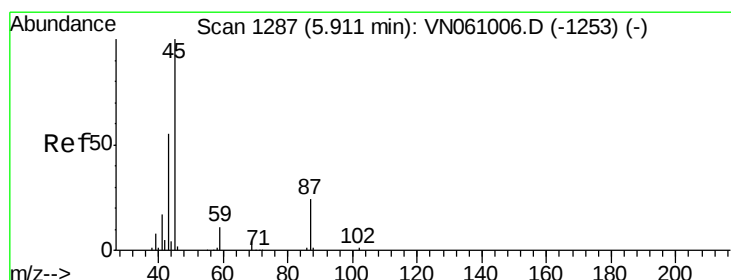
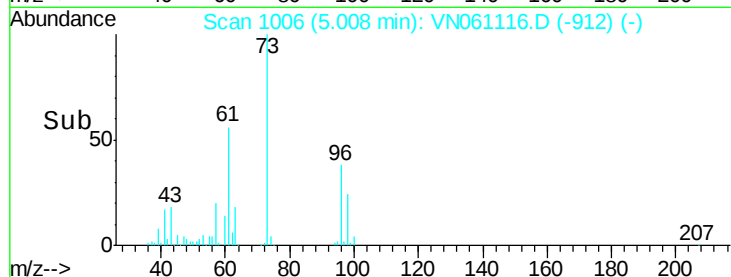
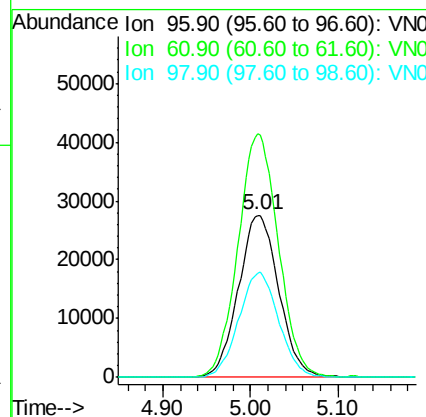
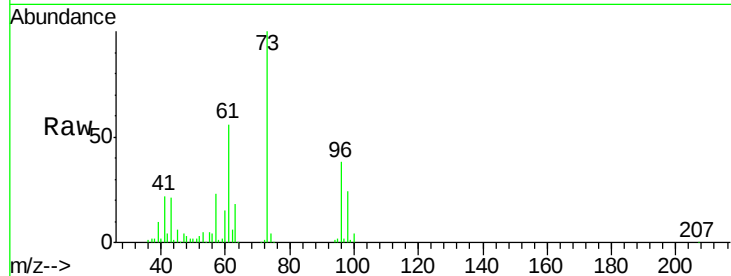
#21
trans-1,2-Dichloroethene
Concen: 49.731 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	124.8	187.2
98	64.1	51.3	76.9

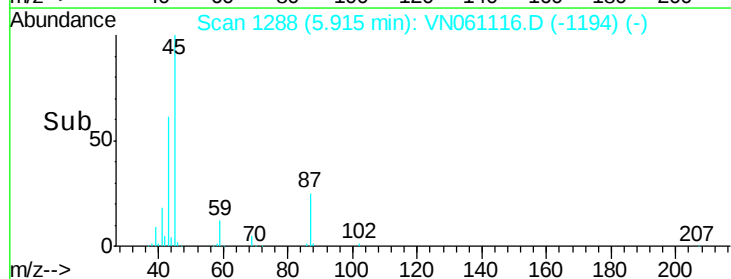
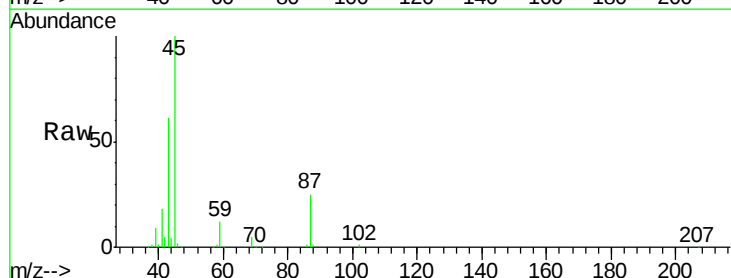
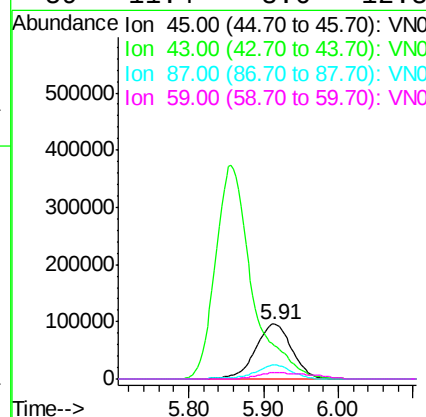
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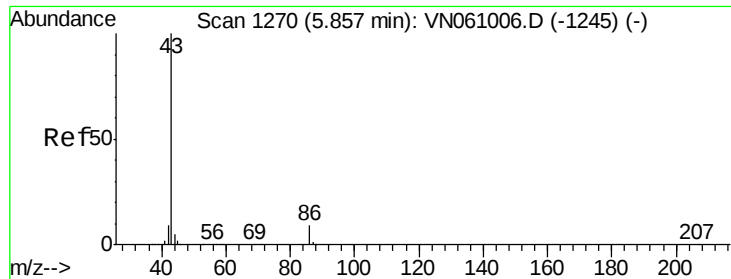
MMDadoda
4/21/2020 12:02:35 PM



#22
Diisopropyl ether
Concen: 50.150 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	48.6	72.8
87	25.3	19.4	29.2
59	11.4	8.6	12.8





#23

Vinyl Acetate

Concen: 248.363 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1267820

Ion Ratio Lower Upper

43 100

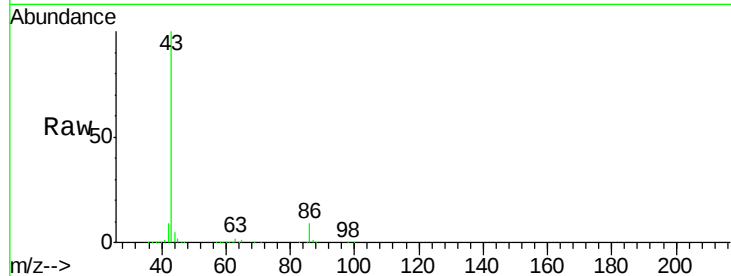
86 9.1 7.3 10.9

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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

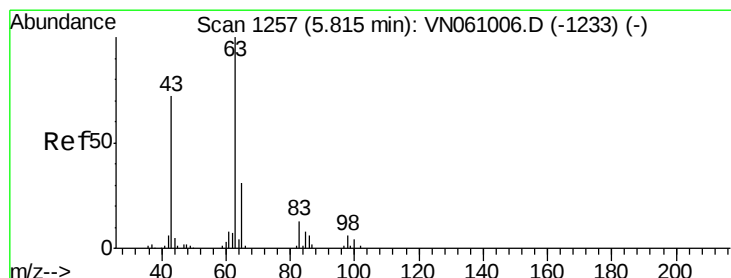
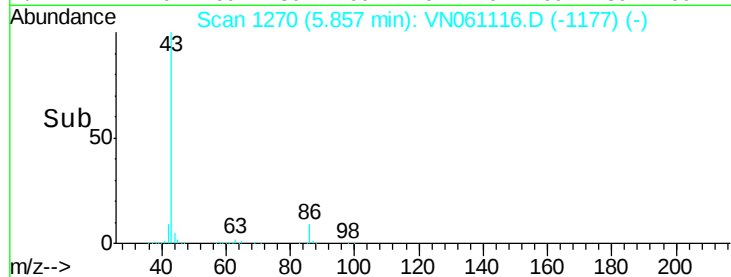
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.423 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

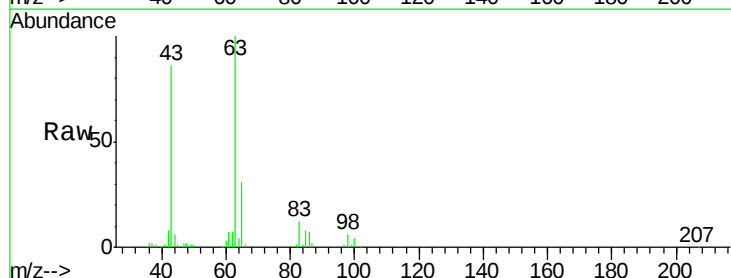
Tgt Ion: 63 Resp: 173765

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.6 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

5.82

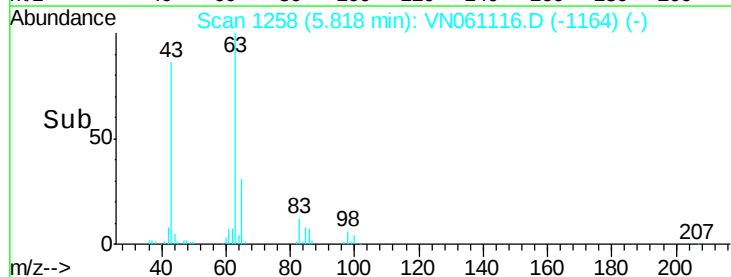
60000

40000

20000

0

Time-->





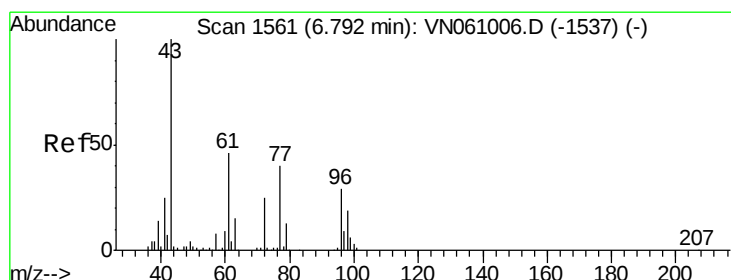
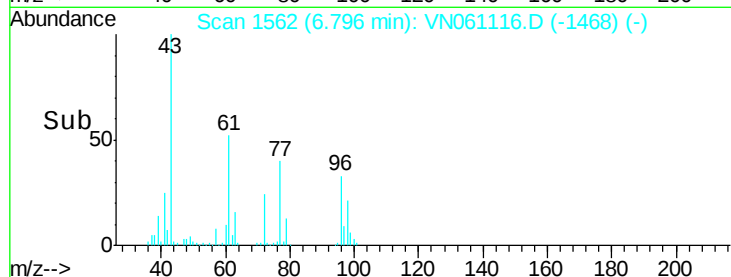
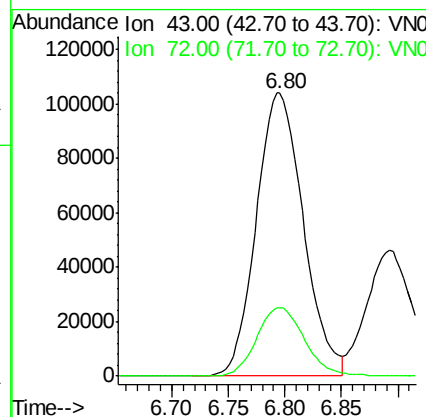
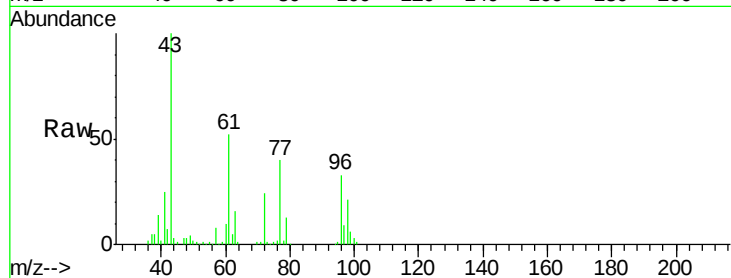
#25
 2-Butanone
 Concen: 229.644 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 299986
 Ion Ratio Lower Upper
 43 100
 72 24.4 19.6 29.4

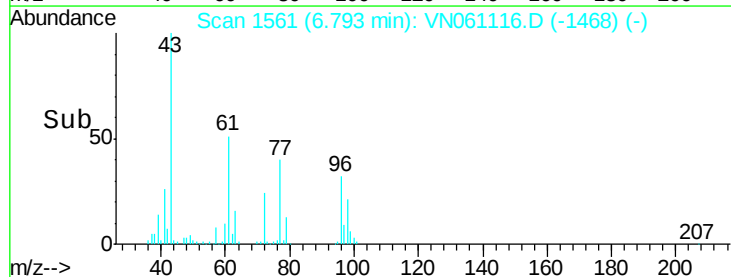
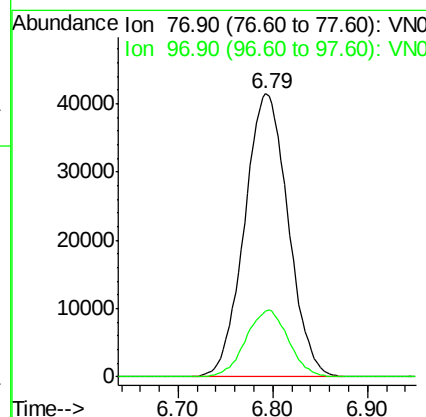
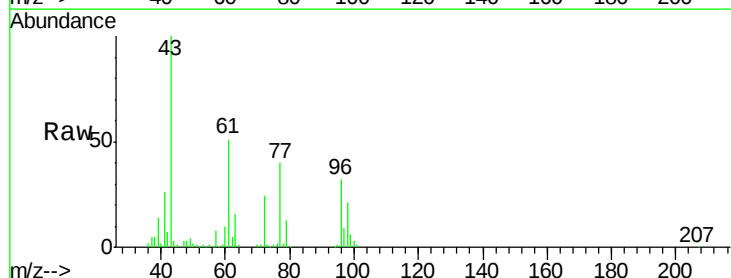
Manual Integrations
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 4/21/2020 12:02:35 PM



#26
 2,2-Dichloropropane
 Concen: 45.379 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion: 77 Resp: 132843
 Ion Ratio Lower Upper
 77 100
 97 22.9 11.2 33.6





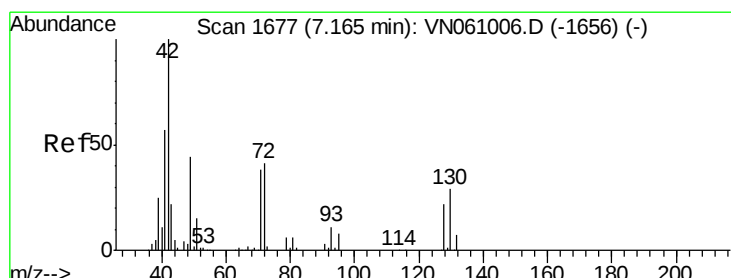
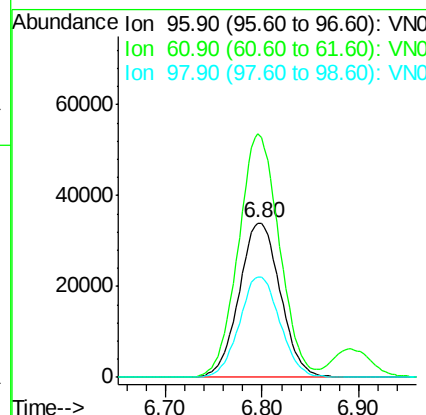
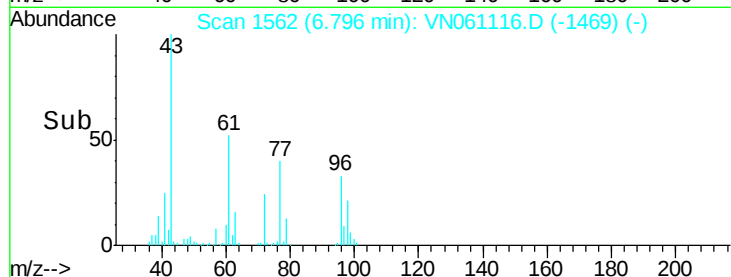
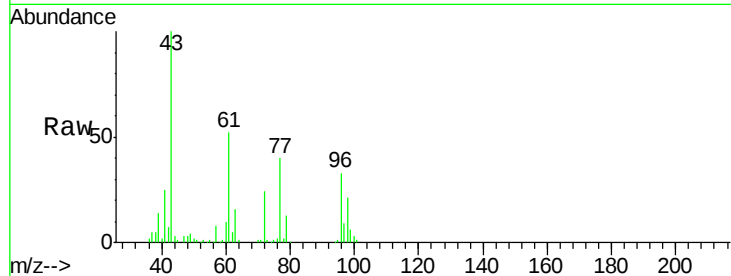
#27
 cis-1,2-Dichloroethene
 Concen: 49.533 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.7	0.0	317.4	
98	64.0	0.0	127.8	

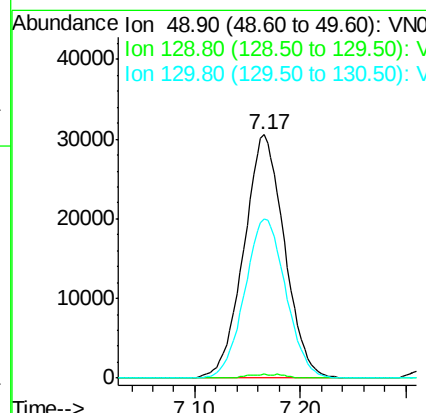
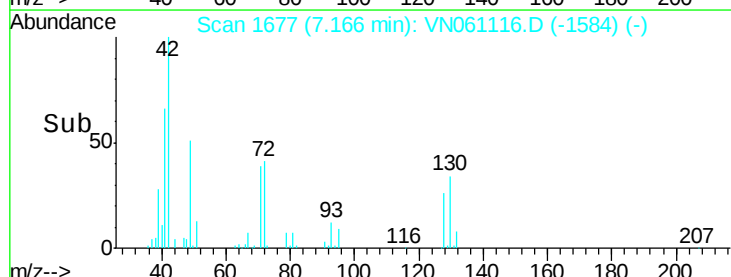
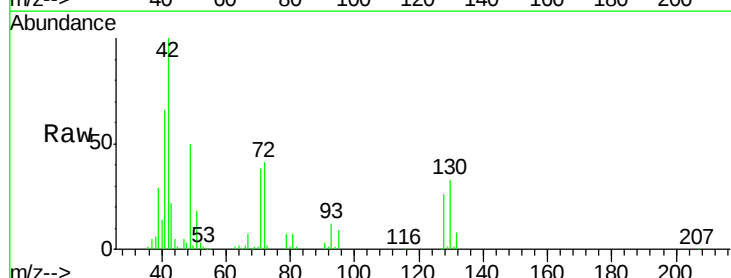
Manual Integrations
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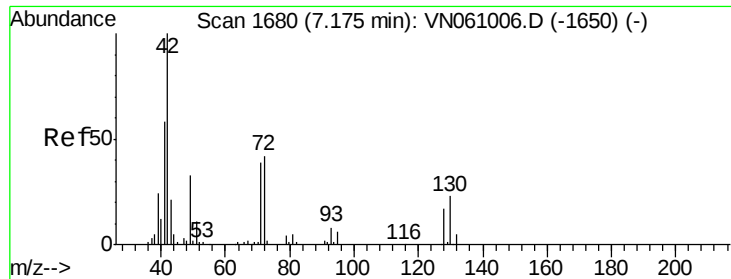
MMDadoda
 4/21/2020 12:02:35 PM



#28
 Bromochloromethane
 Concen: 50.677 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	3.0	
130	66.0	52.9	79.3	





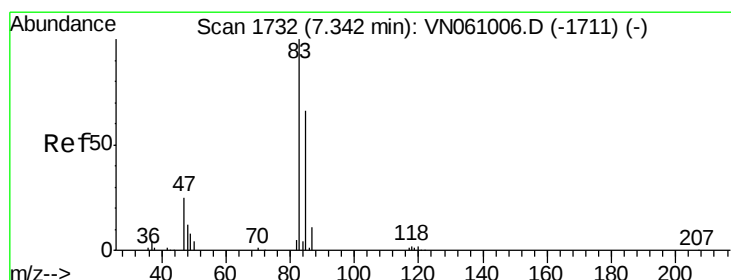
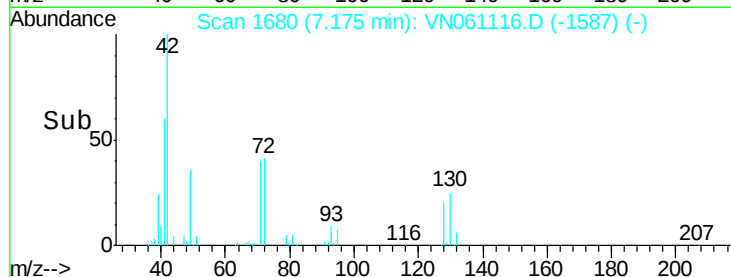
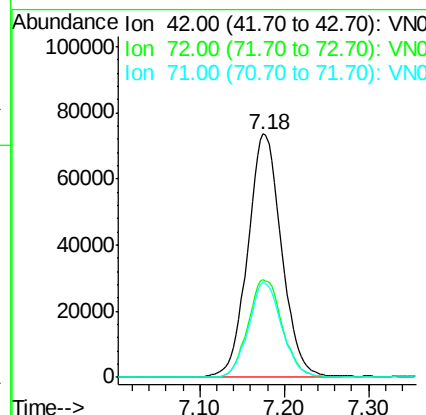
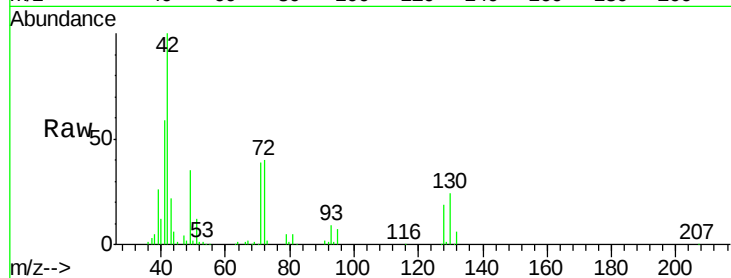
#29
Tetrahydrofuran
Concen: 231.509 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.1	48.1
71	38.4	30.5	45.7

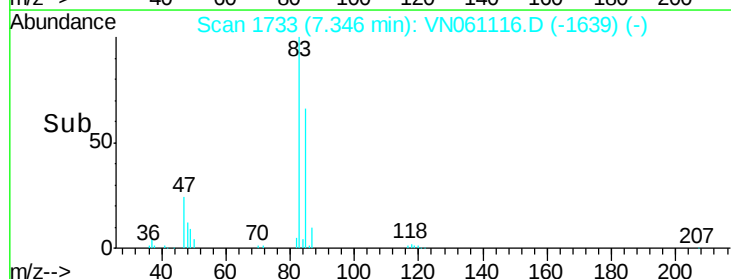
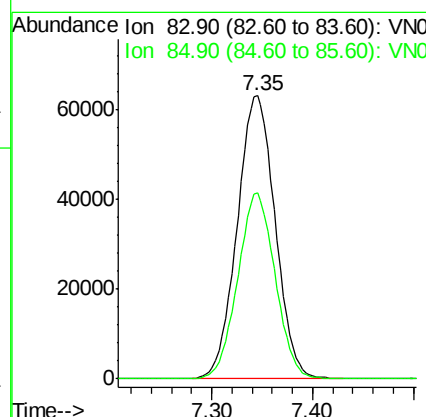
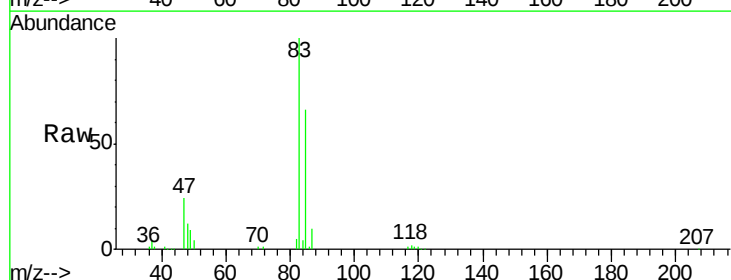
Manual Integrations
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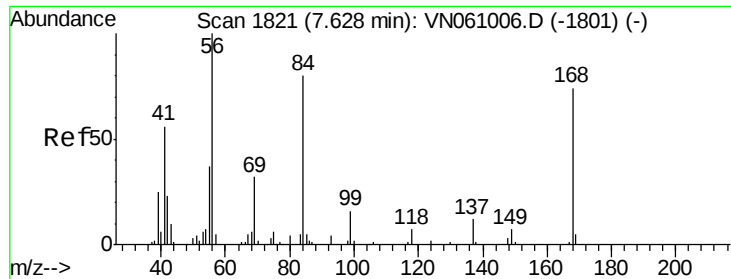
MMDadoda
4/21/2020 12:02:35 PM



#30
Chloroform
Concen: 50.327 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2





#31

Cyclohexane

Concen: 46.413 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 56 Resp: 167450

Ion Ratio Lower Upper

56 100

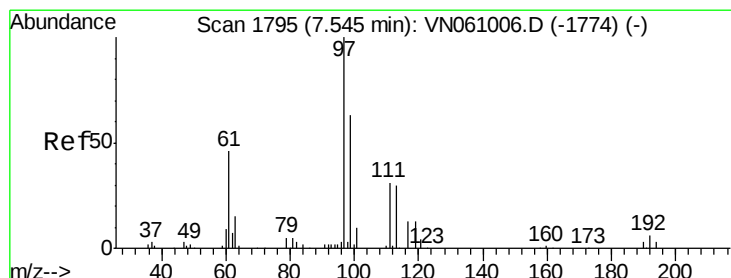
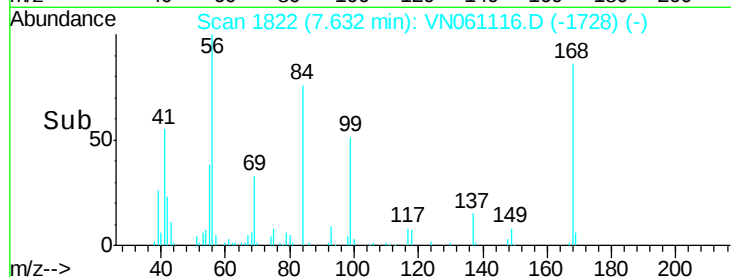
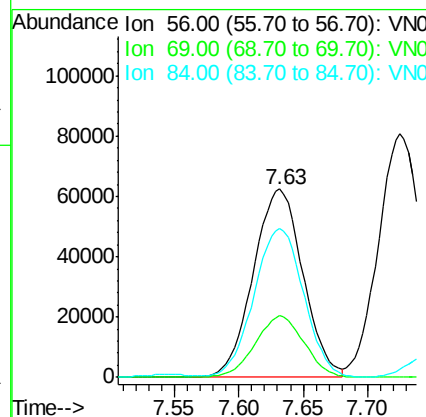
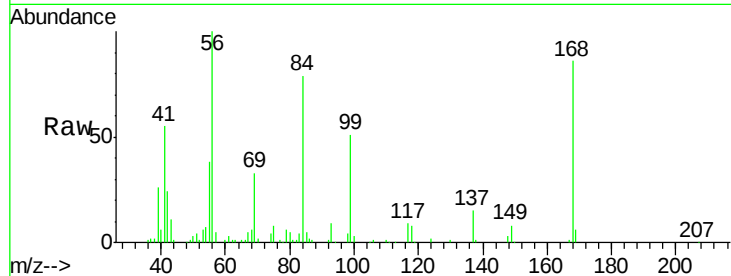
69 32.6 25.6 38.4

84 78.2 63.4 95.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.834 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

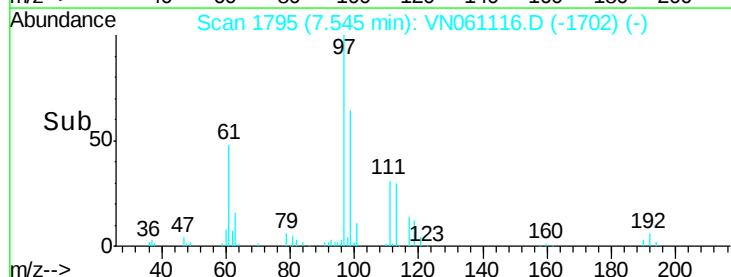
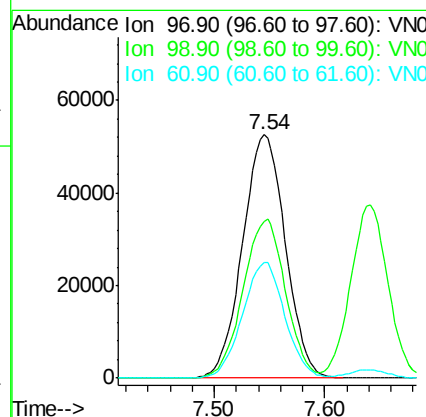
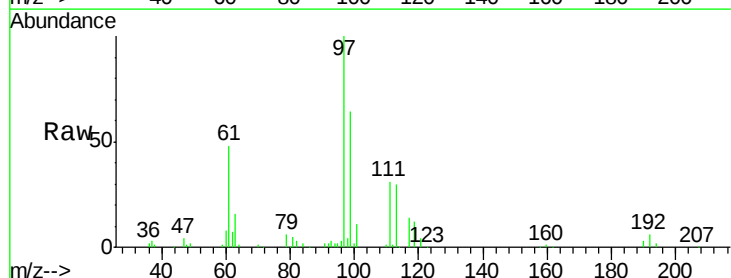
Tgt Ion: 97 Resp: 141355

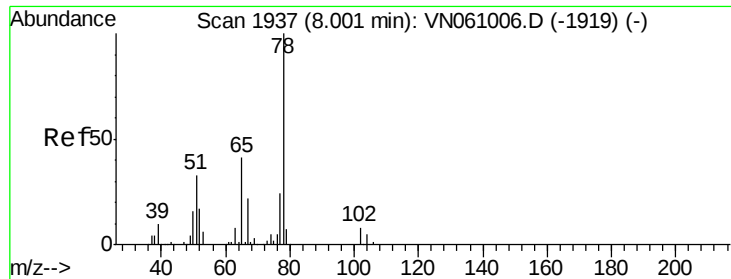
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 46.9 37.0 55.6





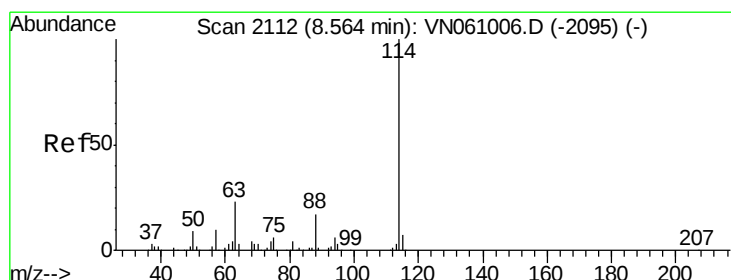
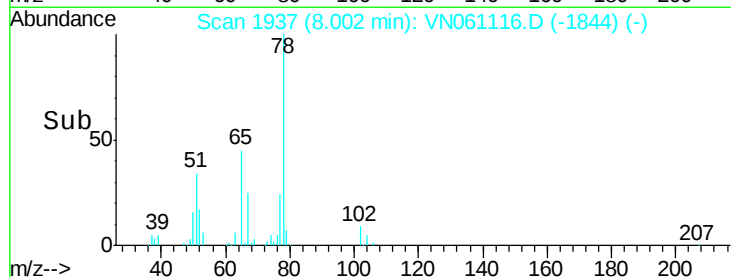
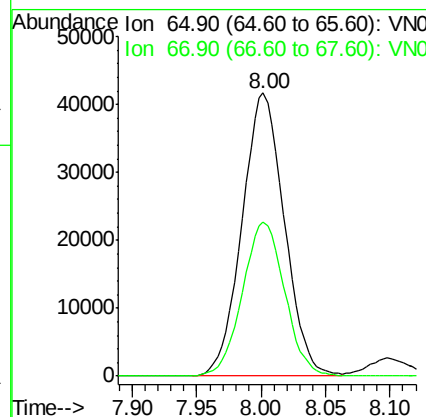
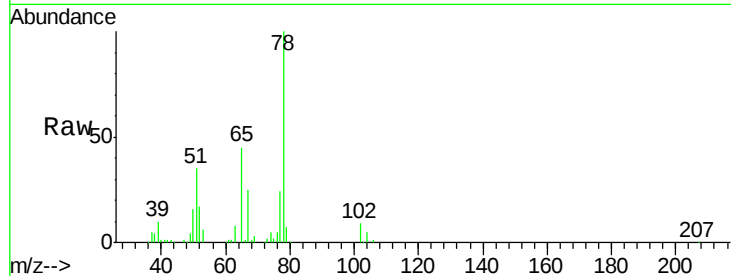
#33
 1,2-Dichloroethane-d4
 Concen: 49.223 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95335		
67	54.2	0.0	107.0	

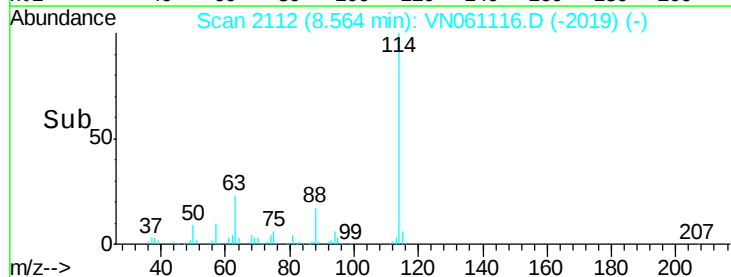
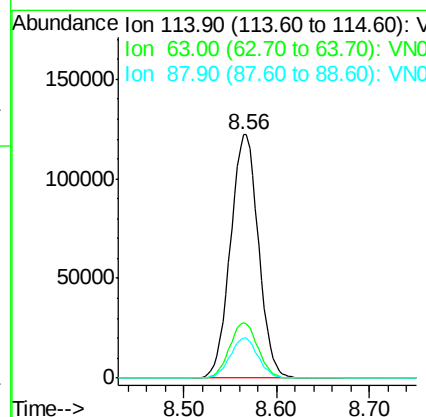
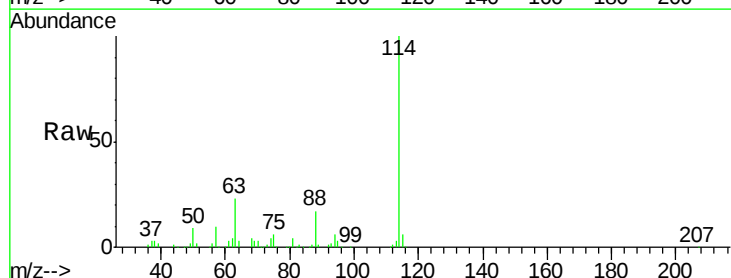
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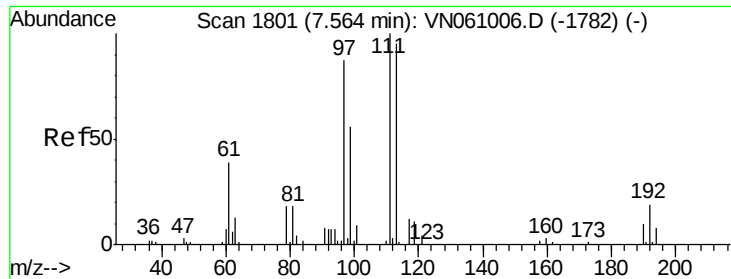
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	255752		
63	22.8	0.0	46.2	
88	16.6	0.0	33.4	





#35

Dibromofluoromethane

Concen: 50.161 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 74918

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

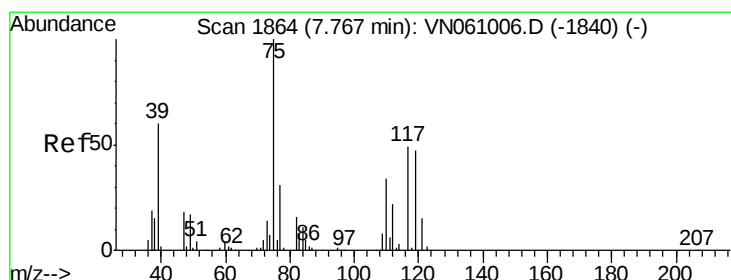
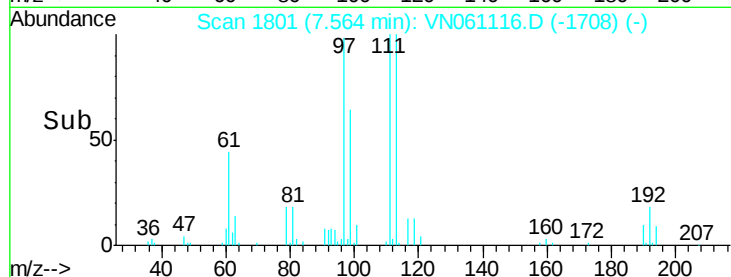
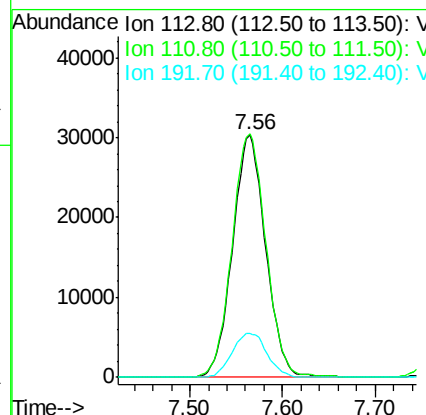
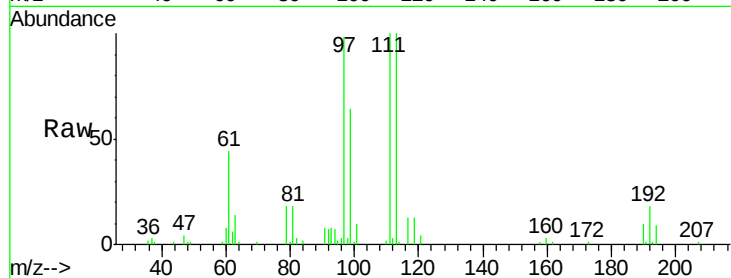
192 19.0 15.5 23.3

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 49.591 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

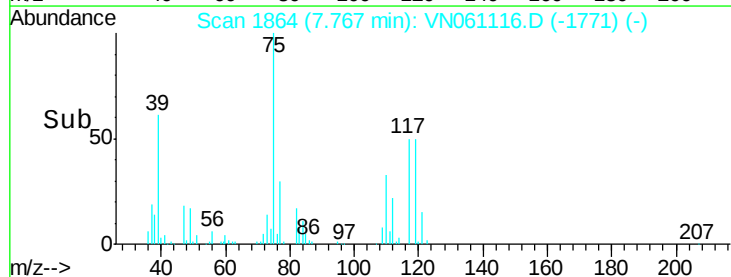
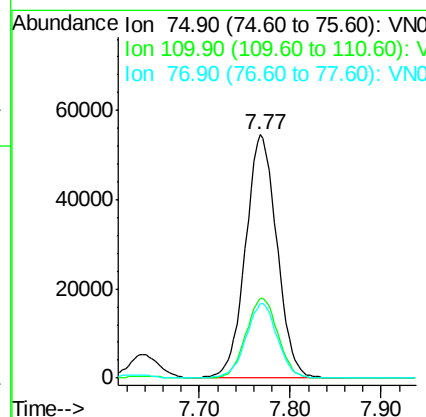
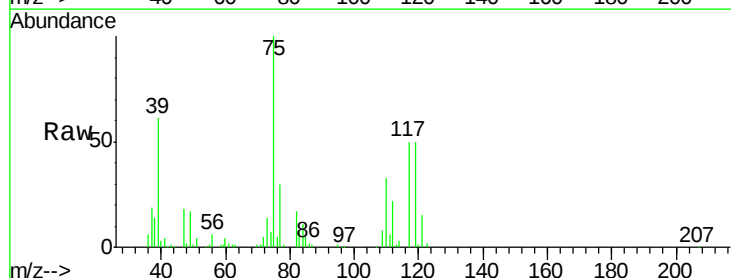
Tgt Ion: 75 Resp: 130878

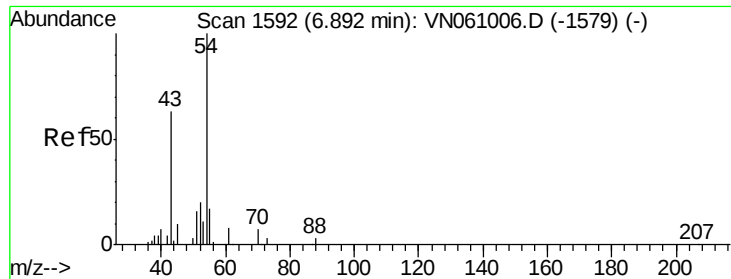
Ion Ratio Lower Upper

75 100

110 33.3 16.8 50.3

77 30.7 24.7 37.1





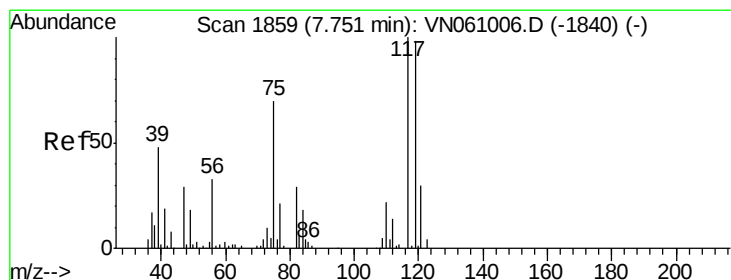
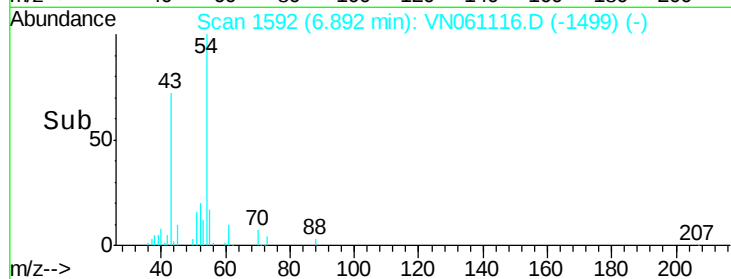
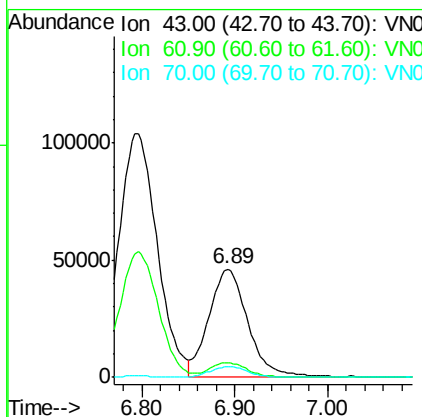
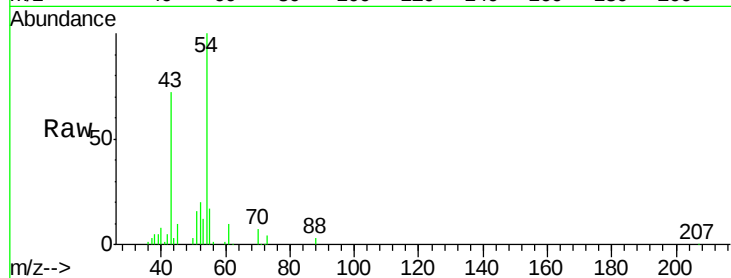
#37
Ethyl Acetate
Concen: 46.479 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	9.5	7.7	11.5

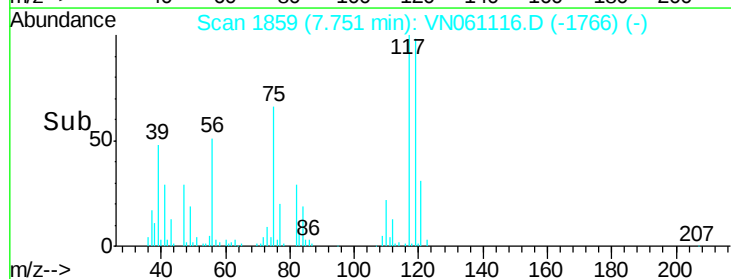
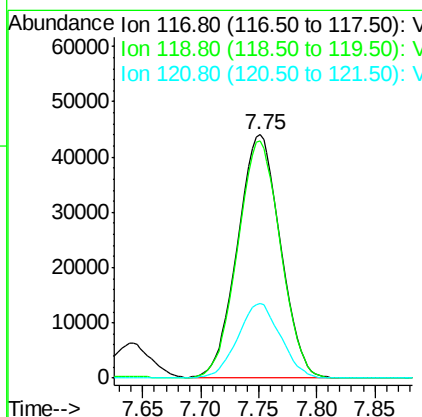
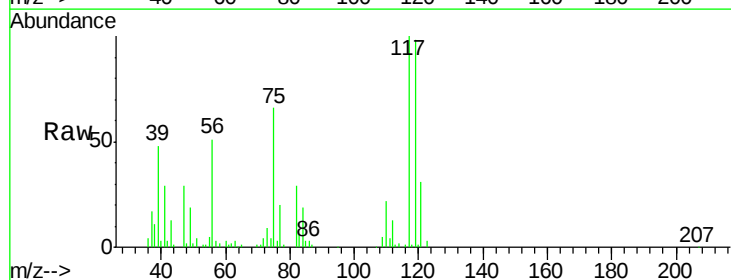
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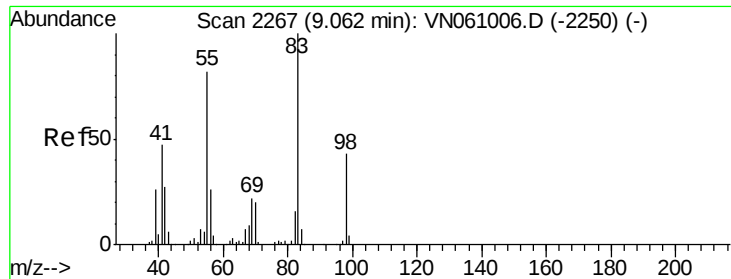
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.567 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.1	117.1
121	30.7	24.0	36.0





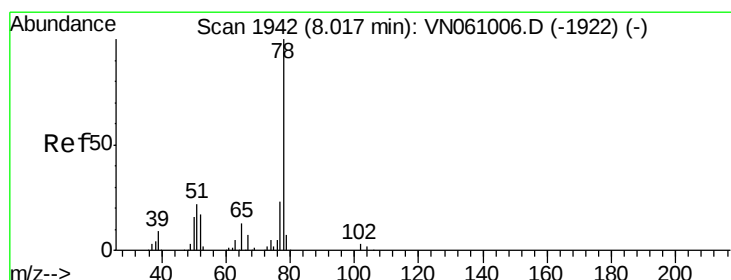
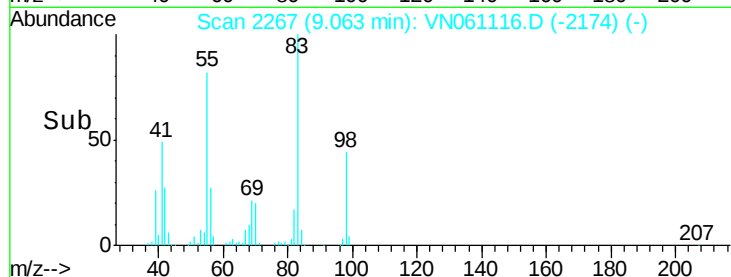
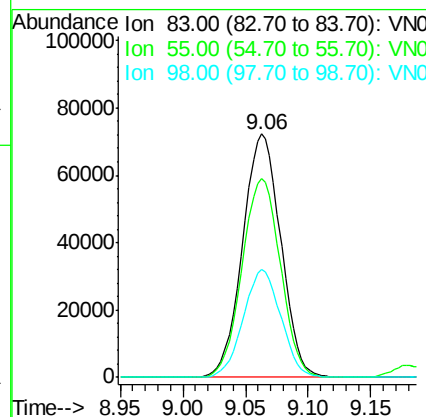
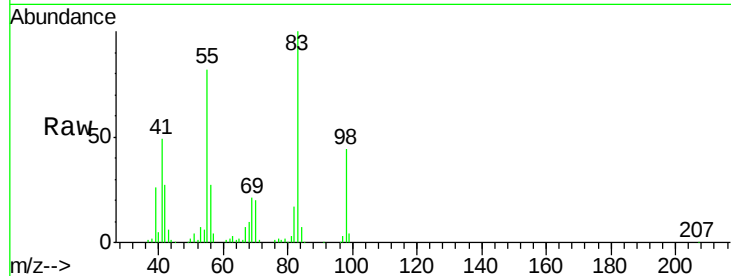
#39
Methvlcvclohexane
Concen: 48.438 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	152833		
55	81.7		65.4	98.0
98	44.2		34.6	51.8

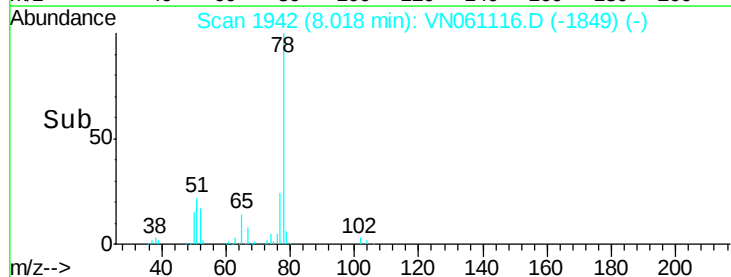
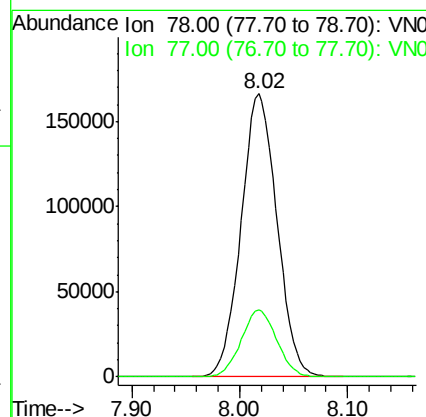
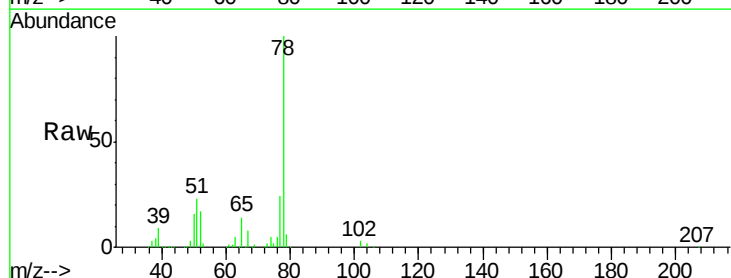
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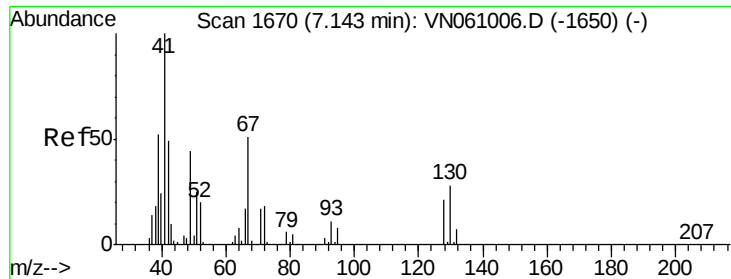
MMDadoda
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#40
Benzene
Concen: 49.147 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	384793		
77	23.7		18.8	28.2





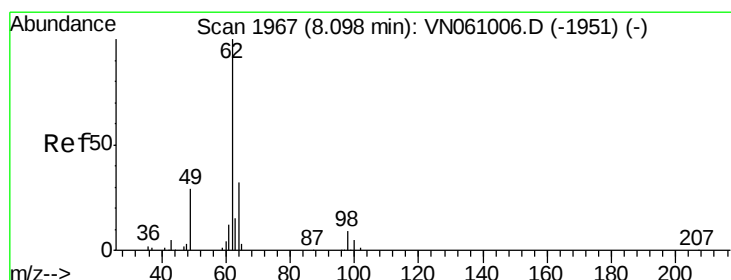
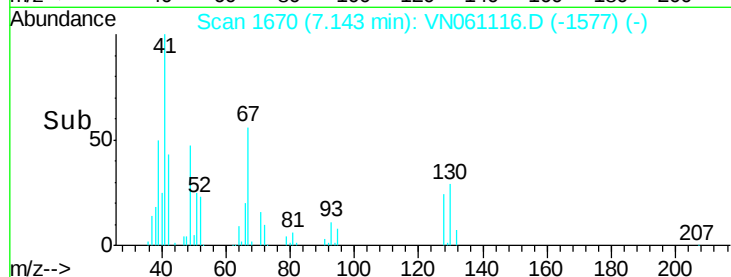
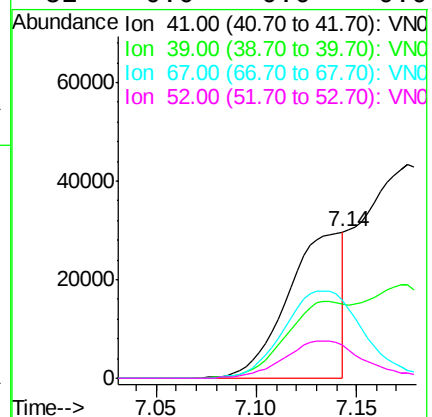
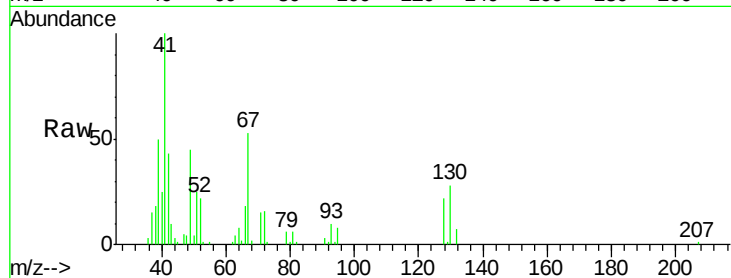
#41
Methacrylonitrile
Concen: 47.749 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		57073		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

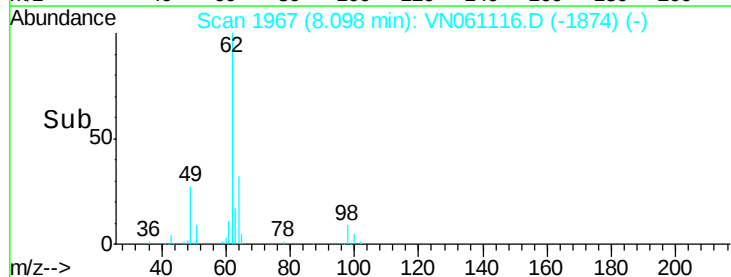
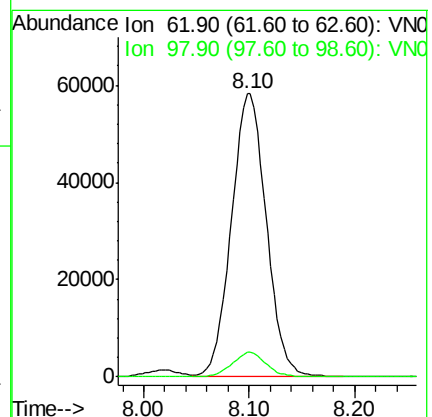
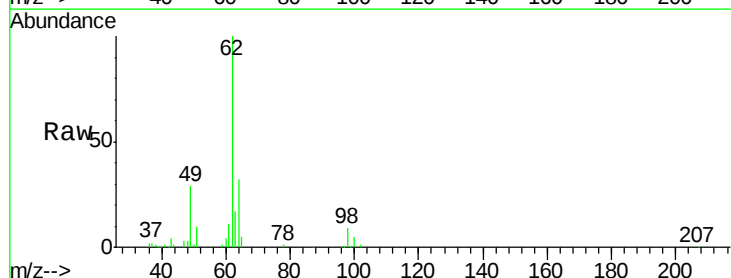
Manual Integrations
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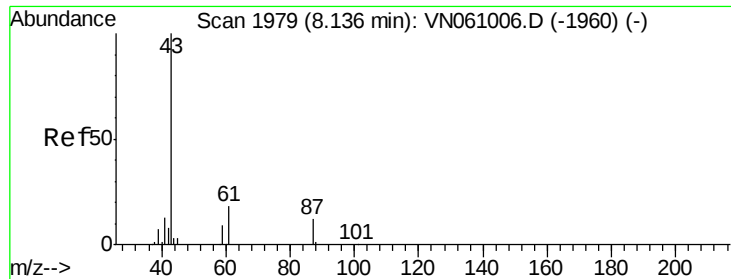
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.138 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		133726		
98	8.5	0.0	17.2		





#43

Isopropyl Acetate

Concen: 48.621 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

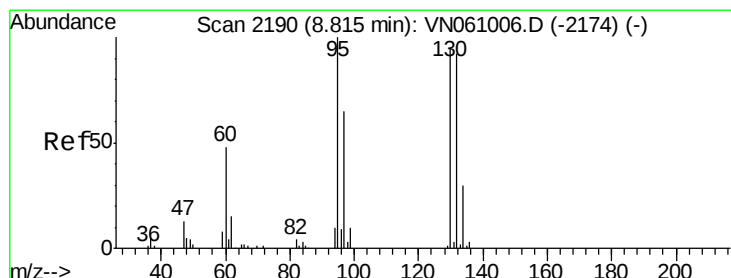
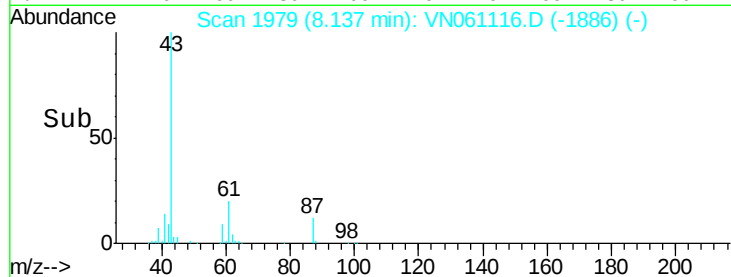
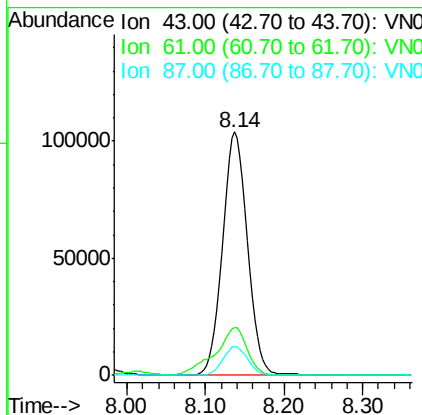
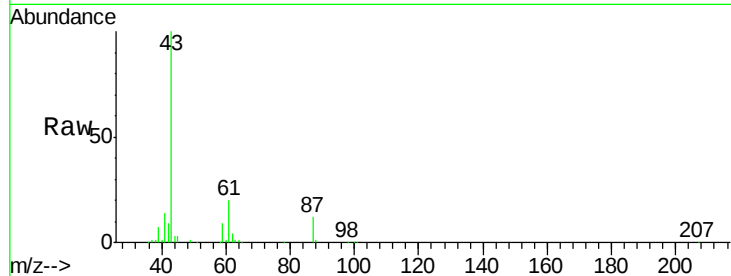
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	226604
Ion Ratio		Lower	Upper
43	100		
61	25.3	20.3	30.5
87	11.6	9.4	14.2

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#44

Trichloroethene

Concen: 47.966 ug/l

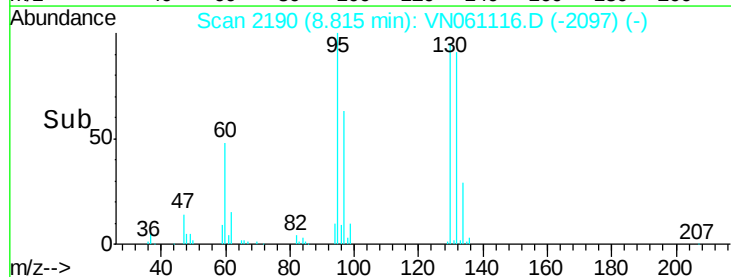
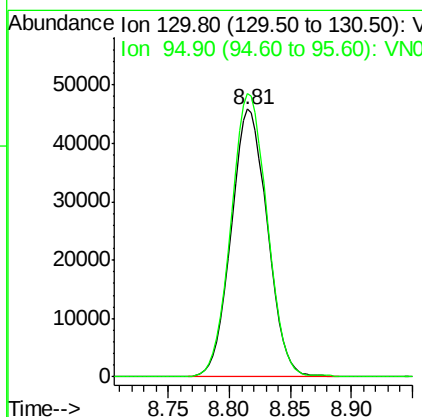
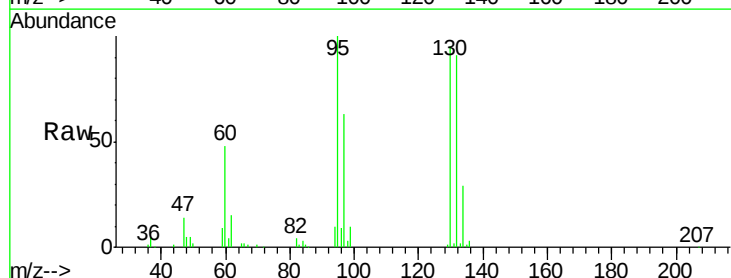
RT: 8.81 min Scan# 2190

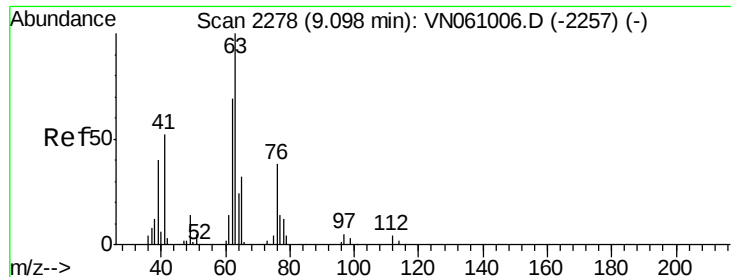
Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Tgt Ion:	130	Resp:	94363
Ion Ratio		Lower	Upper
130	100		
95	105.8	0.0	210.0





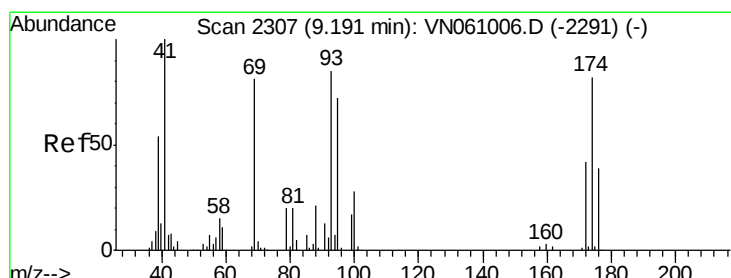
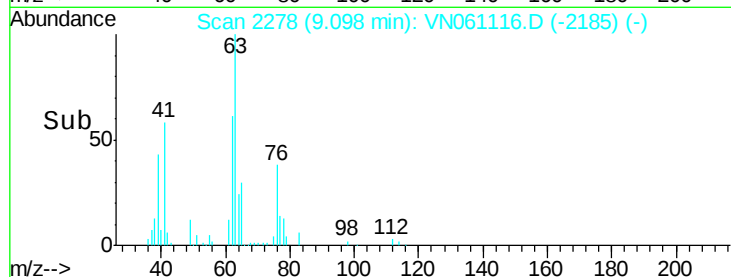
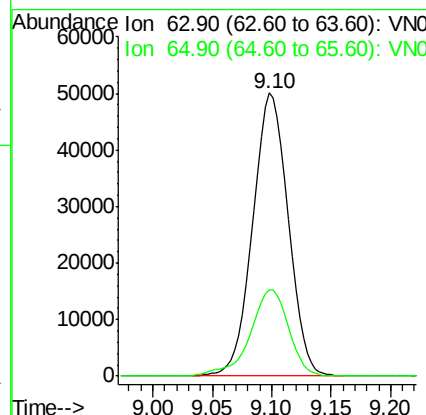
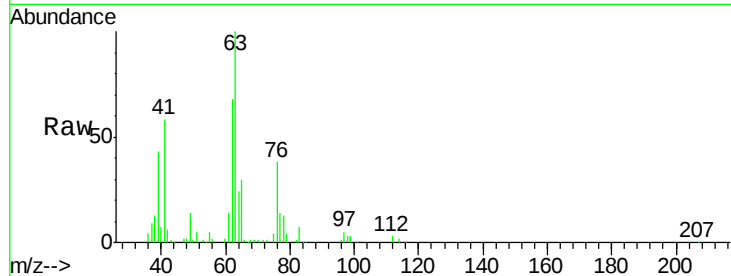
#45
 1,2-Dichloropropane
 Concen: 48.991 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.2	37.8

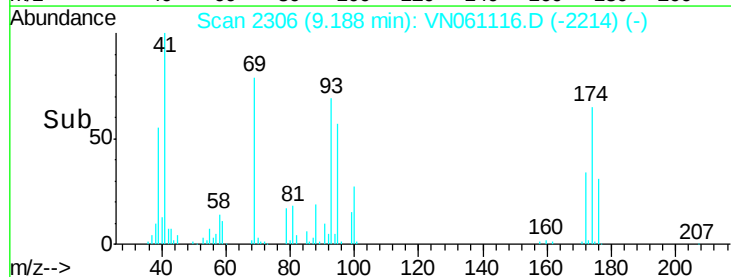
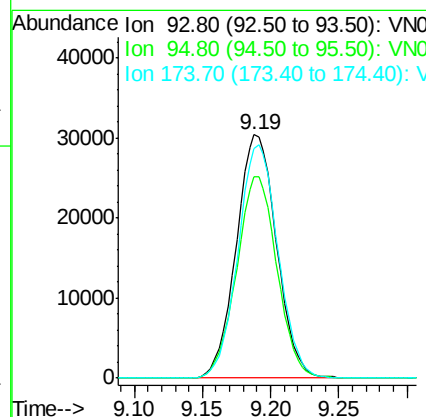
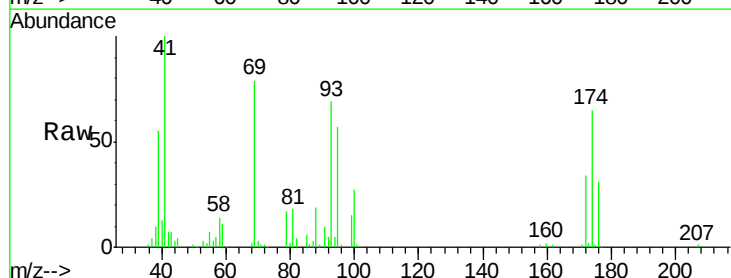
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#46
 Dibromomethane
 Concen: 51.202 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.8	100.2
174	95.2	76.2	114.4





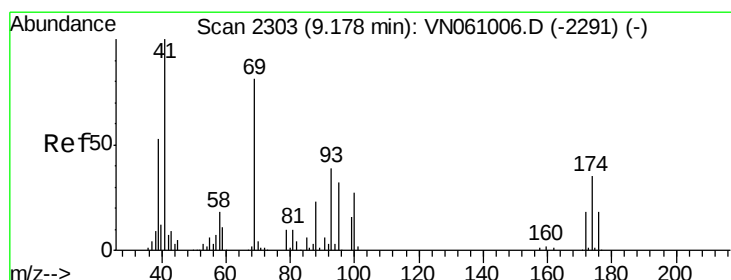
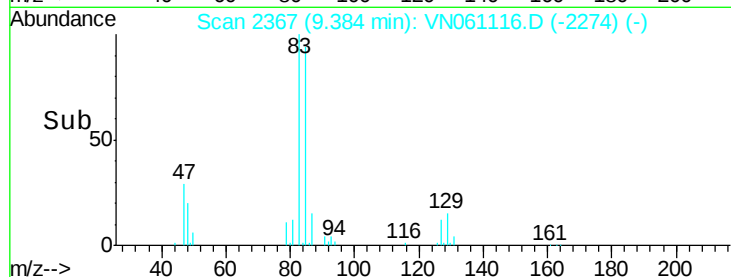
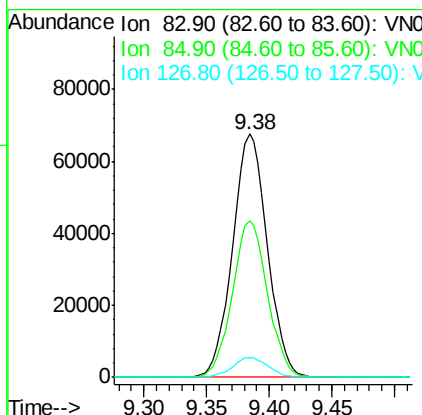
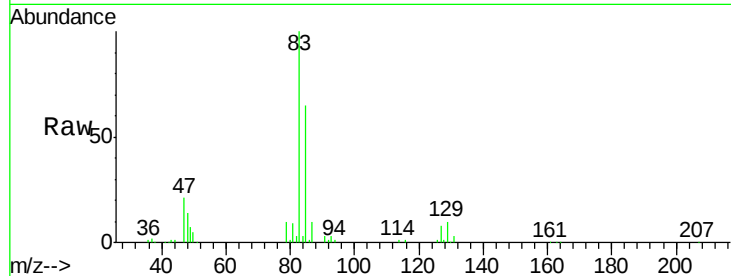
#47
Bromodichloromethane
Concen: 50.491 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	130053
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	50.6	76.0
127	8.1	6.1	9.1

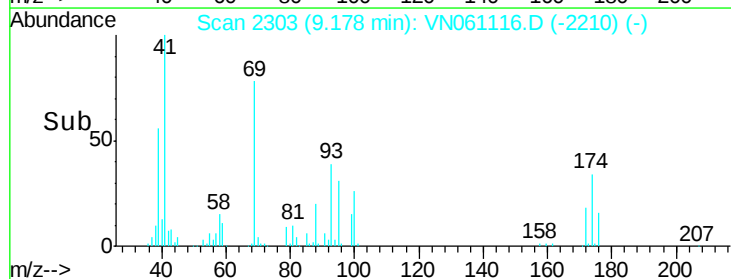
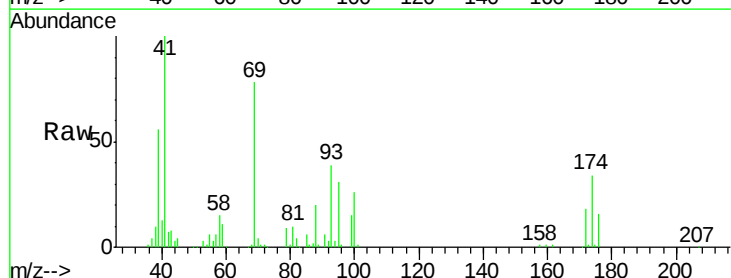
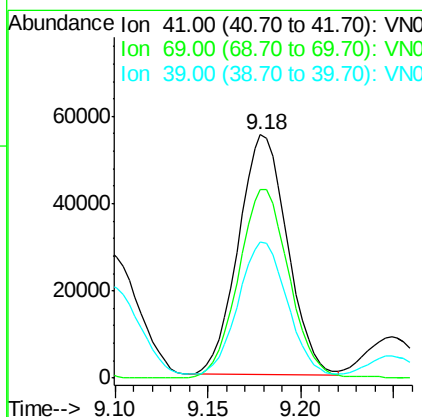
Manual Integrations
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#48
Methyl methacrylate
Concen: 49.176 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	41	Resp	101286
Ion Ratio	100	Lower	Upper
41	100		
69	81.3	65.3	97.9
39	54.9	45.2	67.8





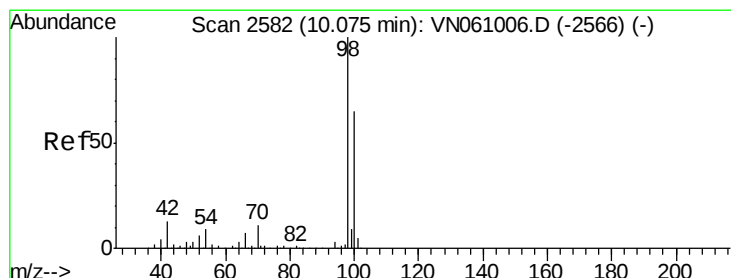
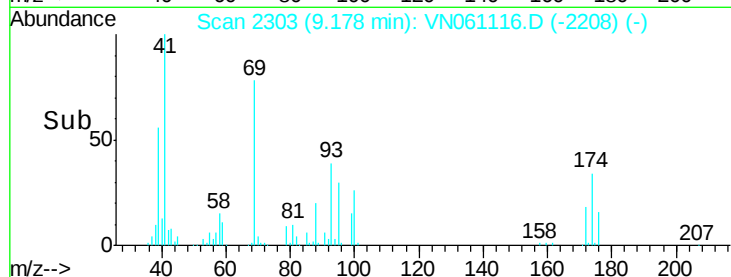
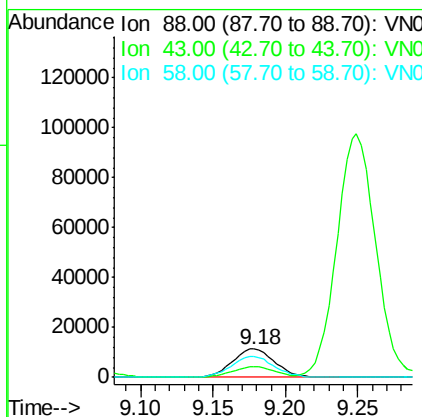
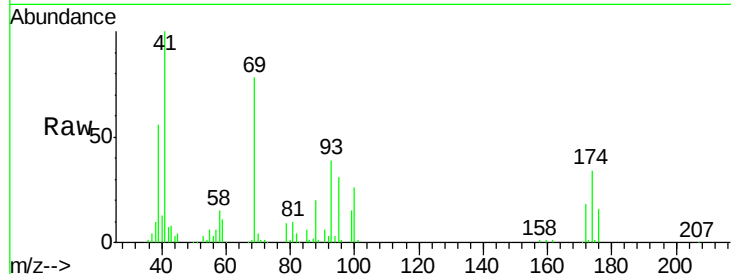
#49
1,4-Dioxane
Concen: 819.239 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.9	46.3
58	73.9	59.8	89.8

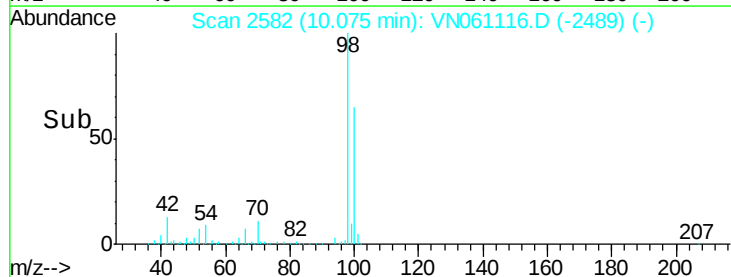
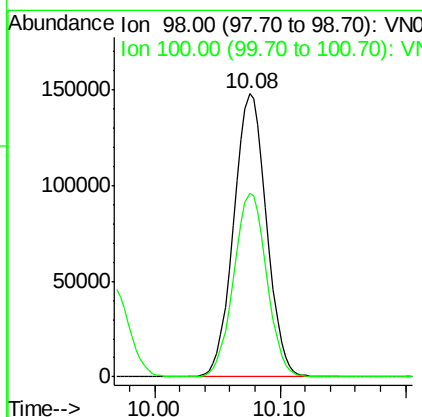
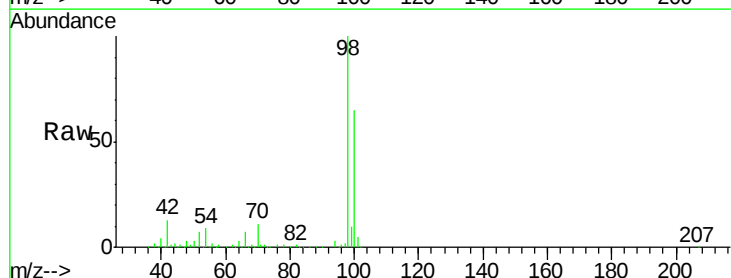
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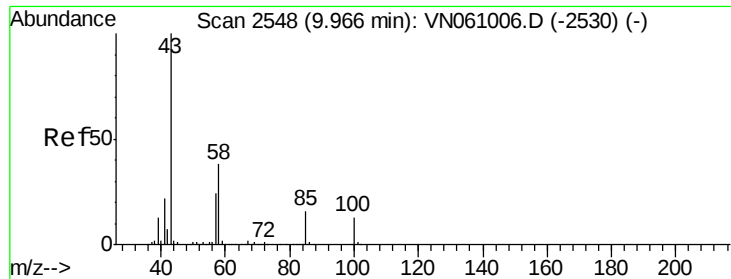
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#50
Toluene-d8
Concen: 47.623 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 243.450 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 654080

Ion Ratio Lower Upper

43 100

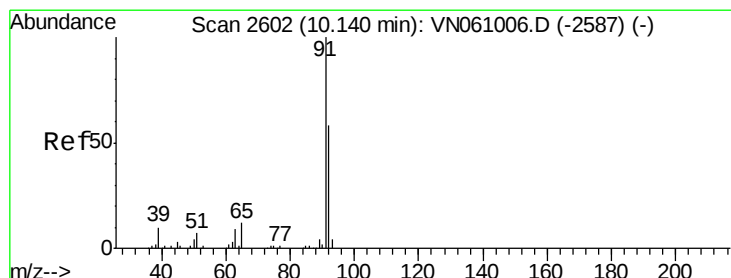
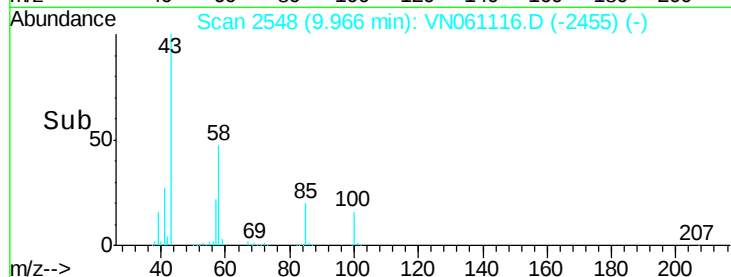
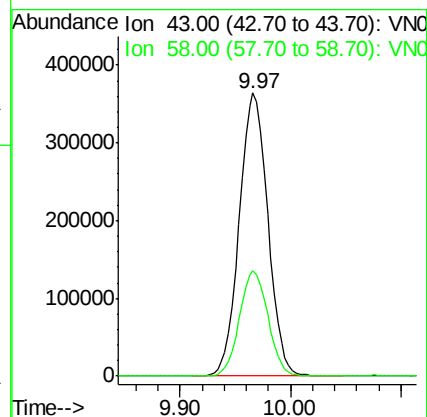
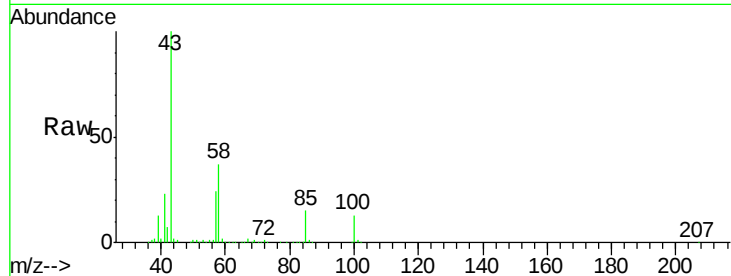
58 37.3 30.3 45.5

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#52

Toluene

Concen: 49.070 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061116.D

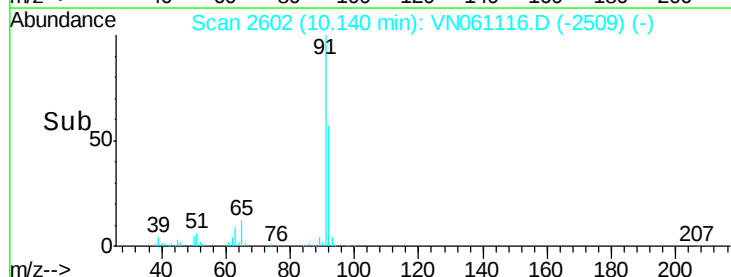
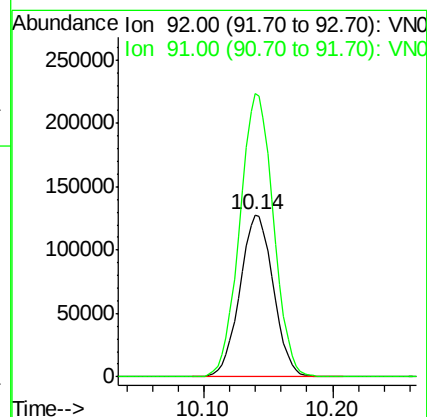
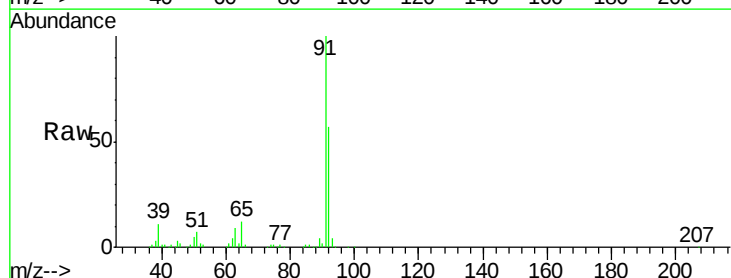
Acq: 20 Apr 2020 20:46

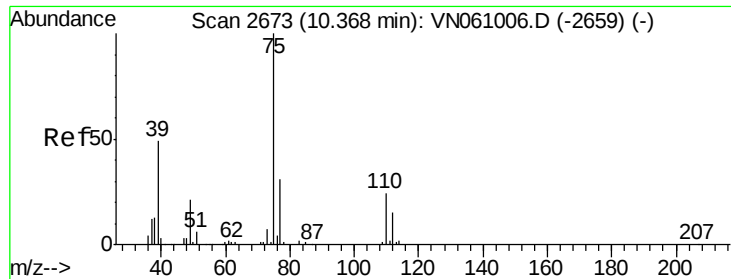
Tgt Ion: 92 Resp: 230479

Ion Ratio Lower Upper

92 100

91 175.6 137.7 206.5





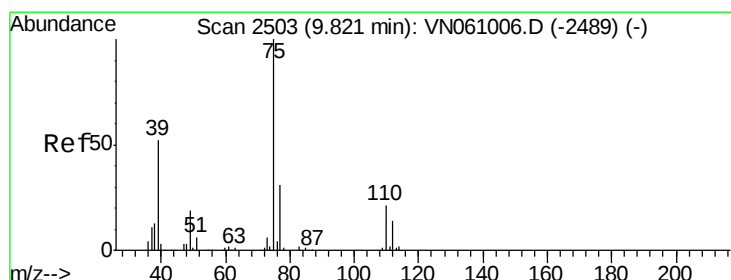
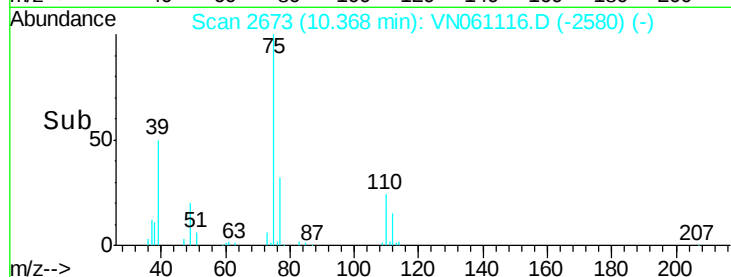
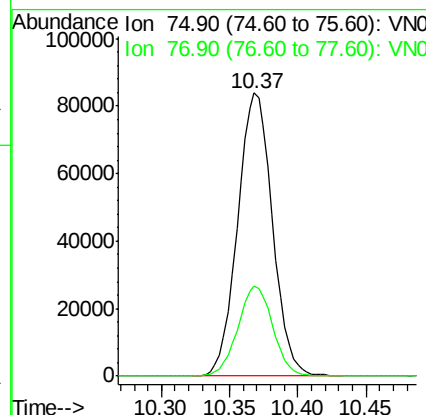
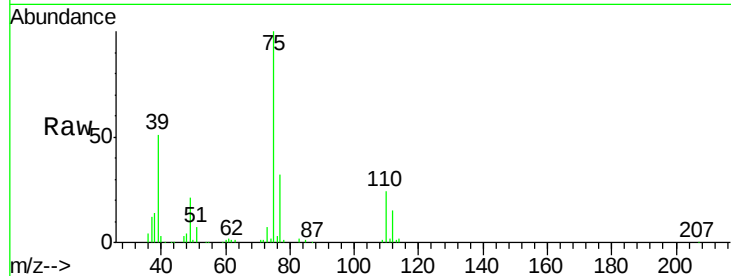
#53
t-1,3-Dichloropropene
Concen: 49.638 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 148515
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

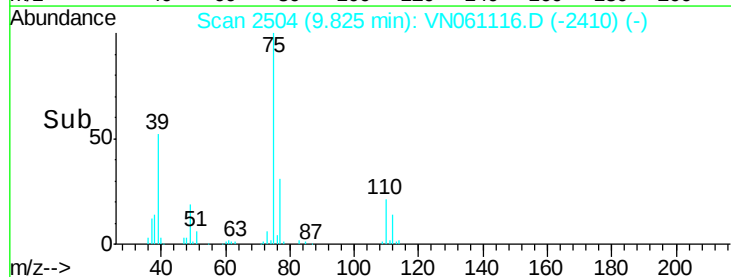
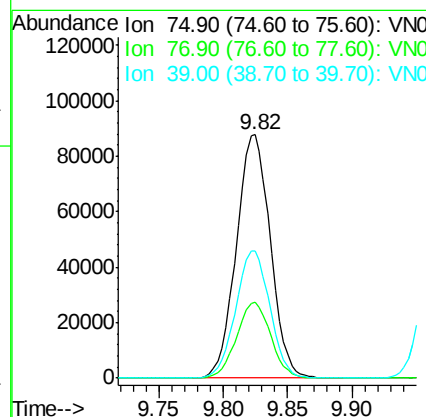
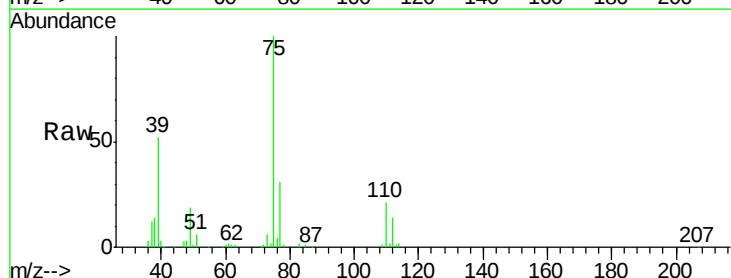
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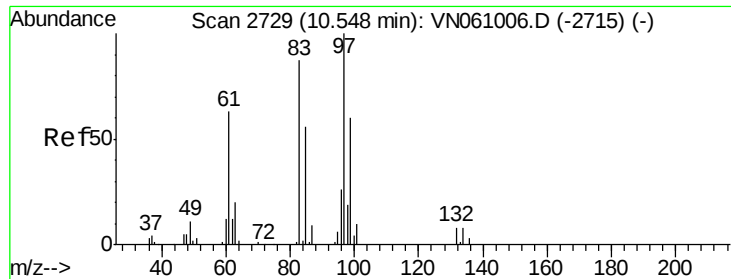
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#54
cis-1,3-Dichloropropene
Concen: 49.249 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 75 Resp: 160774
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6
39 52.3 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 49.710 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 88358

Ion Ratio Lower Upper

97 100

83 92.6 69.5 104.3

85 59.5 45.0 67.4

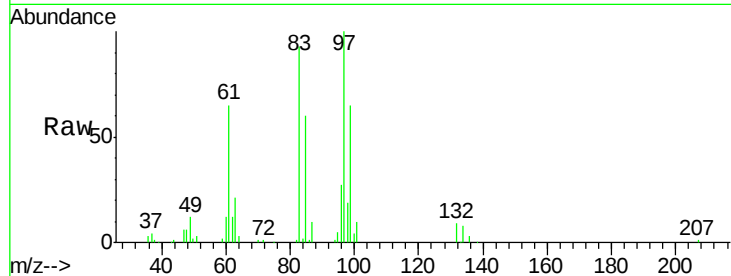
99 64.8 47.9 71.9

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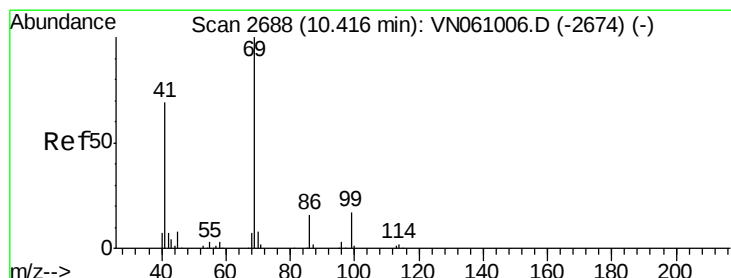
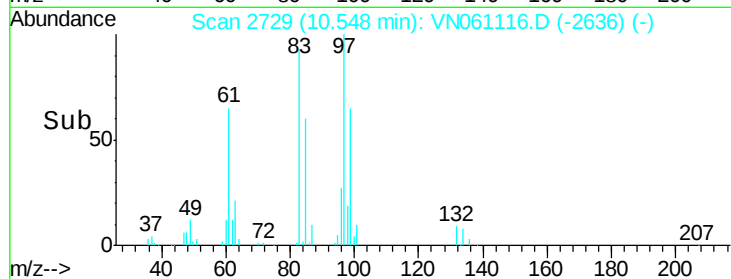
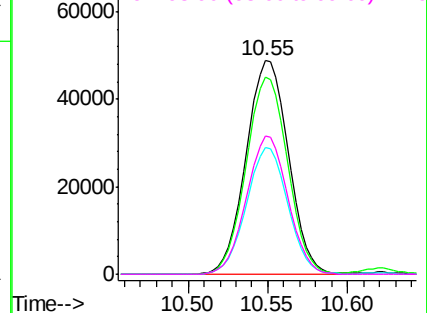


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.549 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

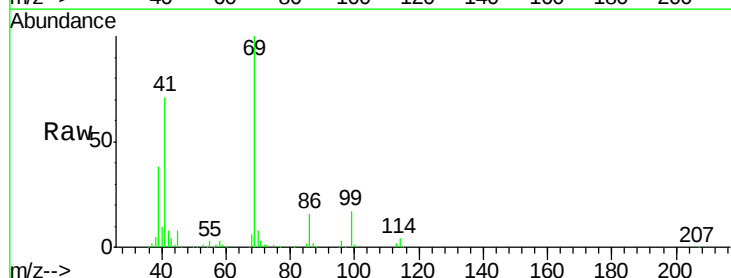
Tgt Ion: 69 Resp: 141288

Ion Ratio Lower Upper

69 100

41 72.9 56.7 85.1

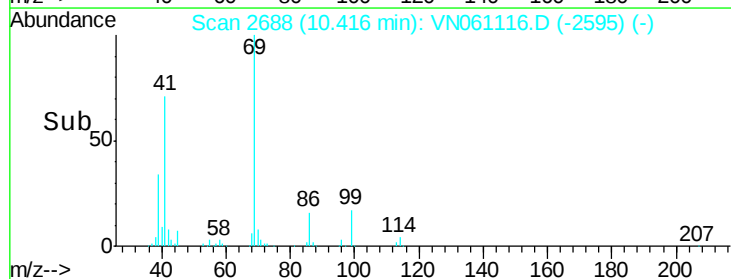
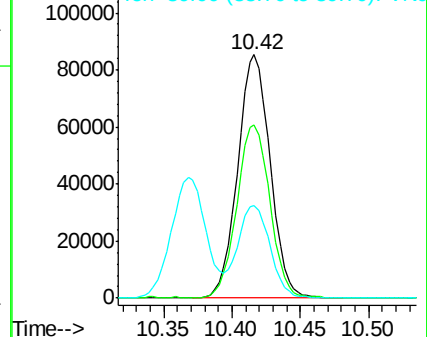
39 37.7 29.4 44.0

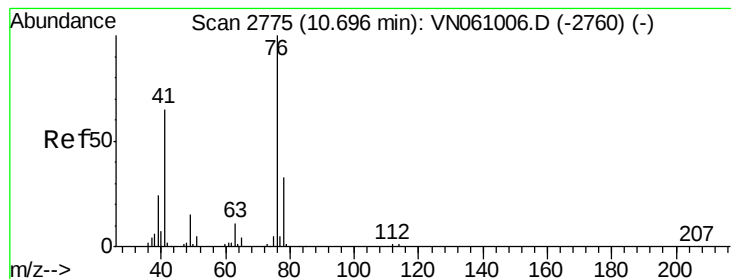


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.829 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 157985

Ion Ratio Lower Upper

76 100

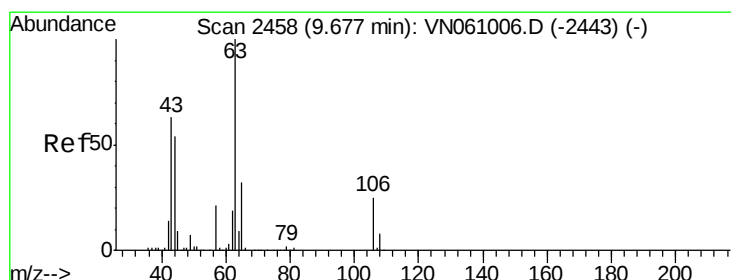
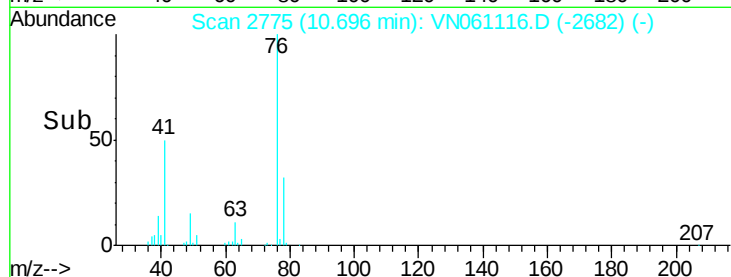
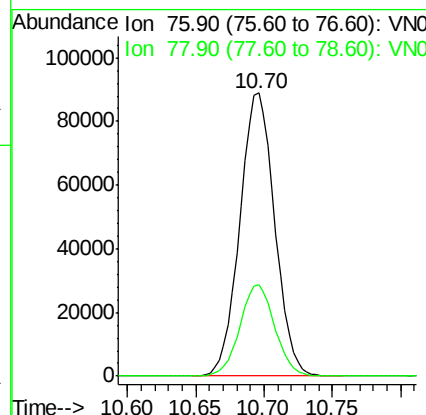
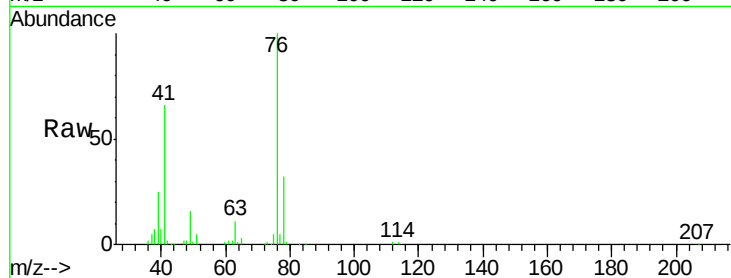
78 32.2 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 245.064 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061116.D

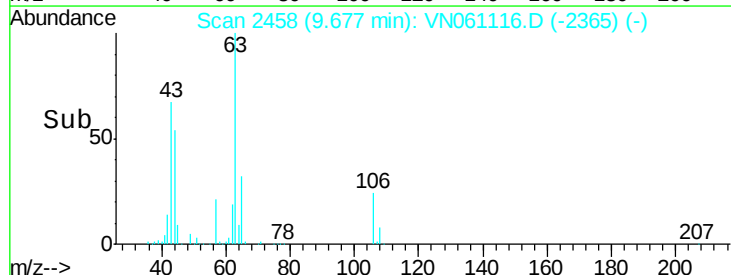
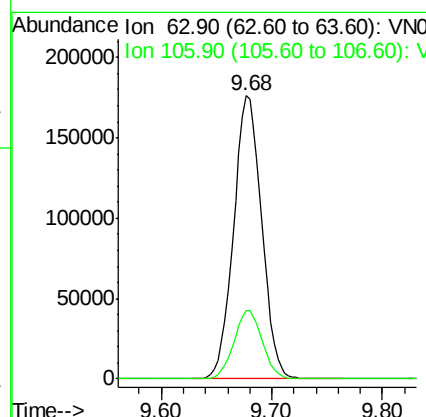
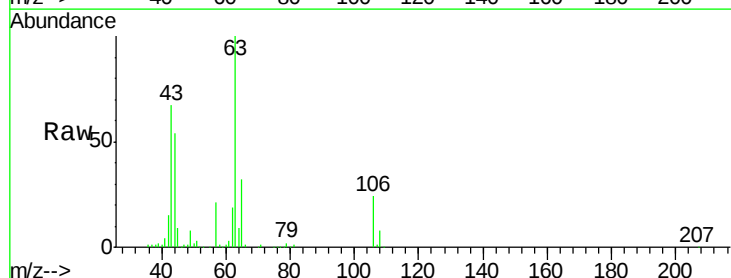
Acq: 20 Apr 2020 20:46

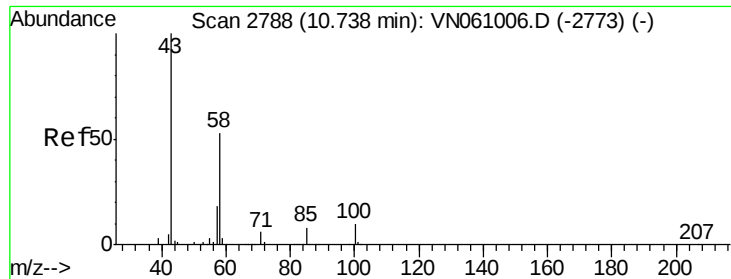
Tgt Ion: 63 Resp: 311250

Ion Ratio Lower Upper

63 100

106 24.4 19.5 29.3





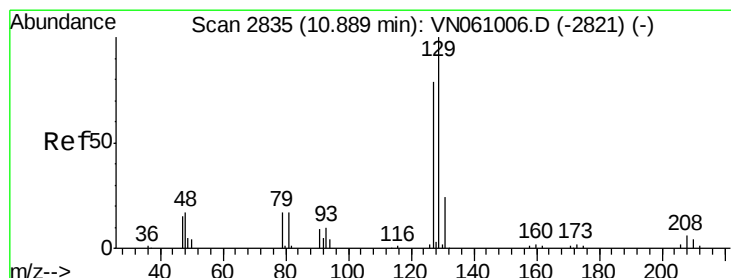
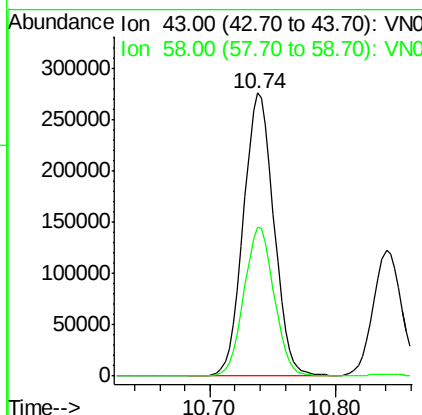
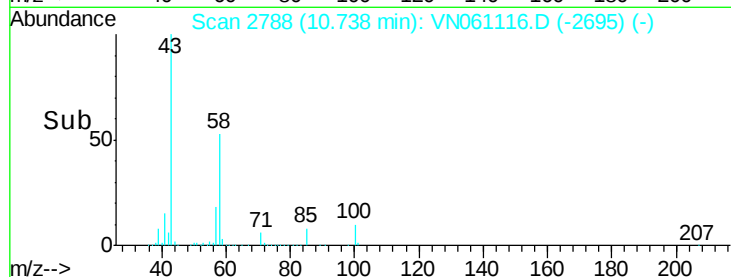
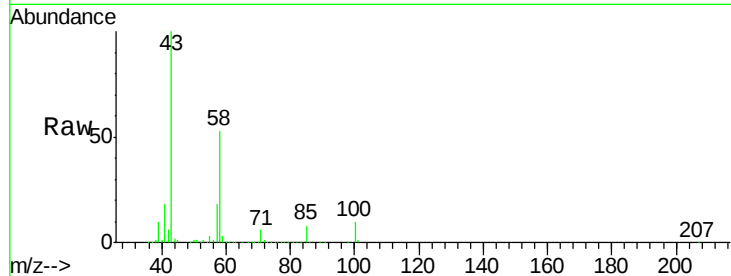
#59
2-Hexanone
Concen: 241.141 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 467236
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

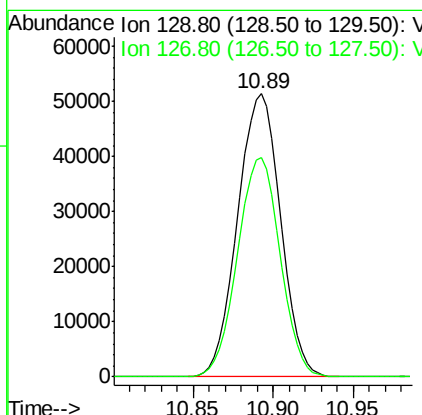
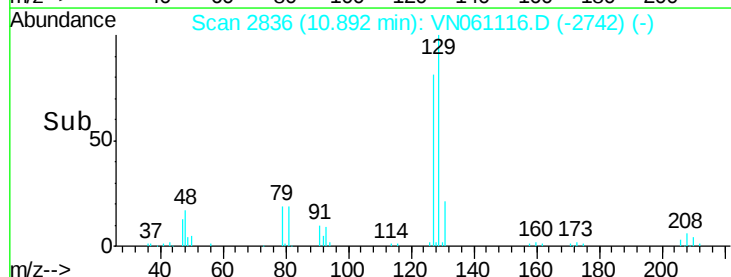
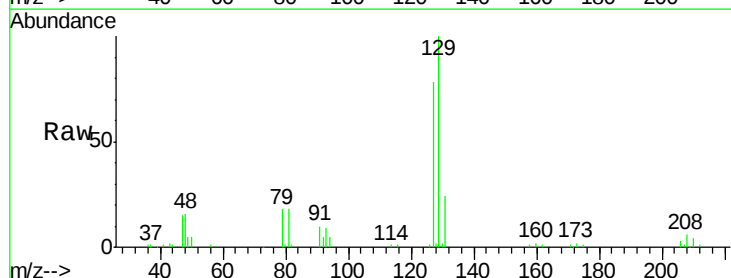
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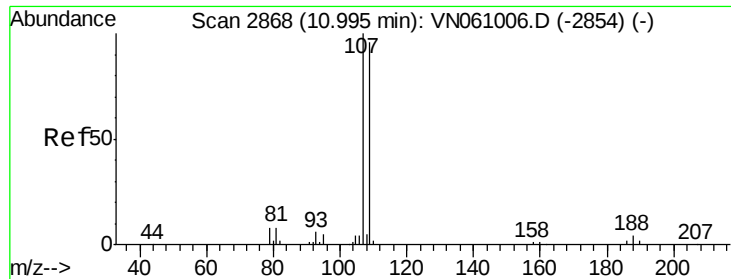
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#60
Dibromochloromethane
Concen: 51.723 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 129 Resp: 94441
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 50.113 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 90766

Ion Ratio Lower Upper

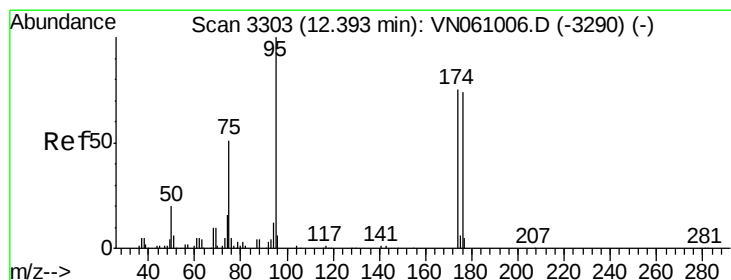
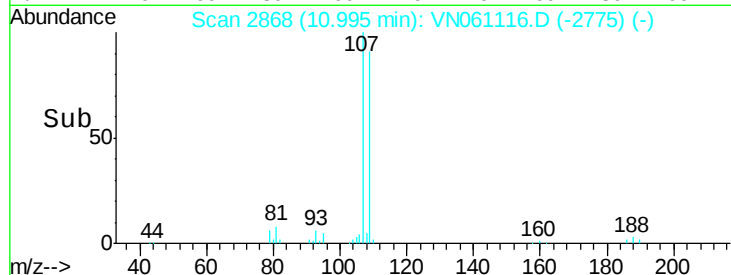
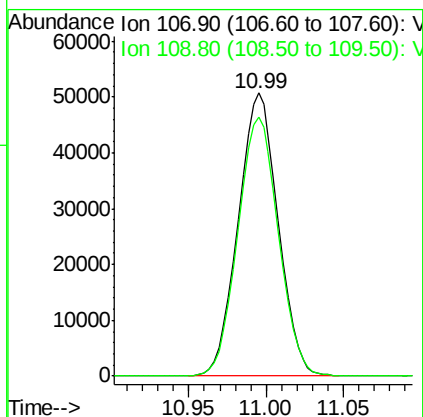
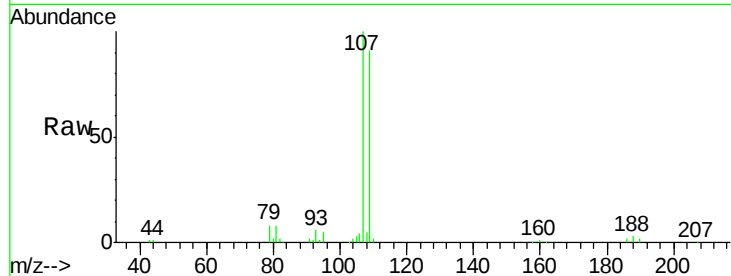
107 100

109 93.2 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 48.795 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

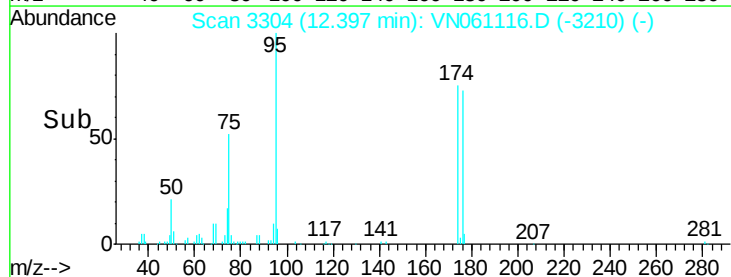
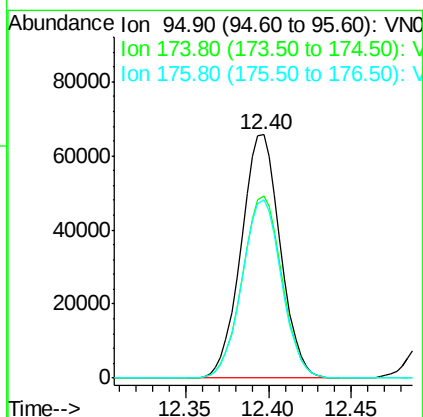
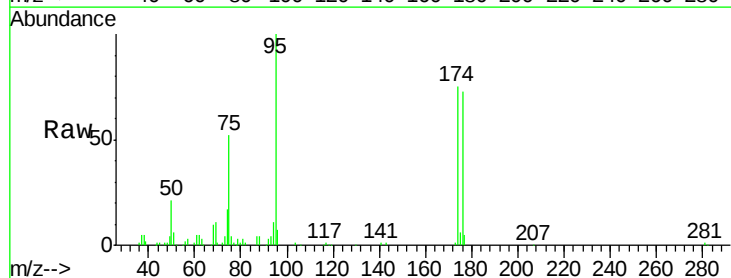
Tgt Ion: 95 Resp: 107935

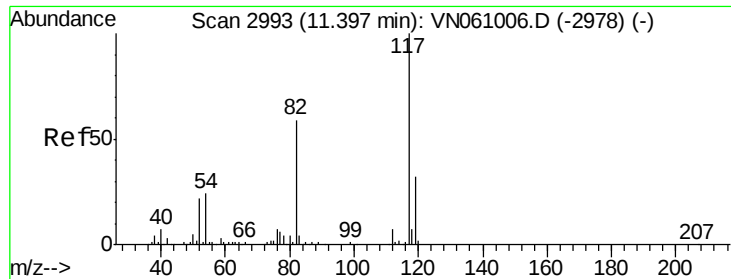
Ion Ratio Lower Upper

95 100

174 75.6 0.0 151.2

176 73.8 0.0 148.2





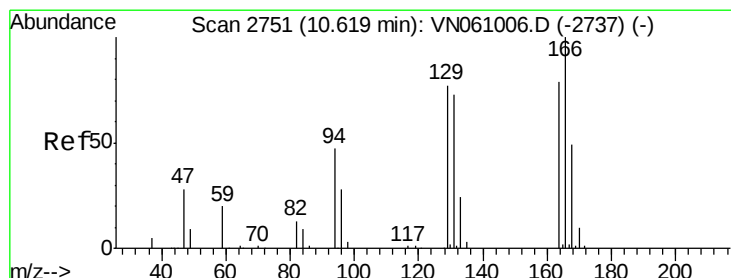
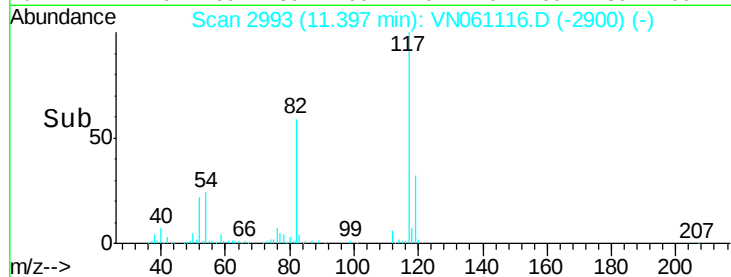
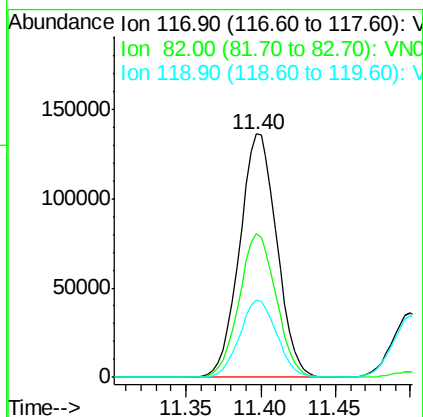
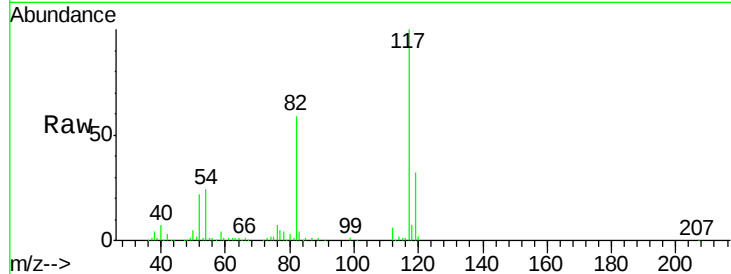
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.1	70.7
119	31.6	25.7	38.5

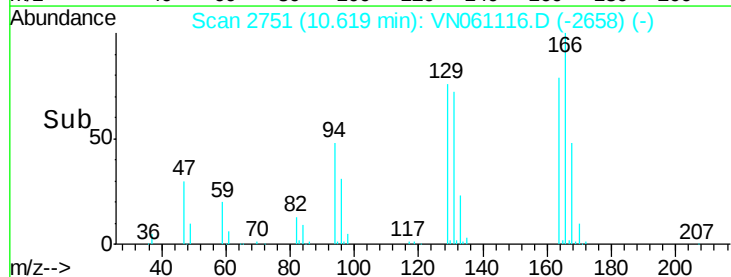
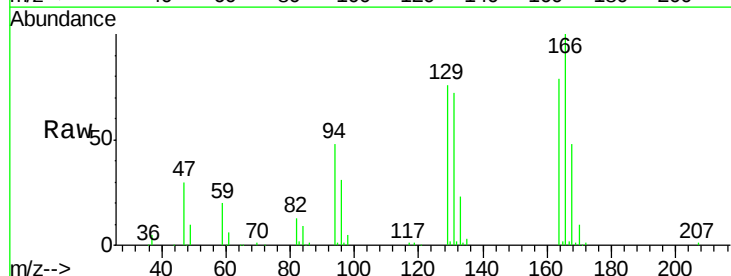
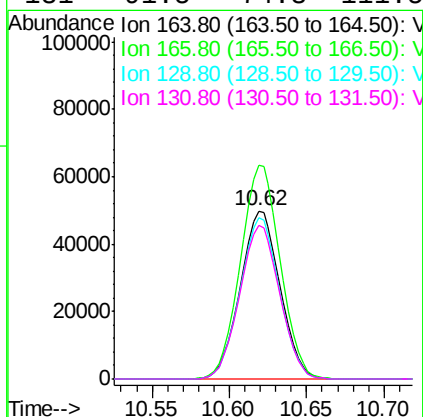
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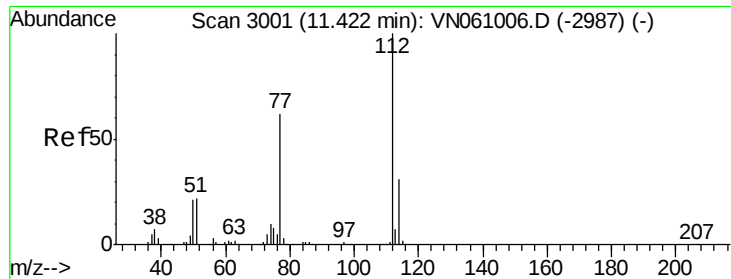
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#64
Tetrachloroethene
Concen: 49.401 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.6	152.4
129	96.1	78.5	117.7
131	91.5	74.3	111.5





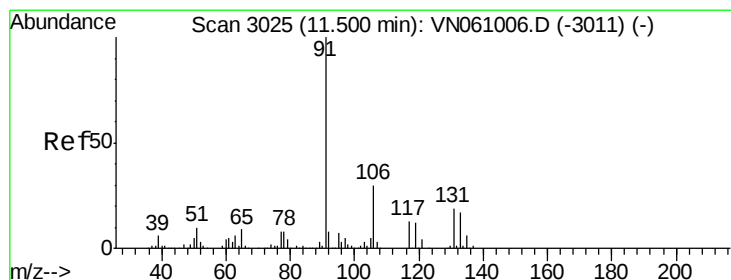
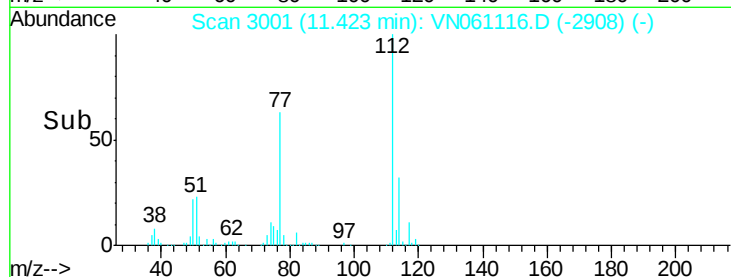
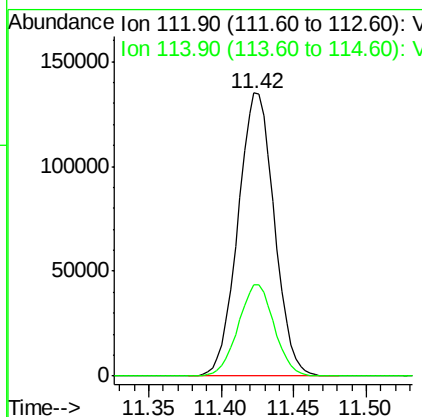
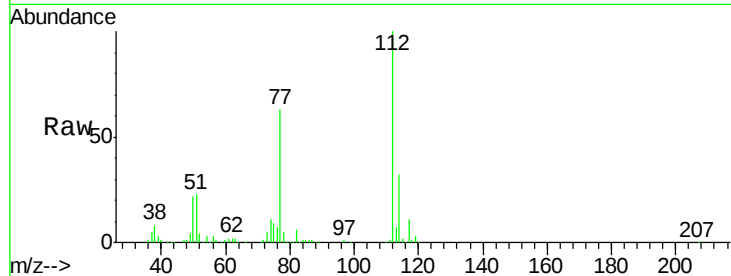
#65
Chlorobenzene
Concen: 48.406 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 235172
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

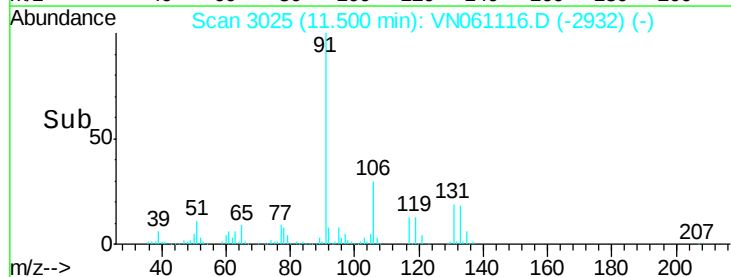
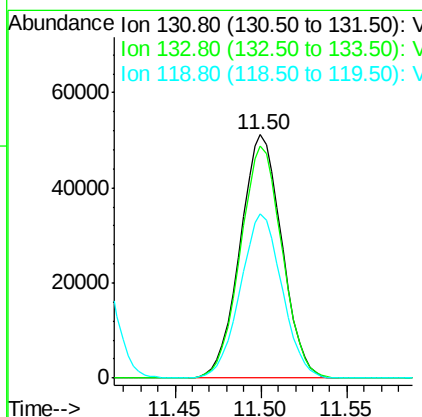
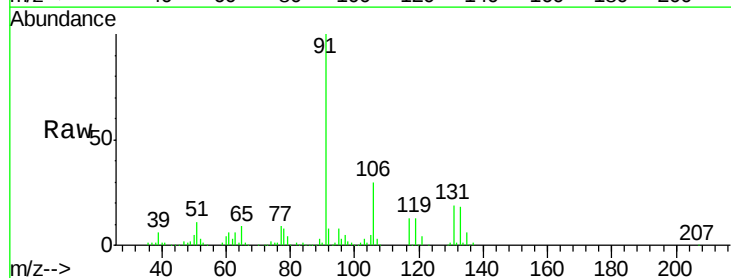
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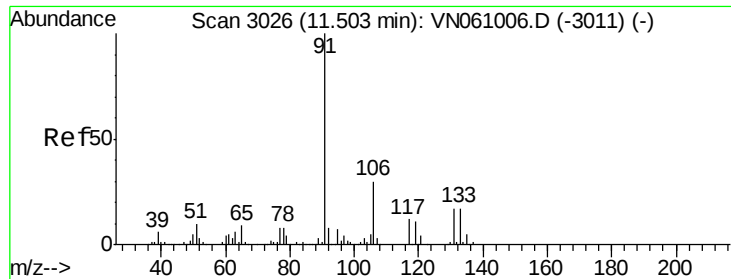
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.664 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion:131 Resp: 86324
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.8
119 67.5 33.3 99.8





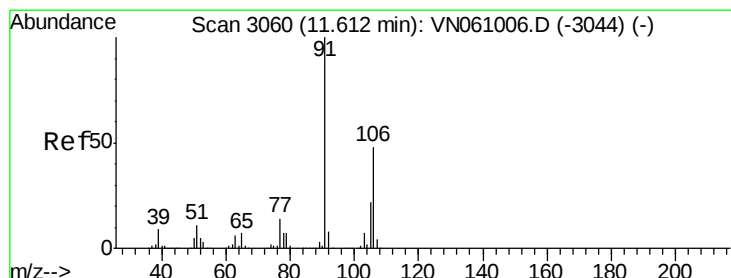
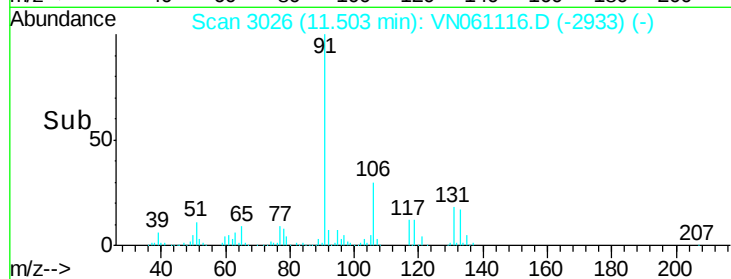
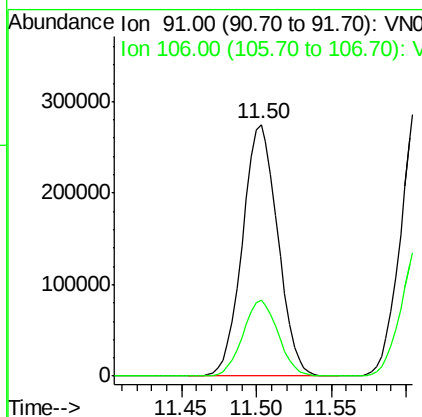
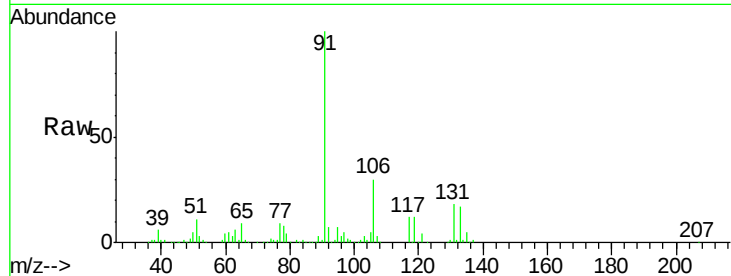
#67
Ethyl Benzene
Concen: 49.352 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 451013
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8

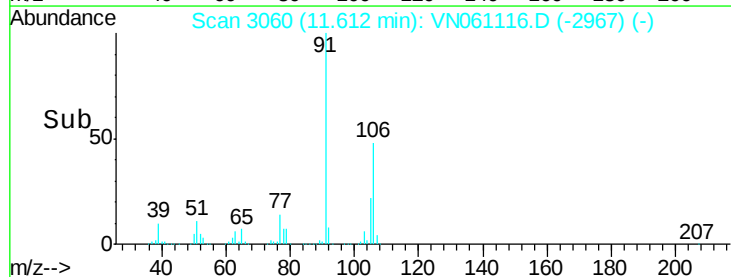
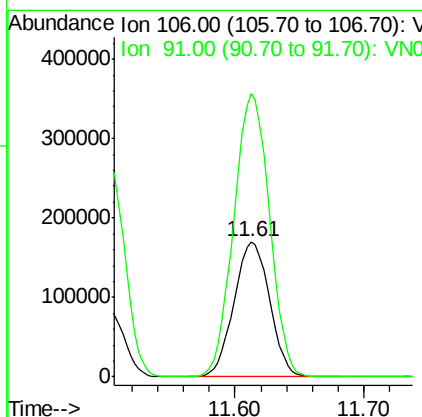
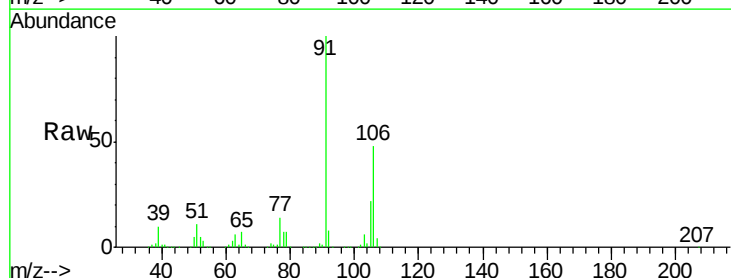
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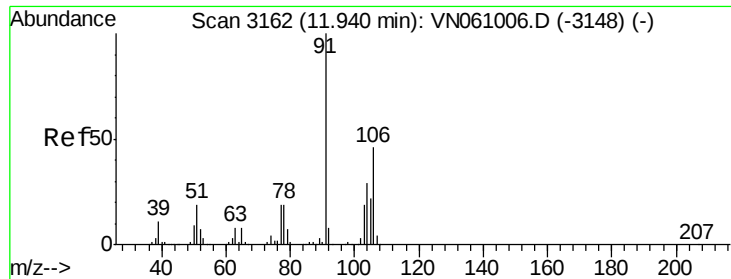
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#68
m/p-Xylenes
Concen: 99.106 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion: 106 Resp: 327318
Ion Ratio Lower Upper
106 100
91 209.8 167.9 251.9





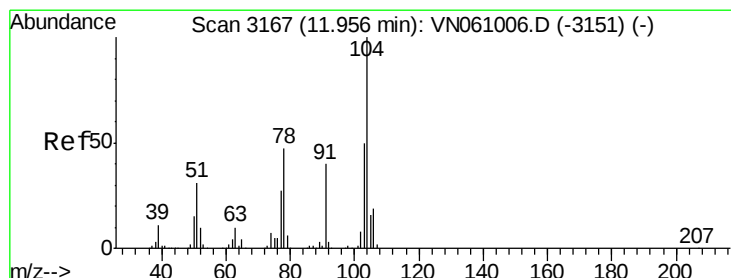
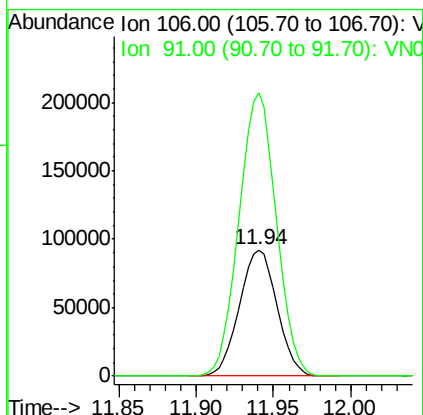
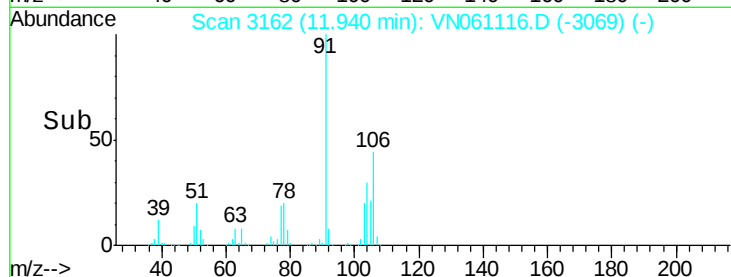
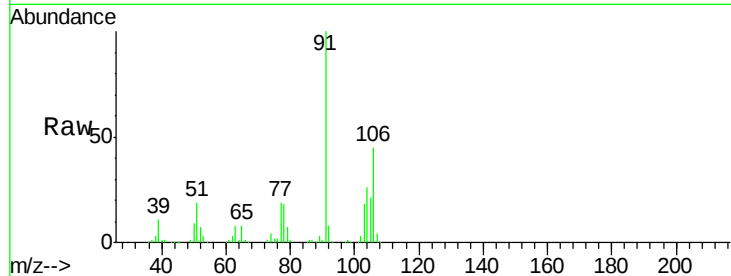
#69
o-Xylene
Concen: 49.162 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.5	110.7	332.1

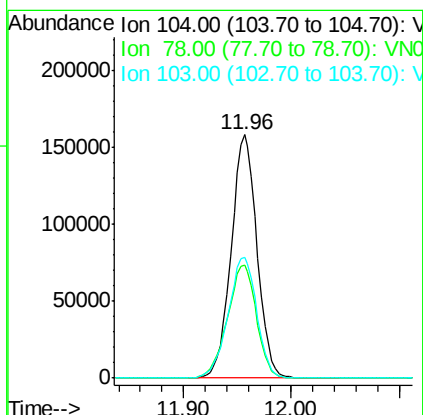
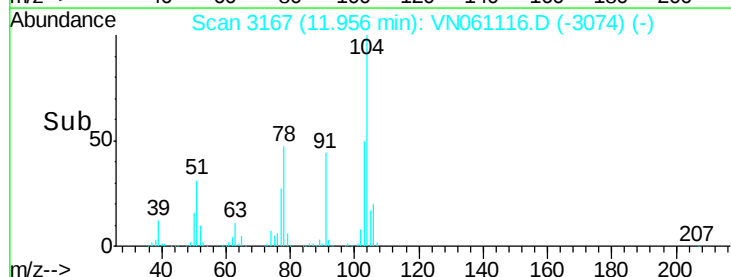
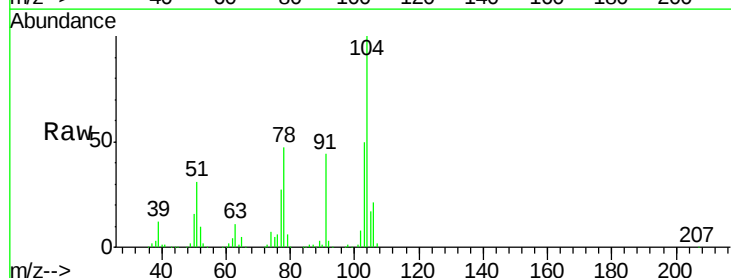
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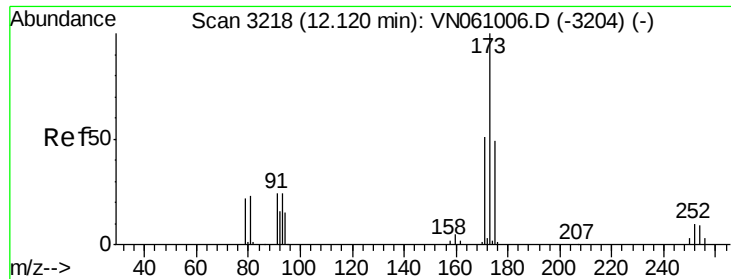
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#70
Styrene
Concen: 51.507 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.2	63.4
103	55.0	44.4	66.6





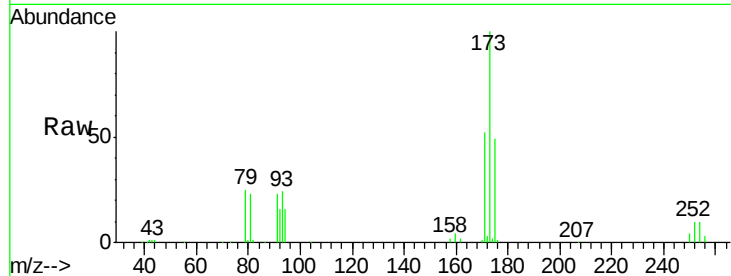
#71
Bromoform
Concen: 51.306 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.5	73.5
254	0.0	0.0	0.0

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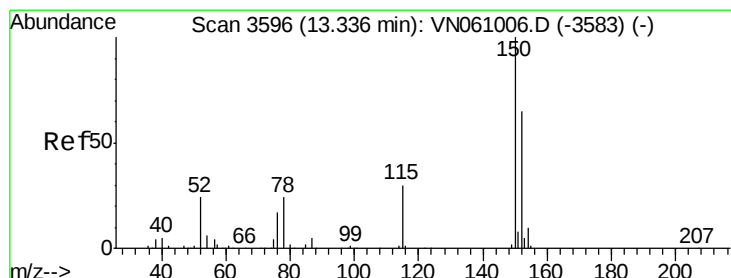
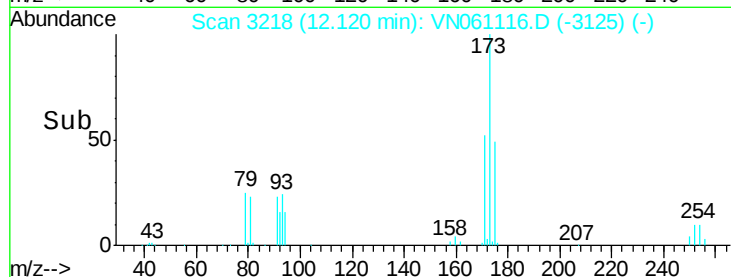
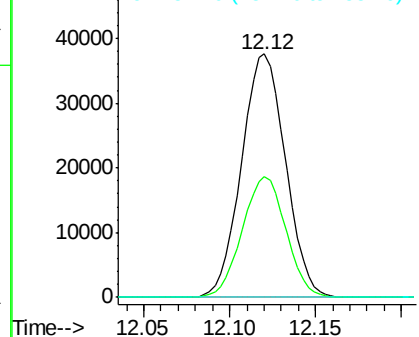


Abundance

Ion 172.70 (172.40 to 173.40): V

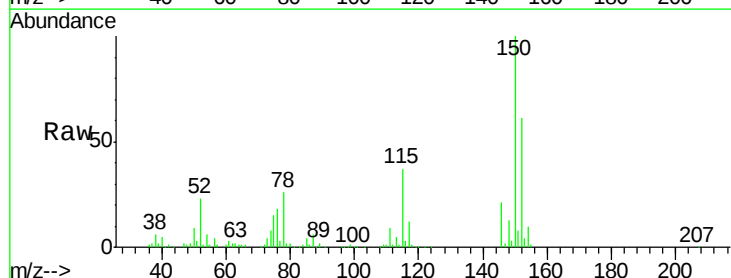
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.8	92.4
150	175.2	0.0	349.0

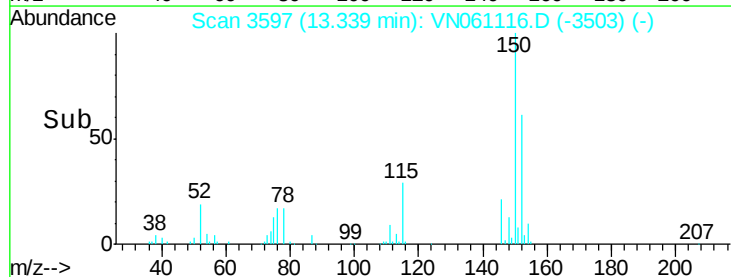
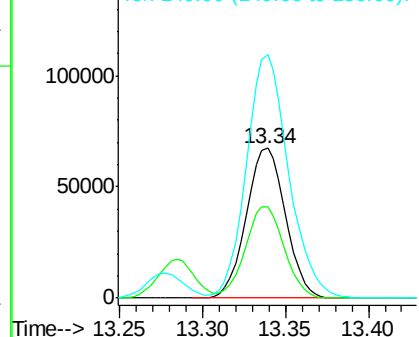


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.114 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 425776

Ion Ratio Lower Upper

105 100

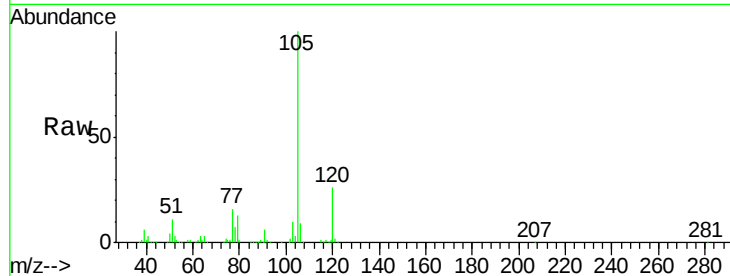
120 25.5 13.0 38.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

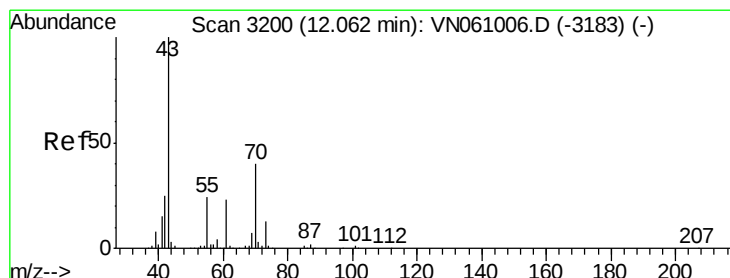
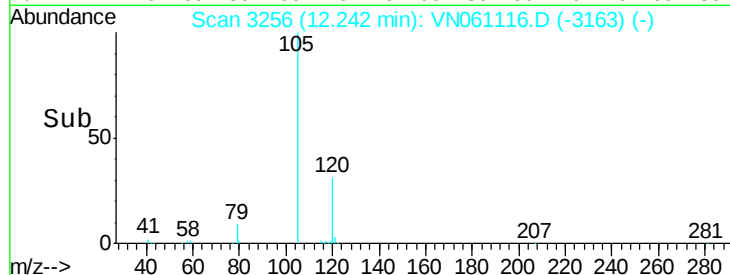
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 47.682 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Tgt Ion: 43 Resp: 196219

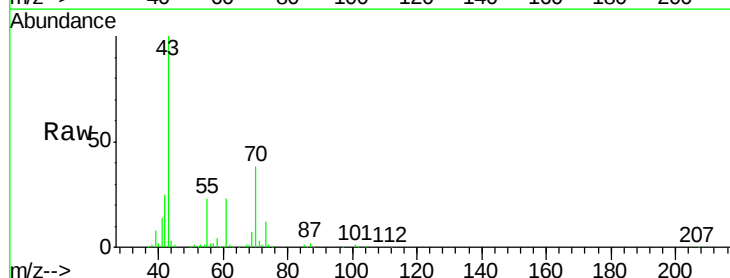
Ion Ratio Lower Upper

43 100

70 38.2 31.0 46.6

55 23.1 18.6 27.8

61 23.0 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

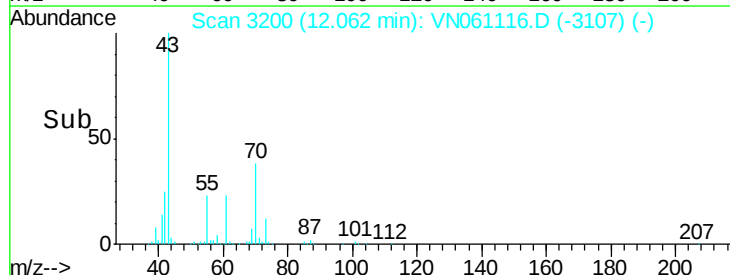
150000

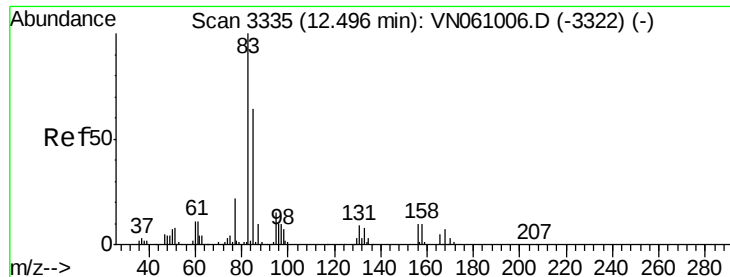
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 47.895 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 83 Resp: 129378
Ion Ratio Lower Upper

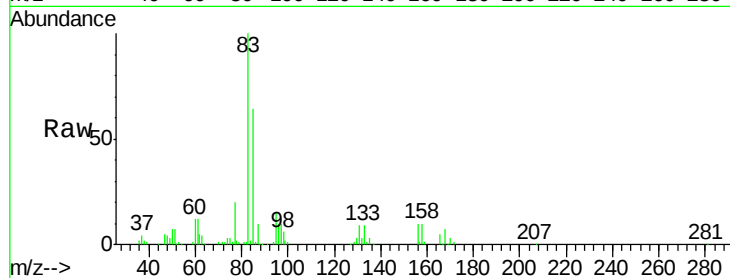
83 100

131 9.3 4.8 14.3

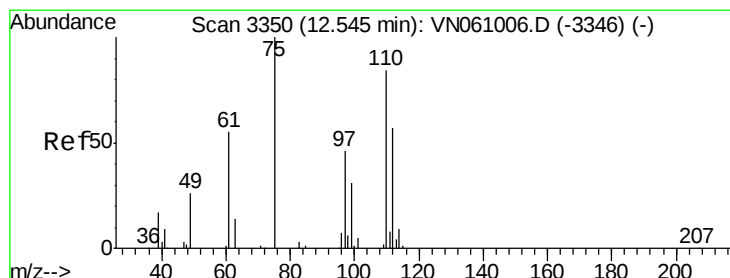
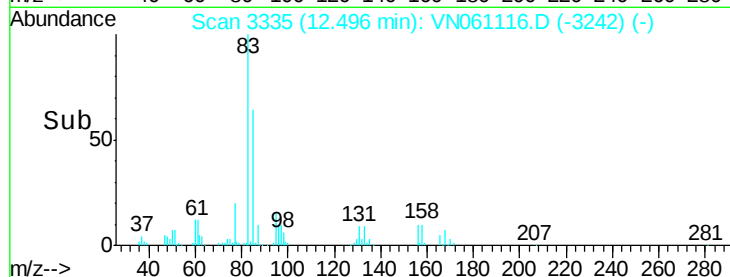
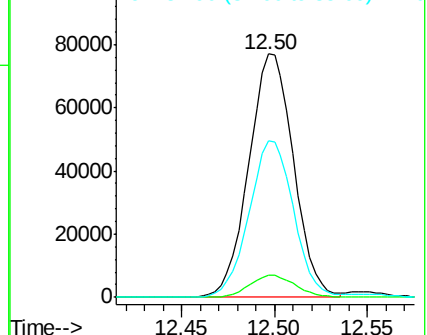
85 63.7 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 45.598 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

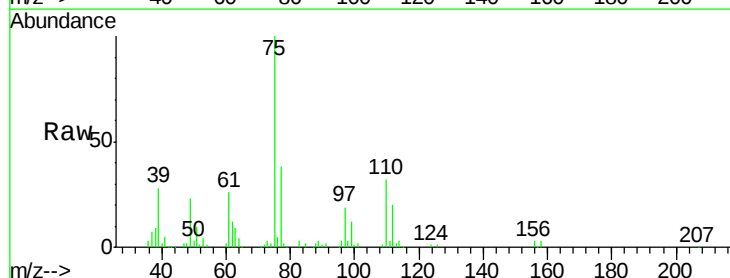
Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

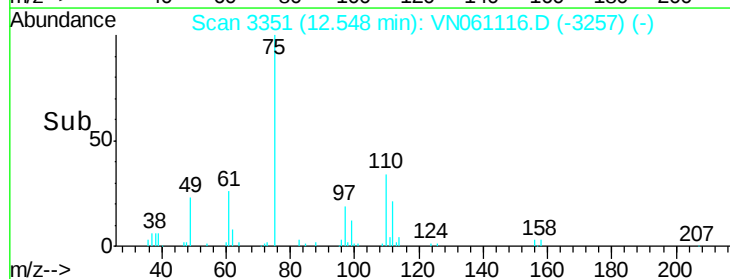
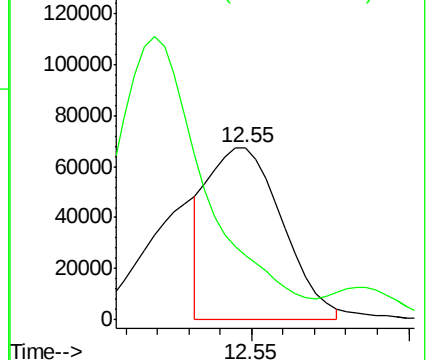
Tgt Ion: 75 Resp: 110785
Ion Ratio Lower Upper

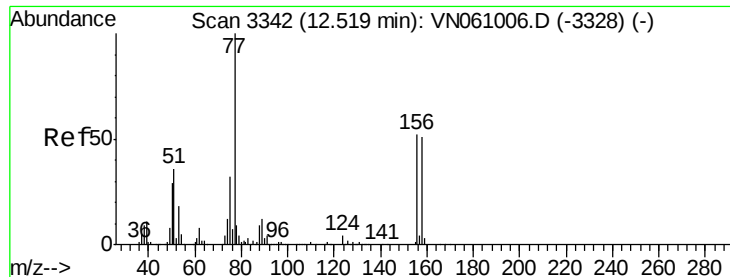
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.358 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 99915

Ion Ratio Lower Upper

156 100

77 226.6 115.6 346.8

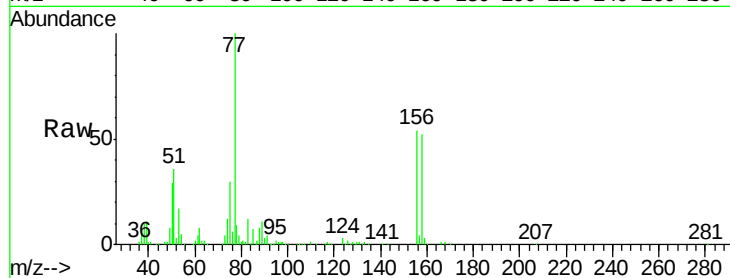
158 97.8 48.9 146.6

Manual Integrations

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

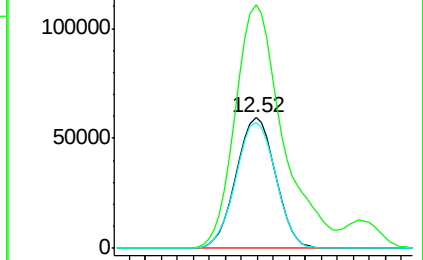
150000

100000

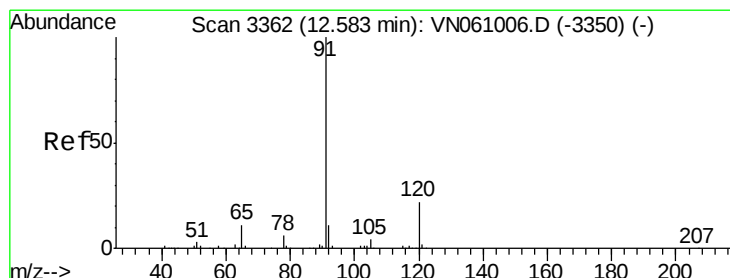
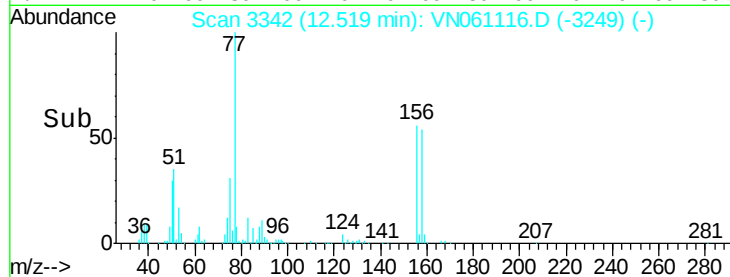
50000

0

12.45 12.50 12.55 12.60



Time-->



#78

n-propylbenzene

Concen: 48.804 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061116.D

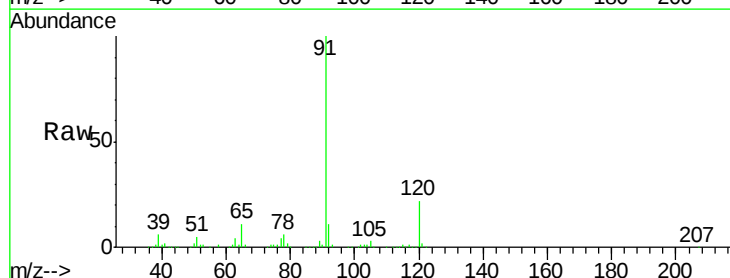
Acq: 20 Apr 2020 20:46

Tgt Ion: 91 Resp: 505283

Ion Ratio Lower Upper

91 100

120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

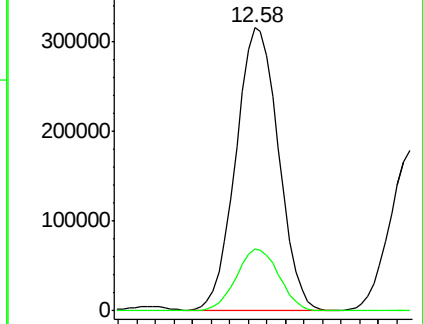
300000

200000

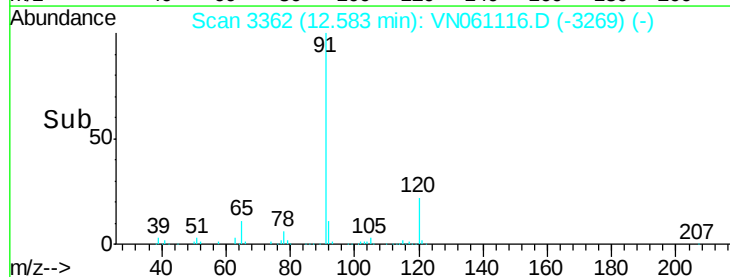
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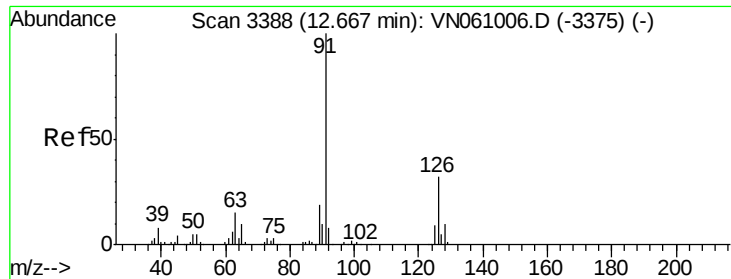
0

12.55 12.60 12.65



Time-->





#79

2-Chlorotoluene

Concen: 48.579 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061116.D

Acq: 20 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 294984

Ion Ratio Lower Upper

91 100

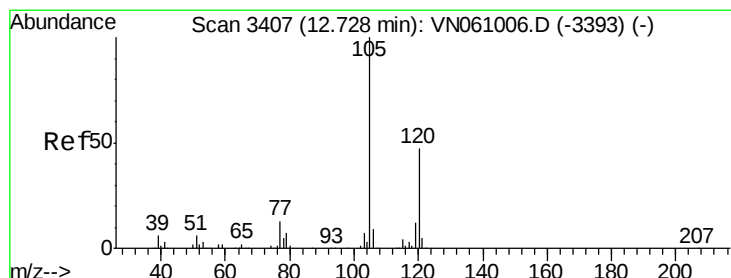
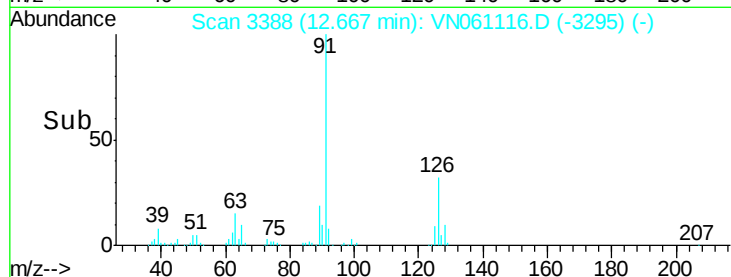
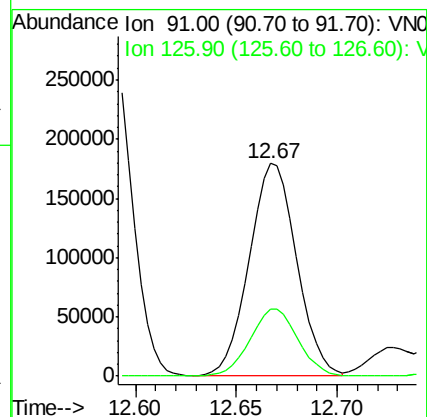
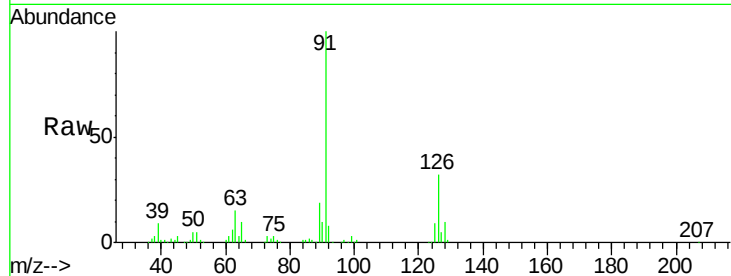
126 32.0 16.1 48.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.106 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061116.D

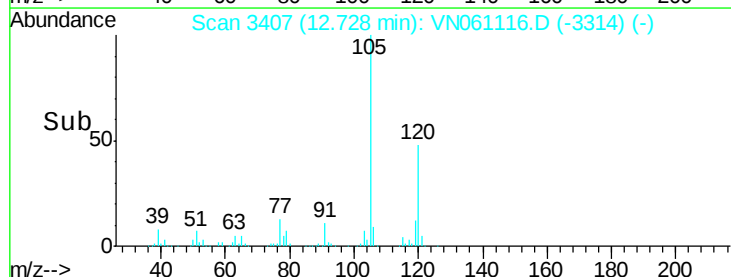
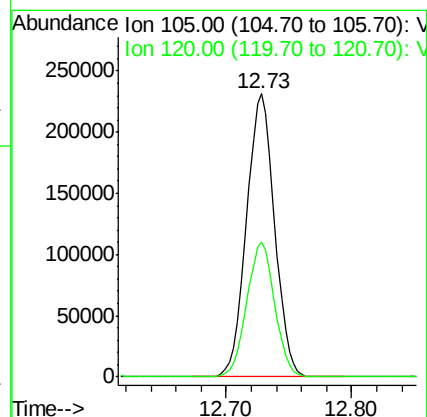
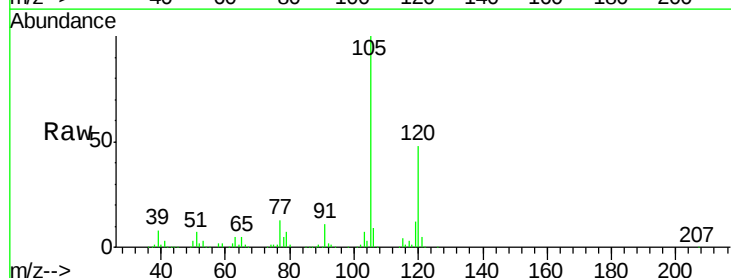
Acq: 20 Apr 2020 20:46

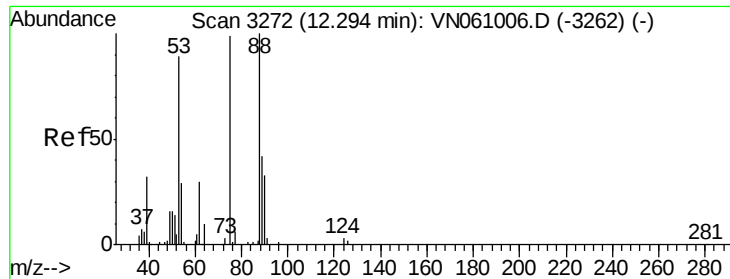
Tgt Ion: 105 Resp: 359191

Ion Ratio Lower Upper

105 100

120 47.4 23.6 70.8





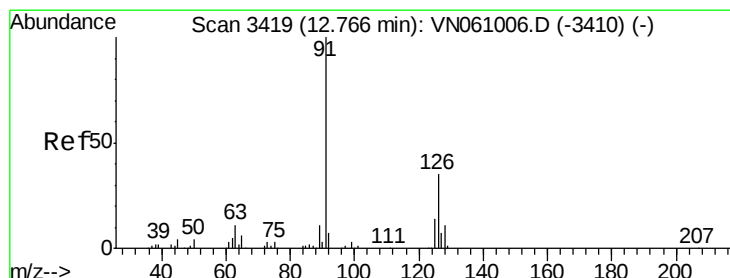
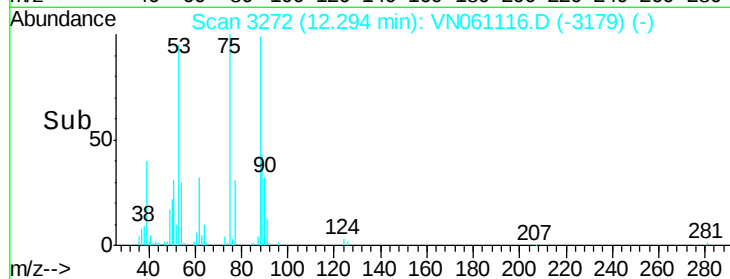
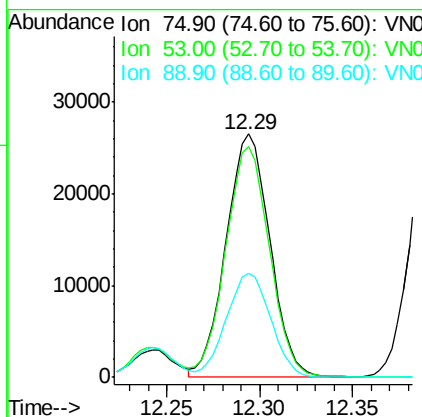
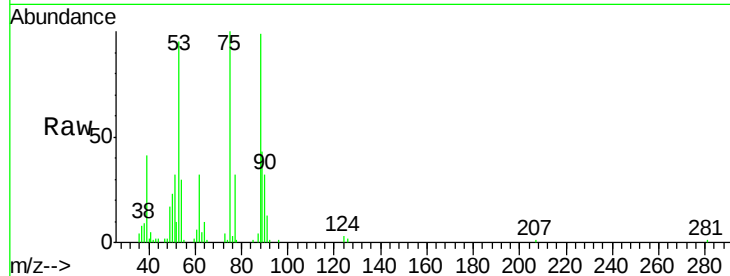
#81
trans-1,4-Dichloro-2-butene
Concen: 44.297 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	74.7	112.1
89	43.0	34.6	52.0

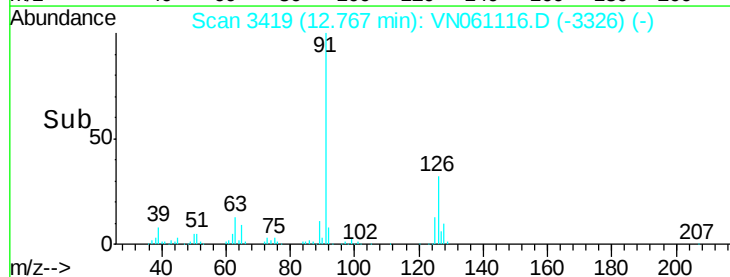
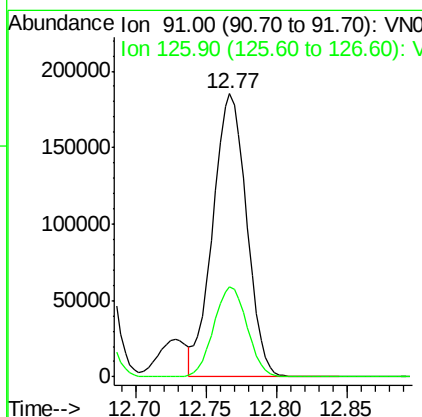
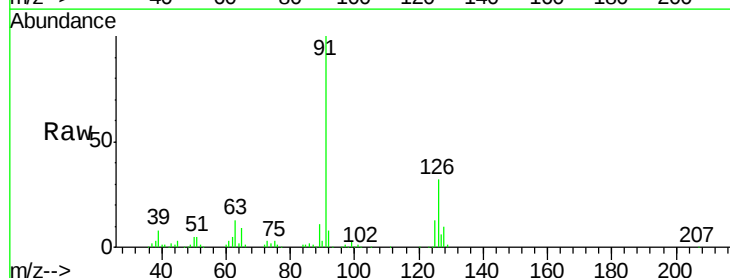
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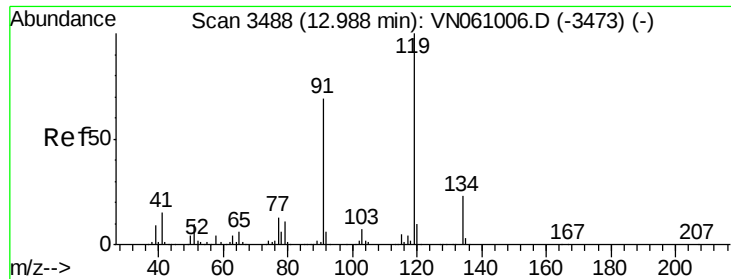
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.955 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





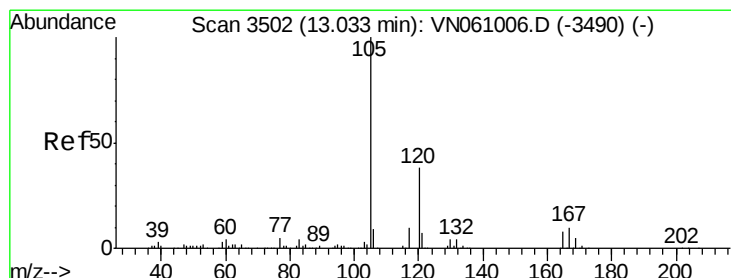
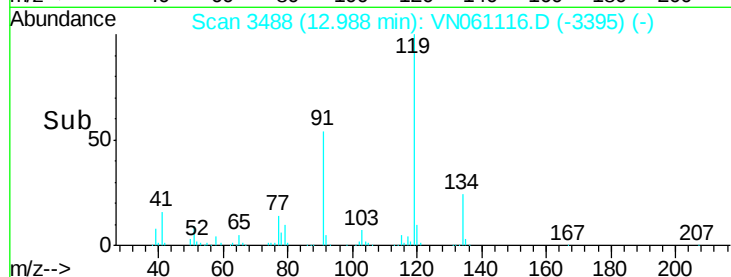
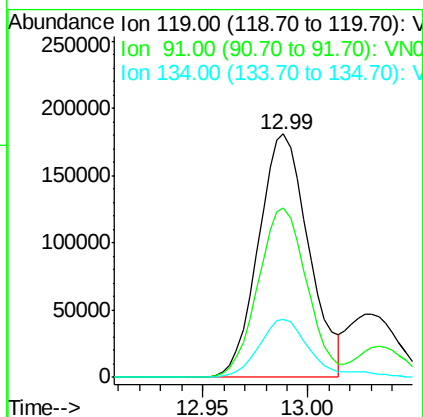
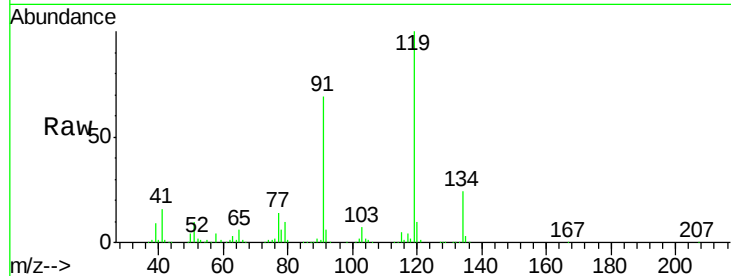
#83
 tert-Butylbenzene
 Concen: 48.712 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299649		
91	68.2		34.1	102.3
134	24.8		12.4	37.2

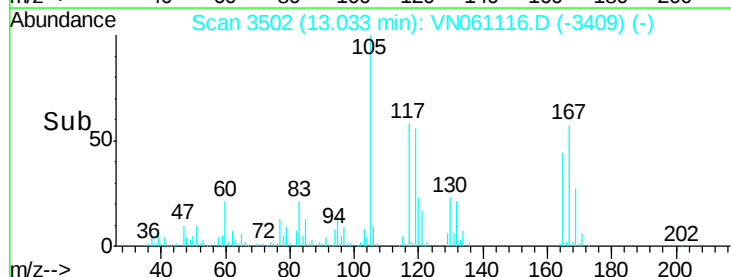
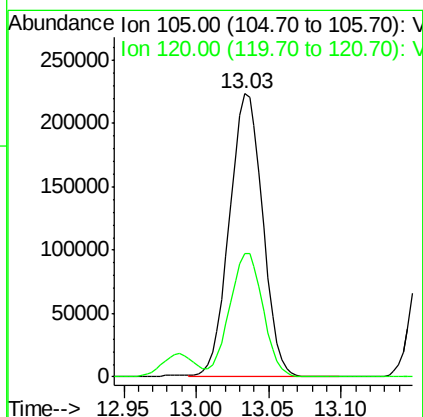
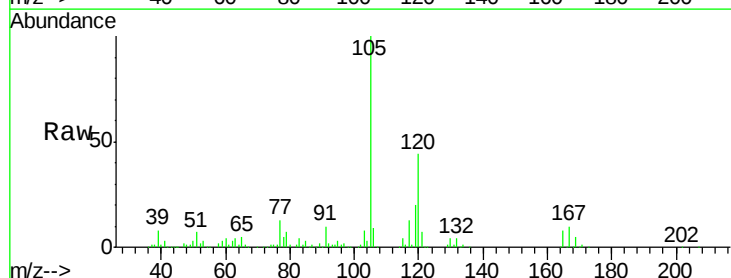
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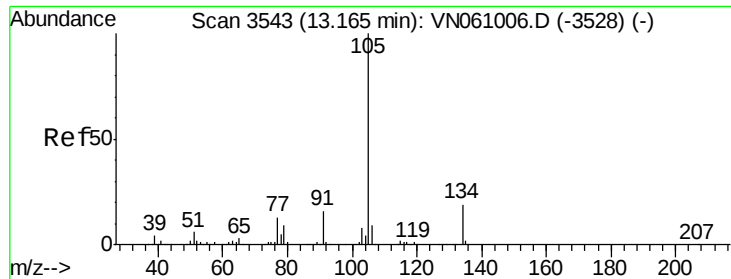
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.363 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	356906		
120	43.9		22.1	66.5





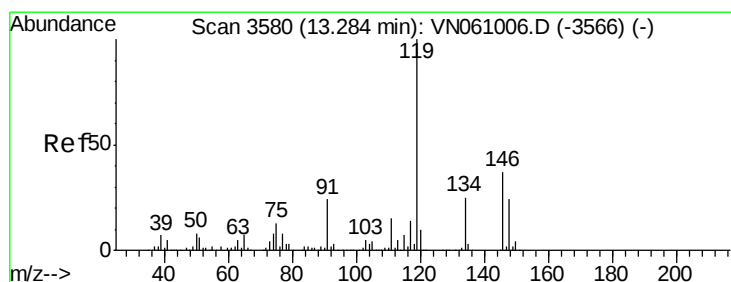
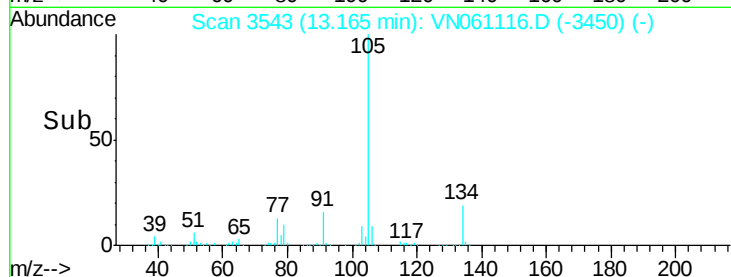
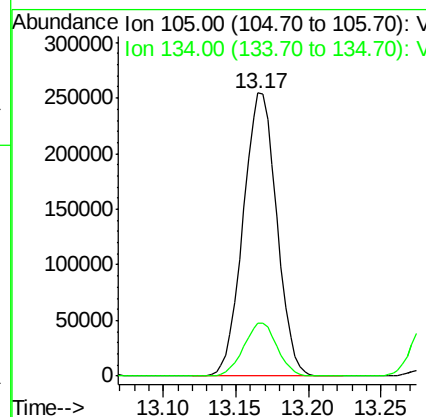
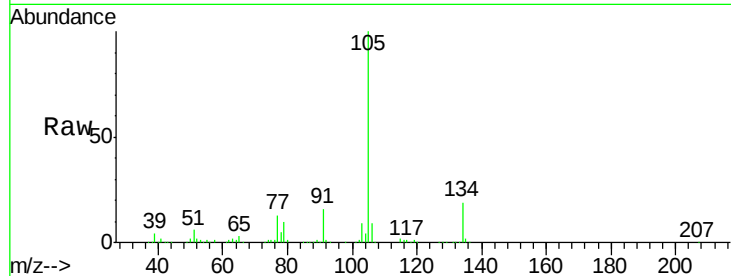
#85
 sec-Butylbenzene
 Concen: 49.222 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.5	28.5

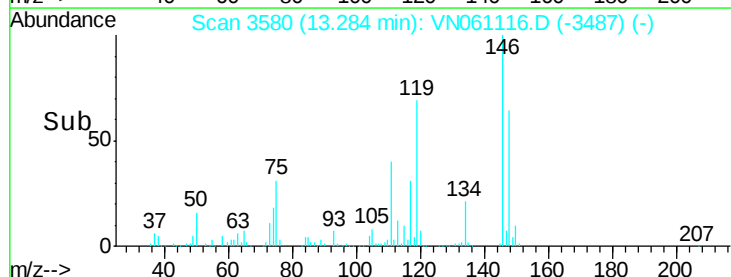
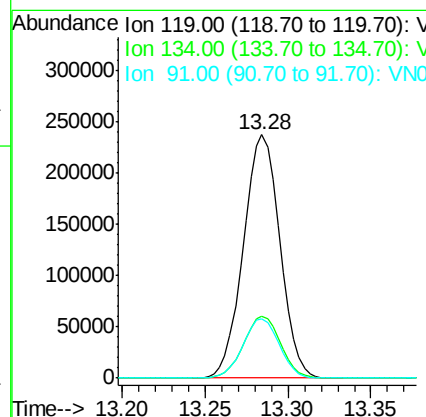
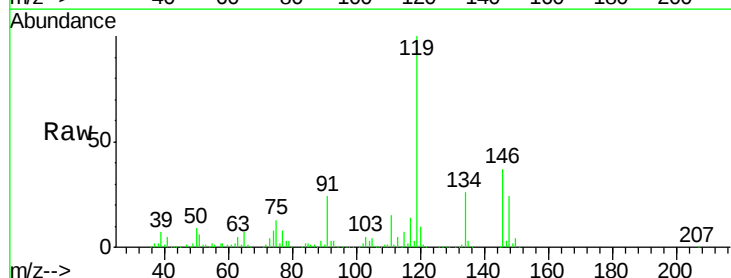
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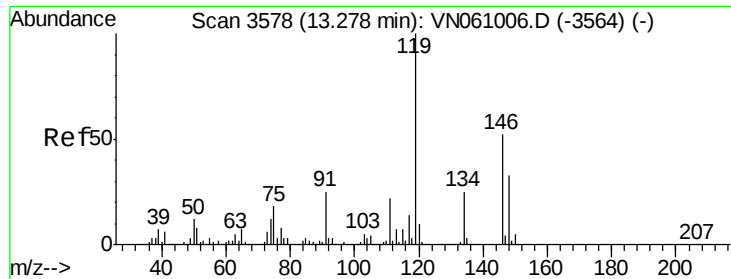
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#86
 p-Isopropyltoluene
 Concen: 48.942 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.6	12.3	36.8





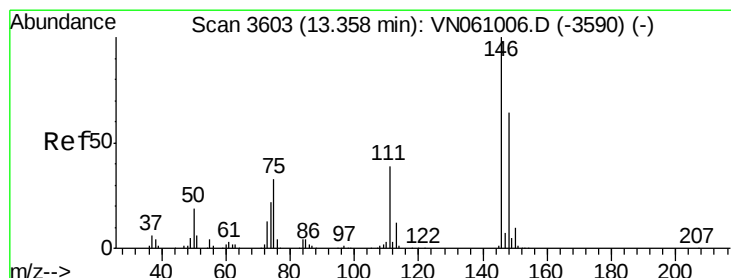
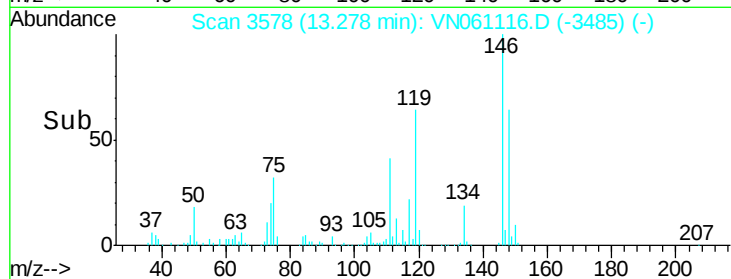
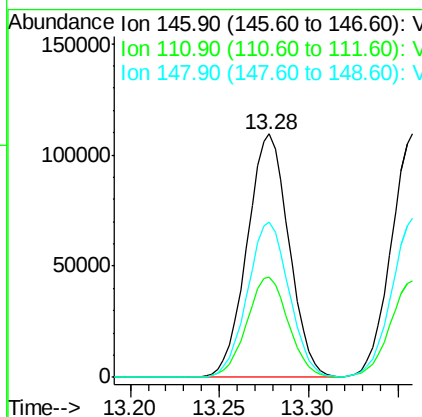
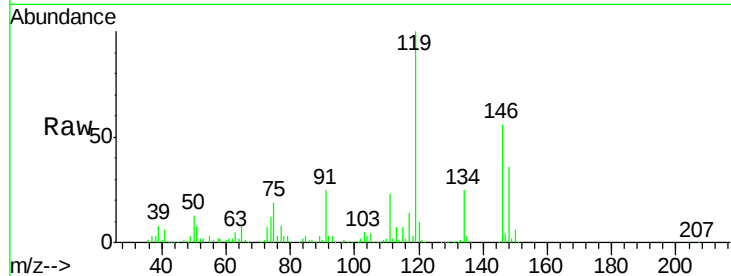
#87
 1,3-Dichlorobenzene
 Concen: 48.687 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.8
148	63.6	31.8	95.3

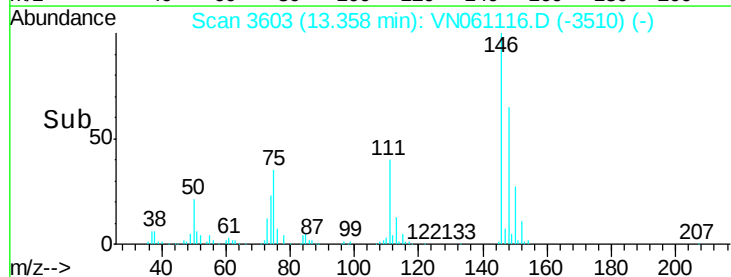
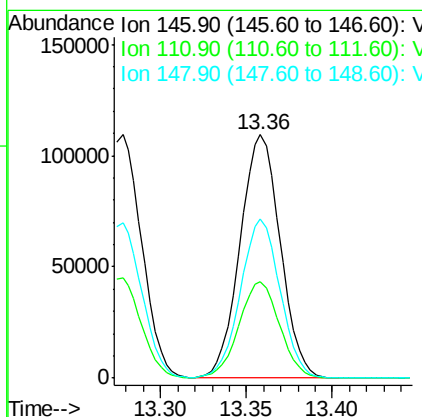
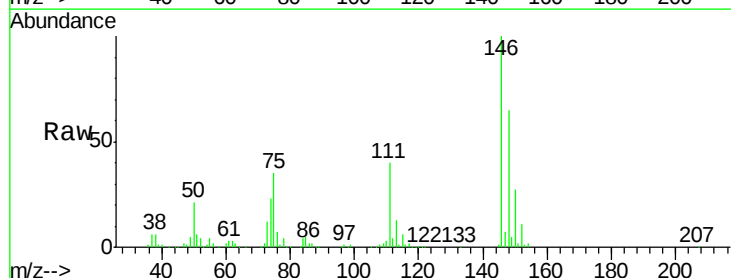
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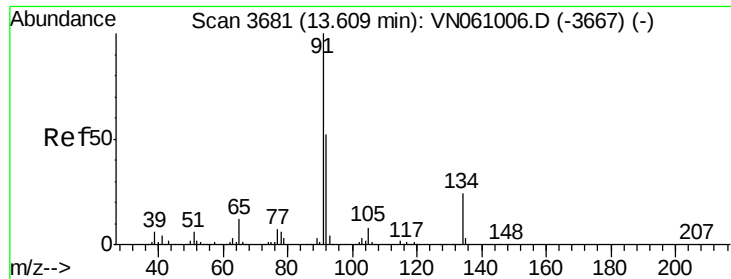
MMDadoda
 4/21/2020 12:02:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.924 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	64.6	32.1	96.3





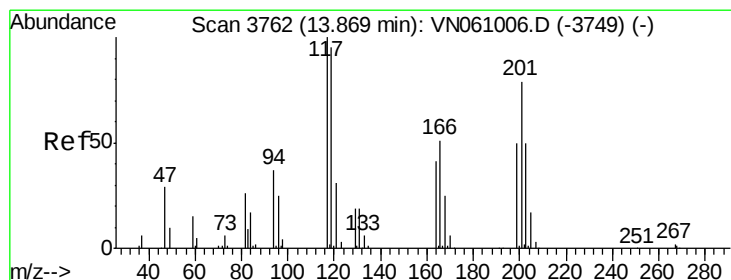
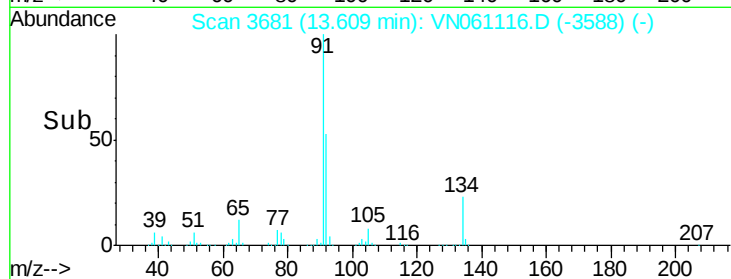
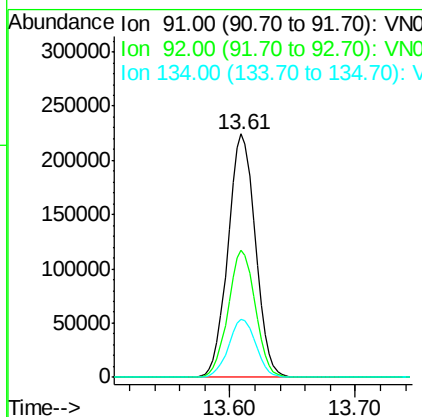
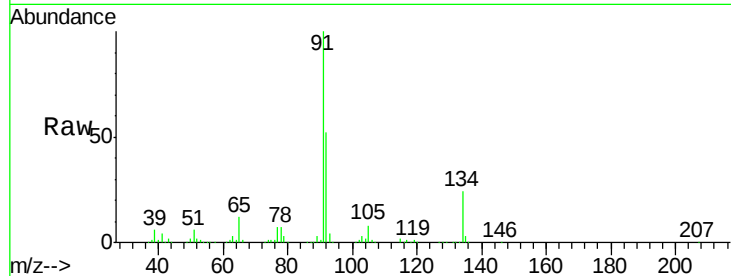
#89
n-Butylbenzene
Concen: 49.256 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	23.9	12.3	36.8

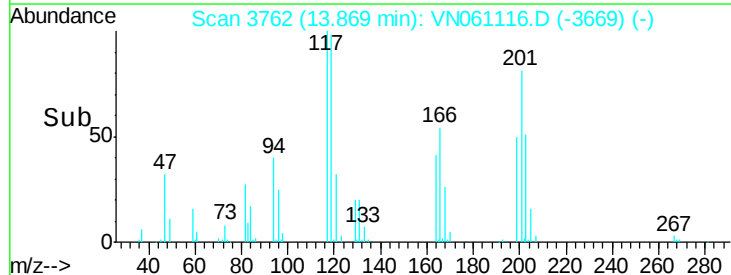
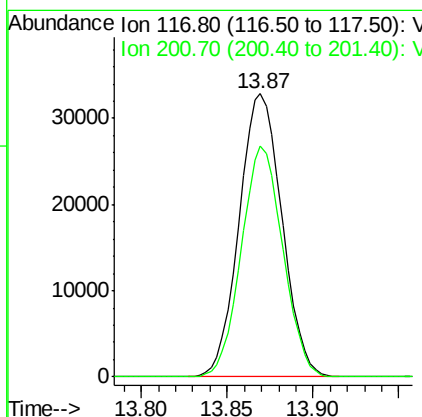
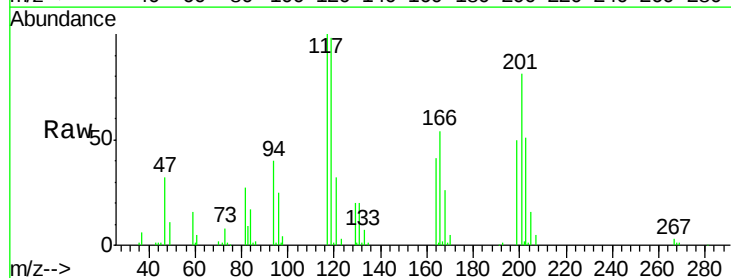
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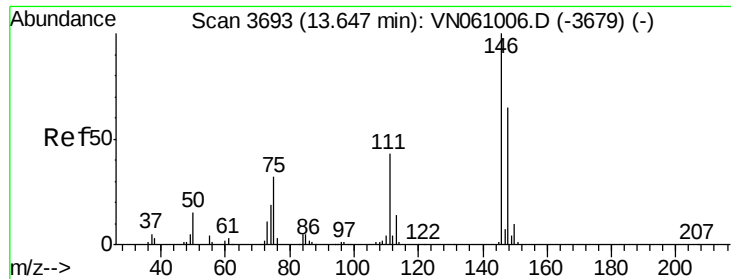
MMDadoda
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#90
Hexachloroethane
Concen: 49.956 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.3	117.9





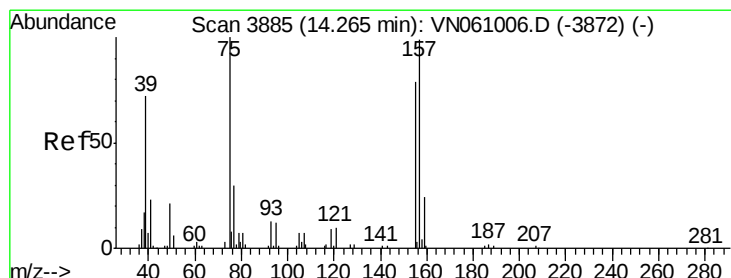
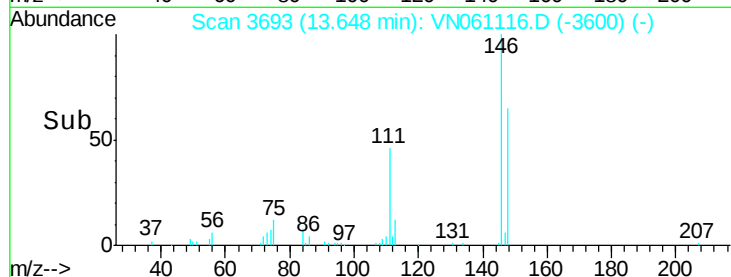
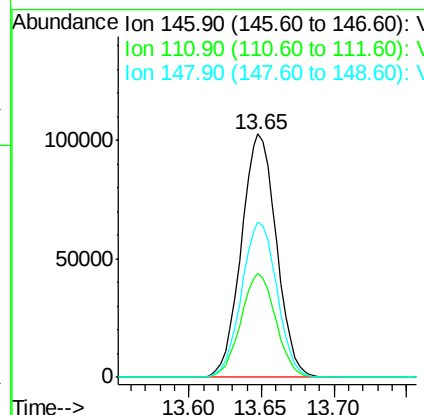
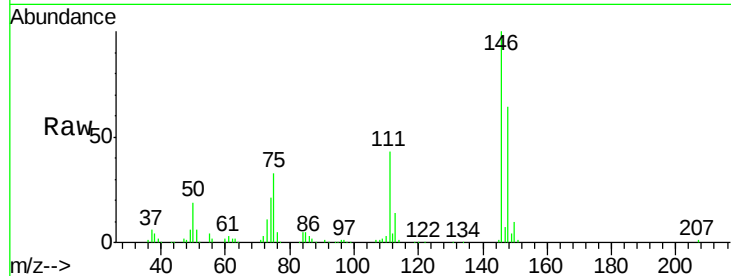
#91
 1,2-Dichlorobenzene
 Concen: 49.066 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	64.3	32.0	96.0

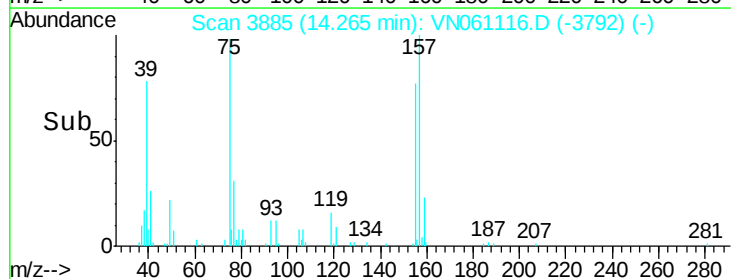
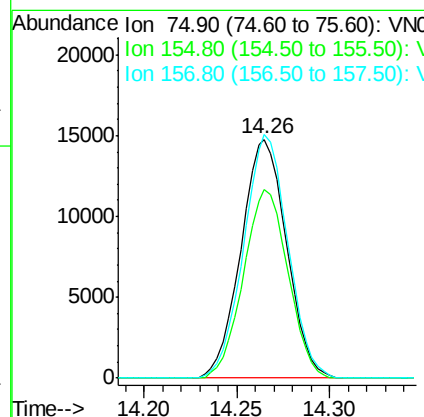
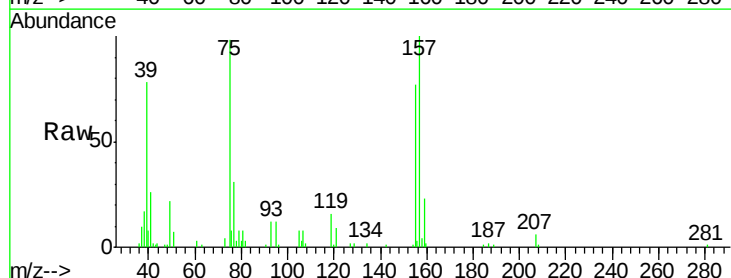
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.206 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	39.5	118.5
157	99.0	50.1	150.4





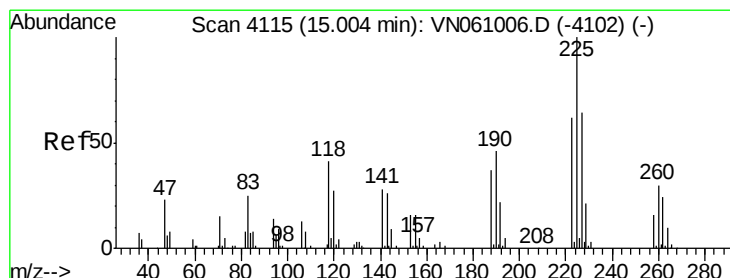
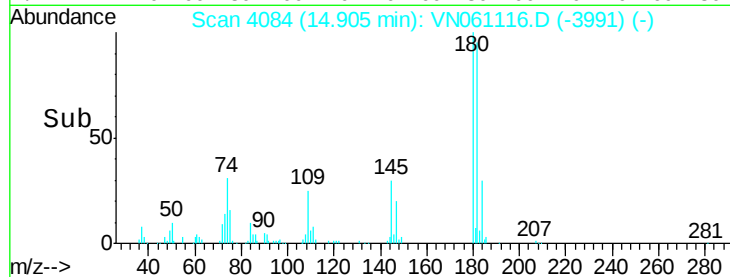
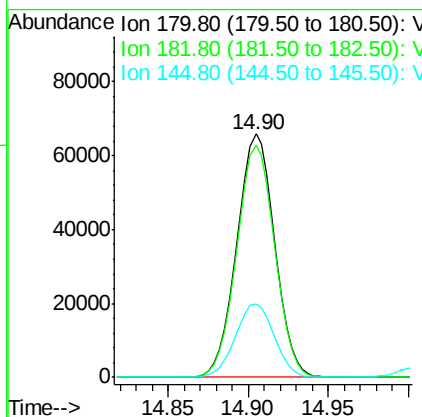
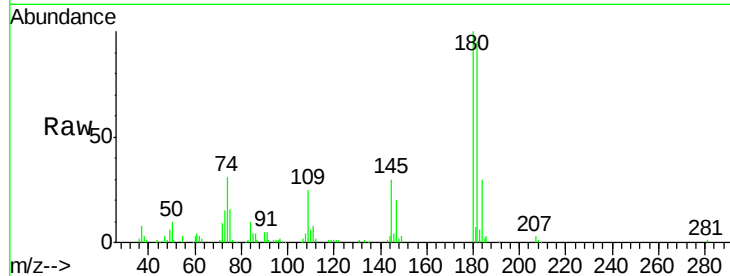
#93
 1,2,4-Trichlorobenzene
 Concen: 50.877 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105828		
182	95.8	47.8	143.3	
145	31.1	15.3	45.8	

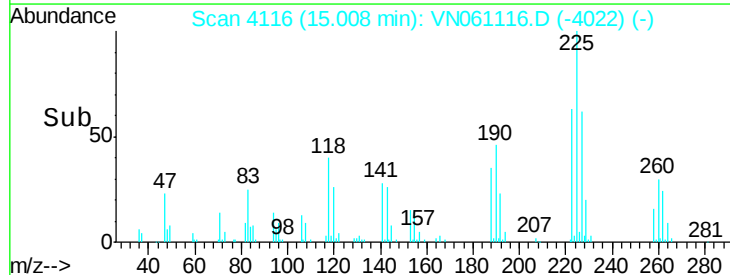
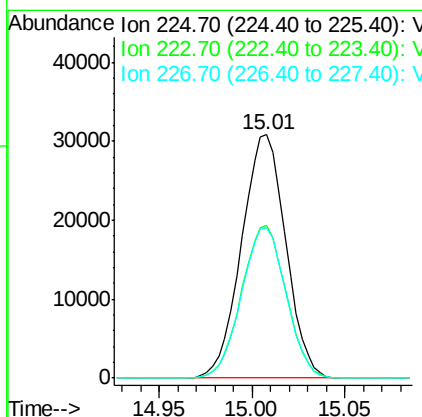
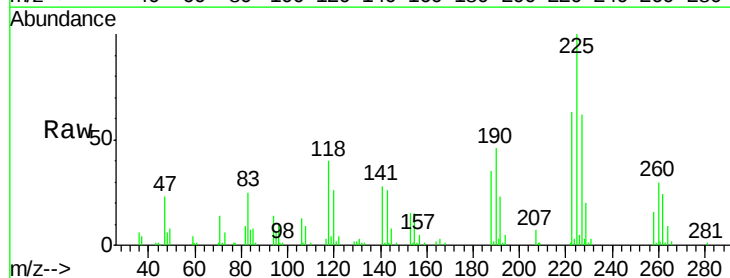
Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:35 PM



#94
 Hexachlorobutadiene
 Concen: 47.575 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061116.D
 Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50908		
223	63.0	31.3	93.8	
227	62.6	31.9	95.5	





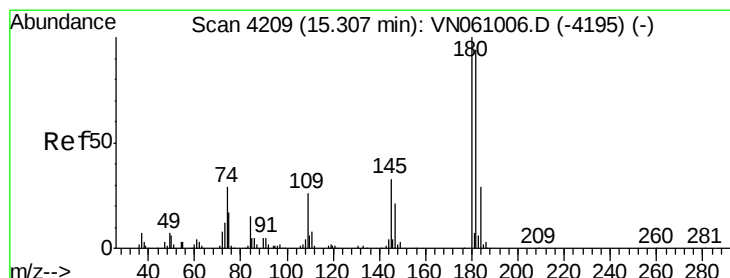
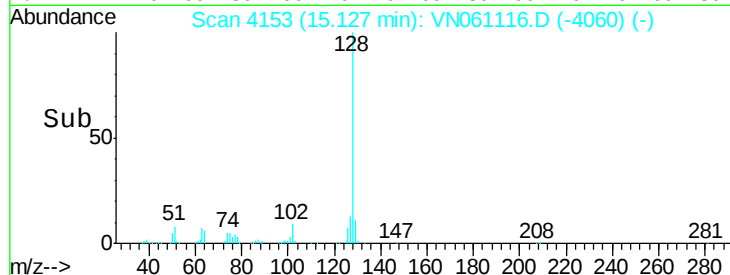
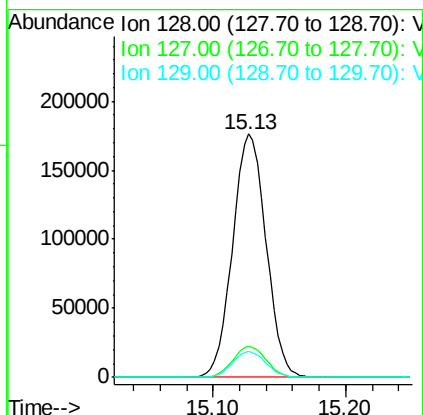
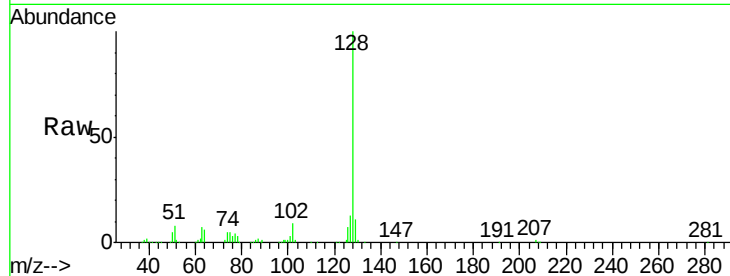
#95
Naphthalene
Concen: 50.833 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/21/2020 12:02:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.700 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061116.D
Acq: 20 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	32.5	16.4	49.2

