

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
 Data File : VN061612.D
 Acq On : 2 Jun 2020 11:51
 Operator : JC/MD
 Sample : VN0602MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:32:20 AM

Quant Time: Jun 03 01:22:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	312717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	528102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	490062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	238613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	189320	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.54	113	149916	55.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.92%	
50) Toluene-d8	10.06	98	616932	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.37	95	221933	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65632	18.908	ug/l	99
3) Chloromethane	2.03	50	67838	17.786	ug/l	99
4) Vinyl Chloride	2.16	62	92975	17.788	ug/l	98
5) Bromomethane	2.54	94	60808	20.275	ug/l	97
6) Chloroethane	2.67	64	60192	17.891	ug/l	100
7) Trichlorofluoromethane	2.98	101	123158	18.272	ug/l	97
8) Diethyl Ether	3.37	74	37229	18.064	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56562	18.911	ug/l	98
10) Methyl Iodide	3.91	142	77378	18.636	ug/l	99
11) Tert butyl alcohol	4.73	59	48931	98.735	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	56029	17.534	ug/l	94
13) Acrolein	3.57	56	15421	87.497	ug/l	98
14) Allyl chloride	4.27	41	73438	17.579	ug/l	96
15) Acrylonitrile	4.92	53	122465	88.534	ug/l	98
16) Acetone	3.77	43	95871	89.382	ug/l	96
17) Carbon Disulfide	4.00	76	139433	19.833	ug/l	97
18) Methyl Acetate	4.27	43	58178	17.249	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	198360	18.214	ug/l	95
20) Methylene Chloride	4.50	84	65468	18.227	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	65549	18.190	ug/l	94
22) Diisopropyl ether	5.90	45	169228	18.380	ug/l	98
23) Vinyl Acetate	5.84	43	637681	86.895	ug/l	100
24) 1,1-Dichloroethane	5.79	63	106449	18.232	ug/l	97
25) 2-Butanone	6.78	43	146280	82.842	ug/l	96
26) 2,2-Dichloropropane	6.77	77	96733	18.102	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	77007	18.872	ug/l	99
28) Bromochloromethane	7.14	49	48429	21.294	ug/l	97
29) Tetrahydrofuran	7.16	42	99031	85.050	ug/l	98
30) Chloroform	7.32	83	122527	18.969	ug/l	96
31) Cyclohexane	7.61	56	92920	17.696	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	106679	18.125	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84652	18.107	ug/l	99
37) Ethyl Acetate	6.88	43	60825	16.153	ug/l #	94
38) Carbon Tetrachloride	7.73	117	82885	18.380	ug/l	97

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Manual Integrations
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MMDadoda
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Quant Time: Jun 03 01:22:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	104053	18.057	ug/l	98
40) Benzene	8.00	78	264290	18.322	ug/l	99
41) Methacrylonitrile	7.12	41	25128	14.565	ug/l	97
42) 1,2-Dichloroethane	8.08	62	90702	18.782	ug/l	99
43) Isopropyl Acetate	8.12	43	114158	16.851	ug/l	98
44) Trichloroethene	8.80	130	79999	18.046	ug/l	98
45) 1,2-Dichloropropane	9.08	63	63056	18.409	ug/l	99
46) Dibromomethane	9.17	93	47880	18.226	ug/l	99
47) Bromodichloromethane	9.37	83	95364	18.323	ug/l	98
48) Methyl methacrylate	9.17	41	48368	15.869	ug/l	97
49) 1,4-Dioxane	9.17	88	21924	464.315	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	317007	83.038	ug/l	98
52) Toluene	10.12	92	173679	18.447	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	101401	18.086	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	110147	18.271	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	69365	18.493	ug/l	96
56) Ethyl methacrylate	10.40	69	90250	17.224	ug/l	100
57) 1,3-Dichloropropane	10.68	76	112301	18.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	193233	86.297	ug/l	99
59) 2-Hexanone	10.72	43	223250	81.428	ug/l	100
60) Dibromochloromethane	10.87	129	79637	18.675	ug/l	98
61) 1,2-Dibromoethane	10.98	107	72133	18.439	ug/l	99
64) Tetrachloroethene	10.60	164	84769	18.376	ug/l	98
65) Chlorobenzene	11.40	112	187013	18.359	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	71313	18.801	ug/l	99
67) Ethyl Benzene	11.48	91	324314	18.420	ug/l	99
68) m/p-Xylenes	11.59	106	256407	36.729	ug/l	99
69) o-Xylene	11.92	106	123729	18.660	ug/l	100
70) Styrene	11.94	104	198406	18.069	ug/l	99
71) Bromoform	12.10	173	50359	17.230	ug/l #	99
73) Isopropylbenzene	12.22	105	326970	18.775	ug/l	98
74) N-amyl acetate	12.04	43	89876	16.387	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	86734	17.772	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	80759m	18.613	ug/l	
77) Bromobenzene	12.50	156	83154	18.705	ug/l	99
78) n-propylbenzene	12.56	91	359111	18.470	ug/l	99
79) 2-Chlorotoluene	12.65	91	209881	18.104	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	271813	18.673	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27363	16.127	ug/l	94
82) 4-Chlorotoluene	12.75	91	221574	18.168	ug/l	100
83) tert-Butylbenzene	12.97	119	236606	18.397	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	270373	18.697	ug/l	99
85) sec-Butylbenzene	13.15	105	307732	18.569	ug/l	99
86) p-Isopropyltoluene	13.26	119	283926	18.603	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	146890	18.660	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	147491	18.392	ug/l	99
89) n-Butylbenzene	13.59	91	237239	18.558	ug/l	99
90) Hexachloroethane	13.85	117	33486	19.839	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	144478	19.205	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16647	16.725	ug/l	96

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Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

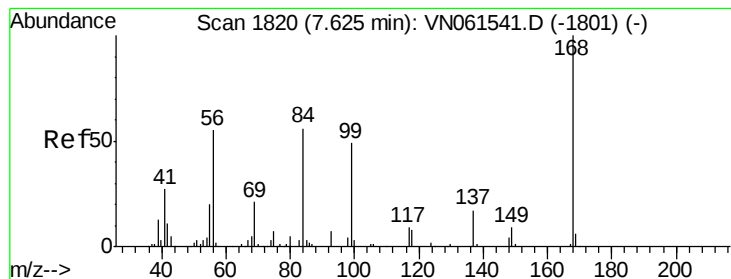
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	82421	18.733	ug/l	98
94) Hexachlorobutadiene	14.98	225	35807	19.082	ug/l	98
95) Naphthalene	15.10	128	236866	17.688	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	80715	18.659	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0602MBS01

Tot Ion:168 Resp: 312717

Ion Ratio Lower Upper

168 100

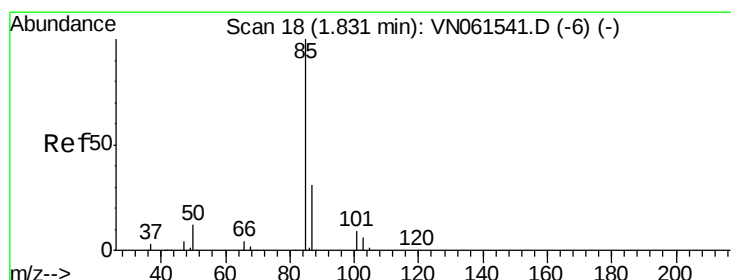
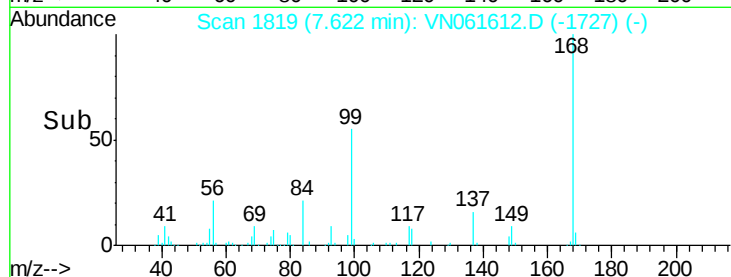
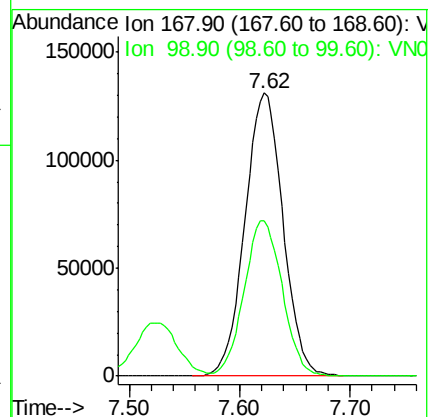
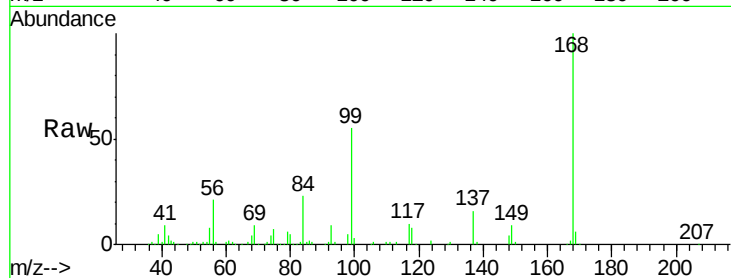
99 54.8 45.0 67.4

Manual Integrations

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6/3/2020 11:32:20 AM



#2

Dichlorodifluoromethane

Concen: 18.908 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061612.D

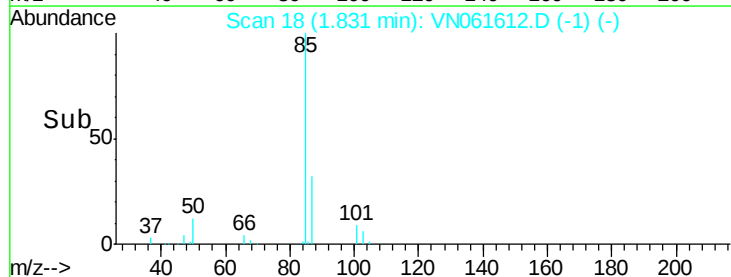
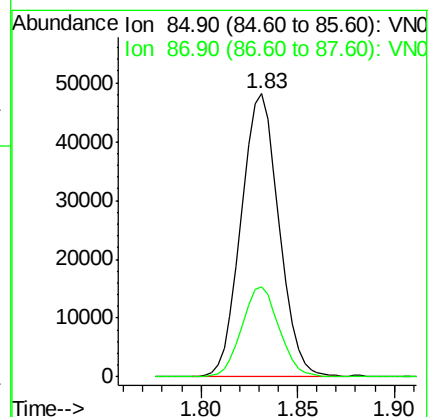
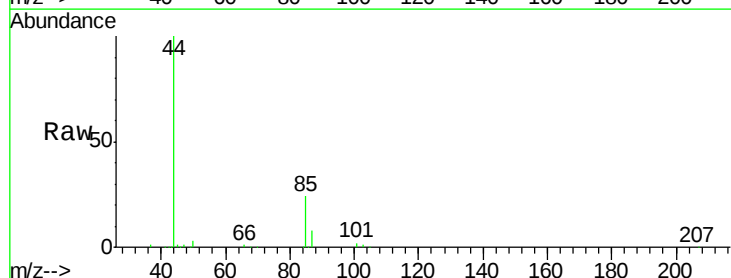
Acq: 2 Jun 2020 11:51

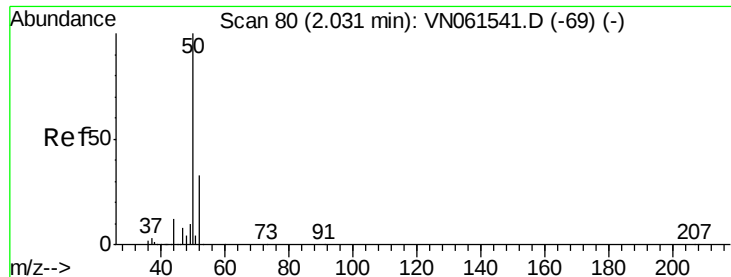
Tgt Ion: 85 Resp: 65632

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.8





#3

Chloromethane

Concen: 17.786 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBS01

Tot Ion: 50 Resp: 67838

Ion Ratio Lower Upper

50 100

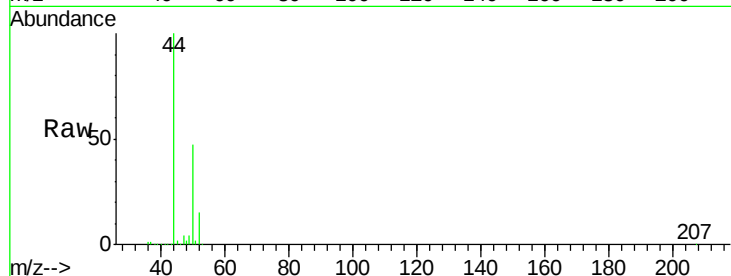
52 32.8 26.7 40.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN061612.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN061612.D (-1) (-)

2.03

60000

50000

40000

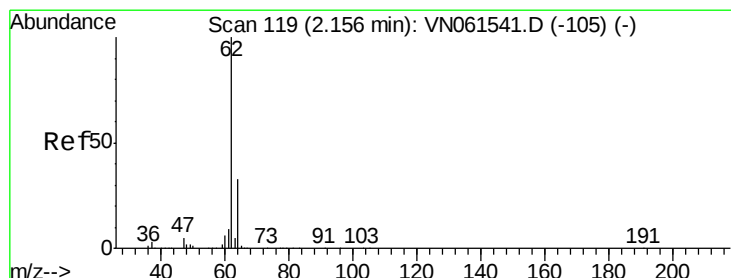
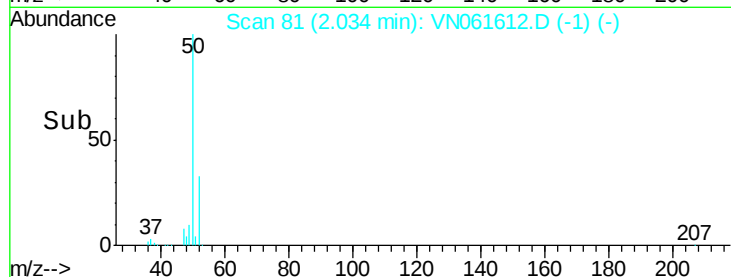
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 17.788 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061612.D

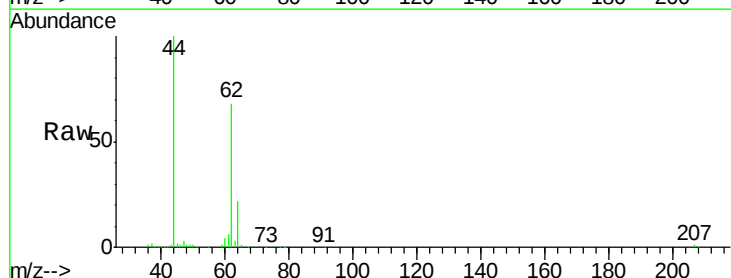
Acq: 2 Jun 2020 11:51

Tgt Ion: 62 Resp: 92975

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN061612.D (-26) (-)

Ion 63.90 (63.60 to 64.60): VN061612.D (-26) (-)

2.16

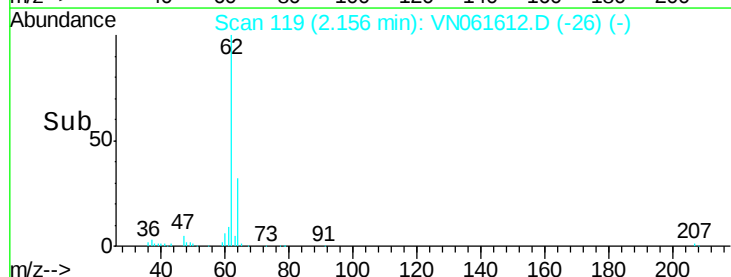
60000

40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.275 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBS01

Tot Ion: 94 Resp: 60808

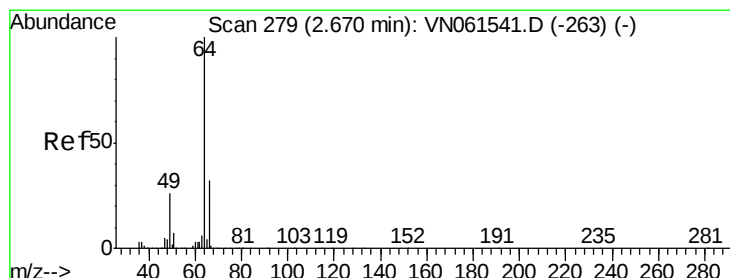
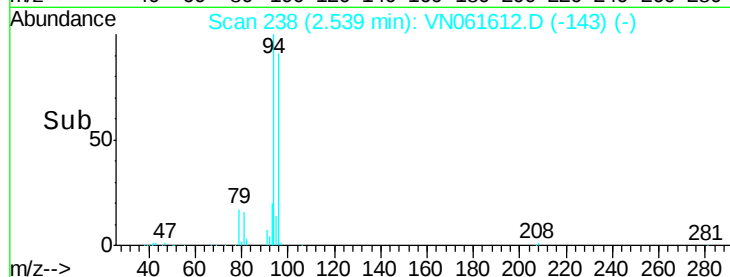
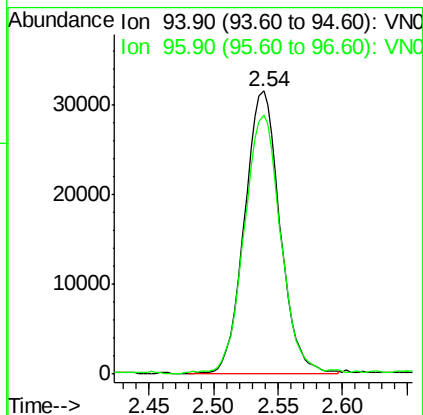
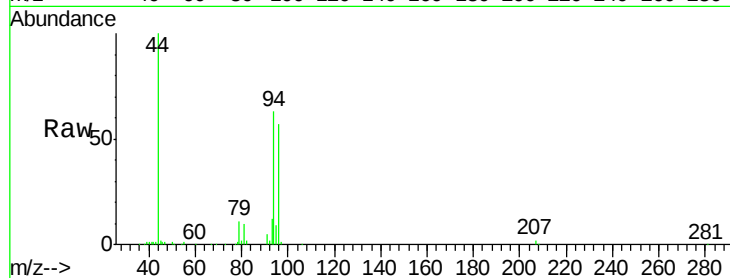
Ion Ratio Lower Upper

94 100

96 90.5 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 17.891 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061612.D

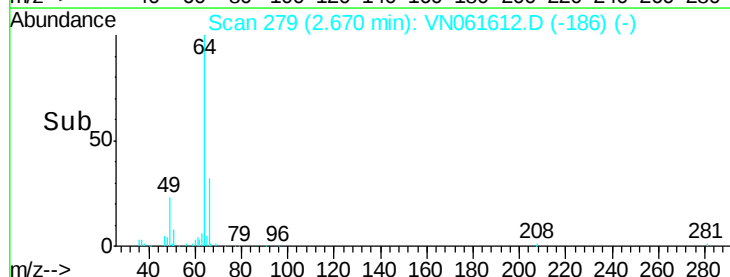
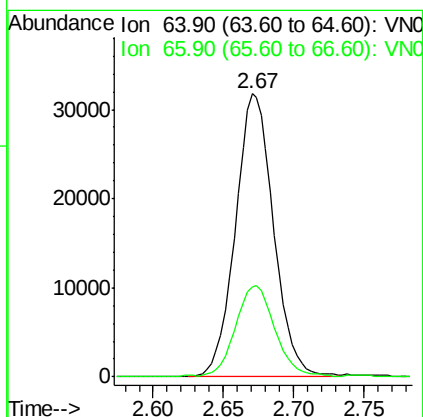
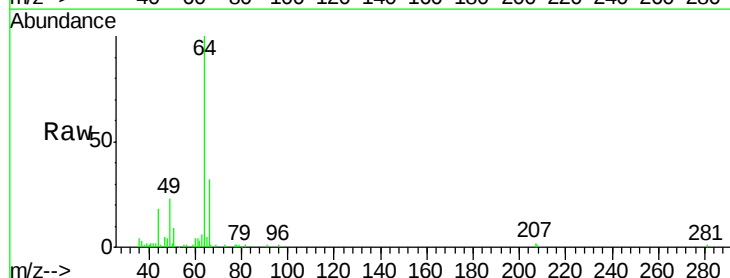
Acq: 2 Jun 2020 11:51

Tgt Ion: 64 Resp: 60192

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4





#7

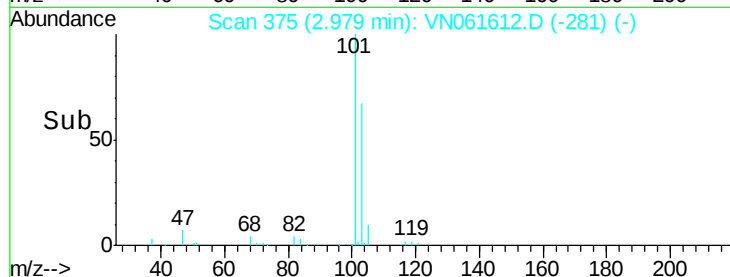
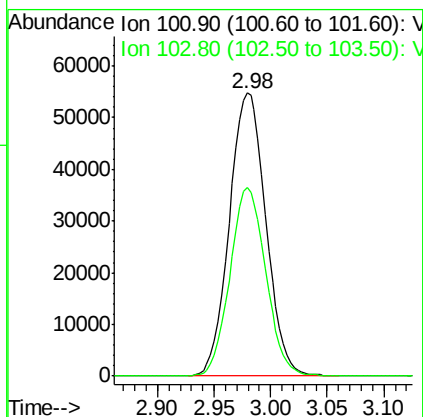
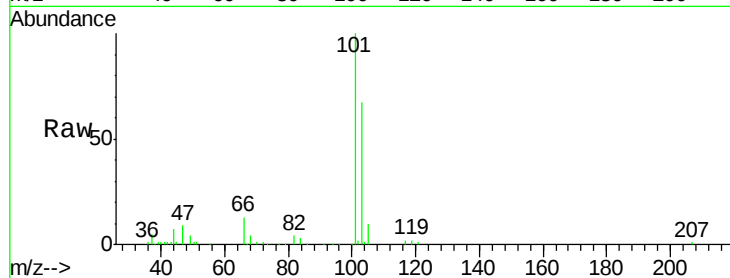
Trichlorofluoromethane
Concen: 18.272 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
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ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	123158		
103	66.3	51.4	77.2	

Manual Integrations
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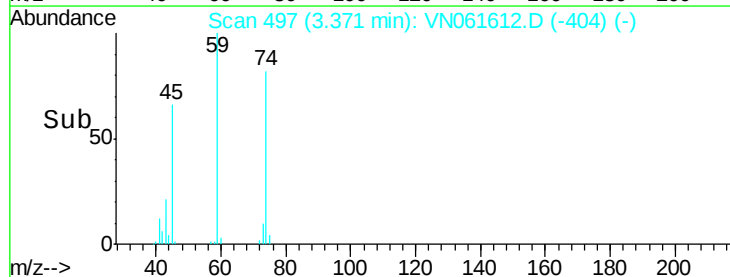
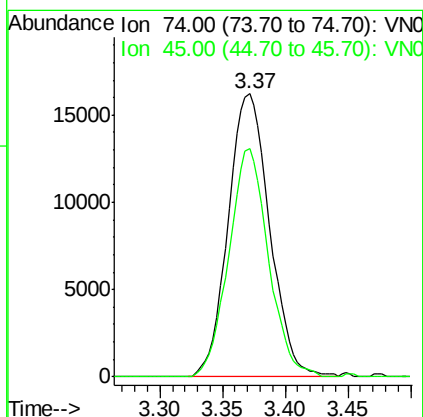
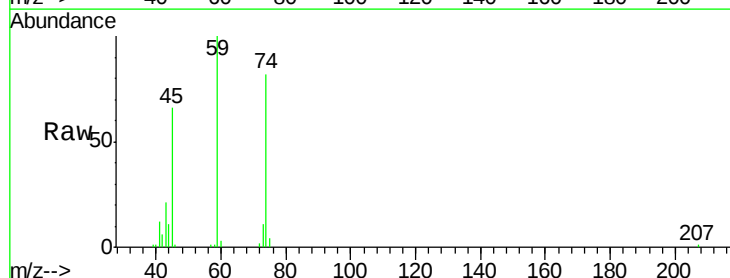
MMDadoda
6/3/2020 11:32:20 AM

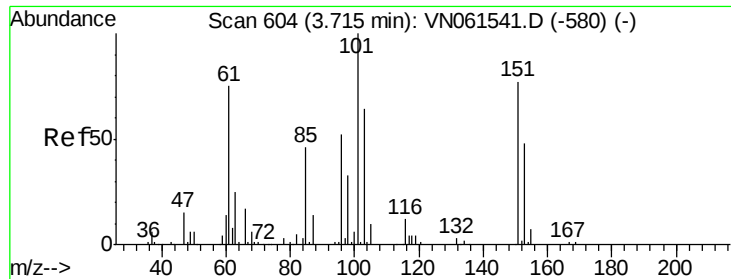


#8

Diethyl Ether
Concen: 18.064 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37229		
45	77.1	39.9	119.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.911 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

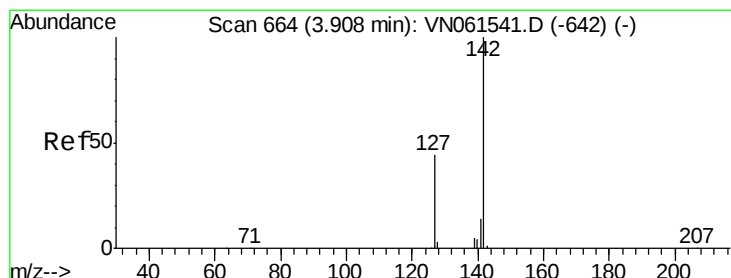
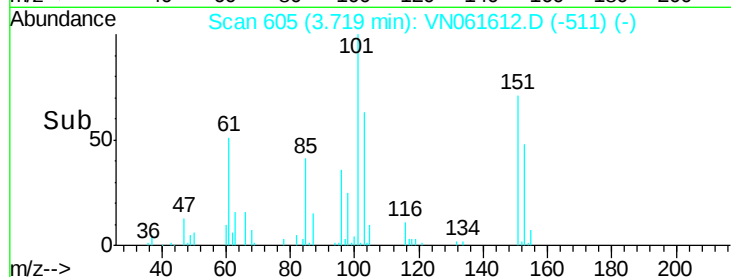
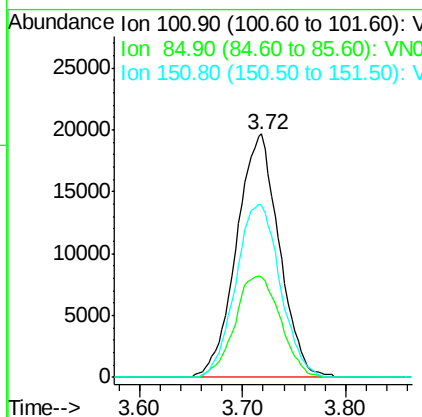
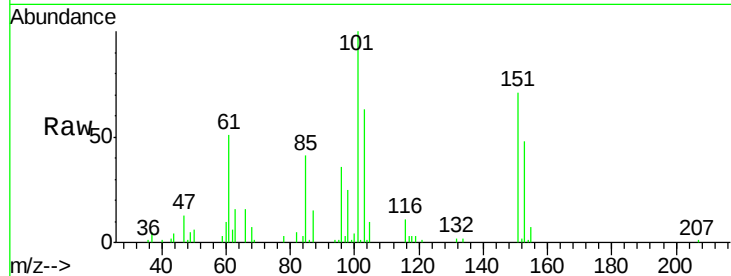
ClientSampled :

VN0602MBS01

Tot Ion:	101	Resp:	56562
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	73.9	61.0	91.6

Manual Integrations
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6/3/2020 11:32:20 AM



#10

Methyl Iodide

Concen: 18.636 ug/l

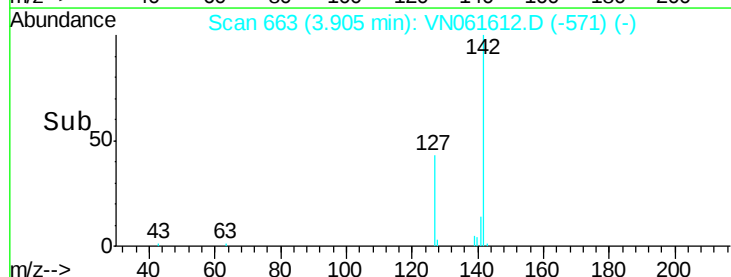
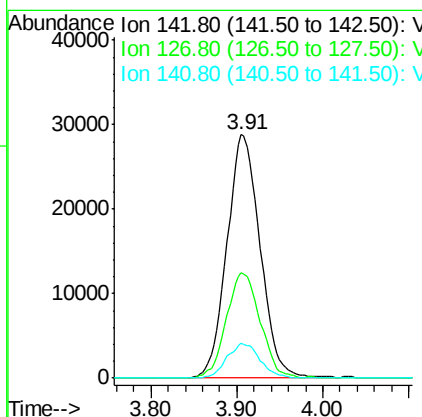
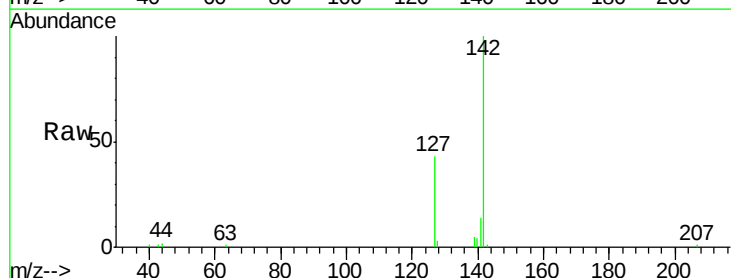
RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	142	Resp:	77378
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.5	53.3
141	14.1	11.5	17.3





#11

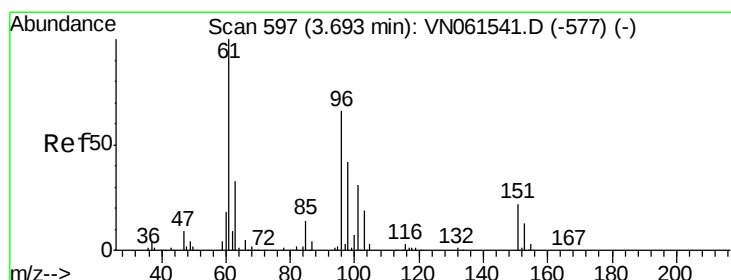
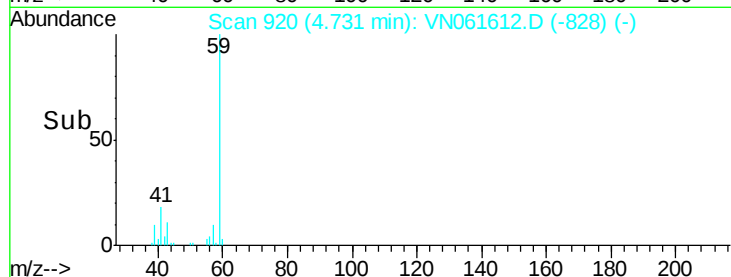
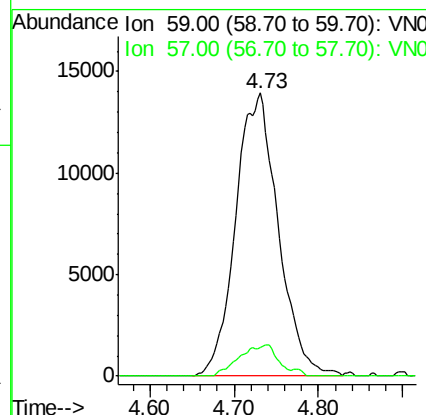
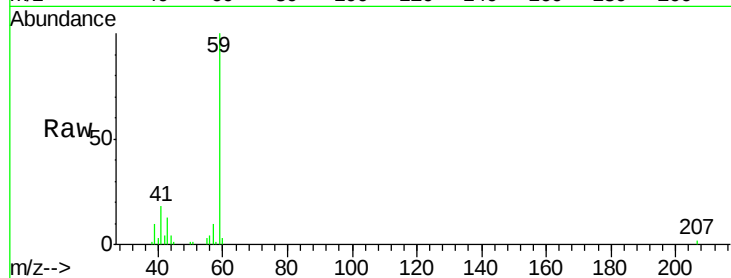
Tert butyl alcohol
Concen: 98.735 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion	59	Resp	48931
Ion Ratio	100	Lower	Upper
57	4.7	8.4	12.6#

Manual Integrations
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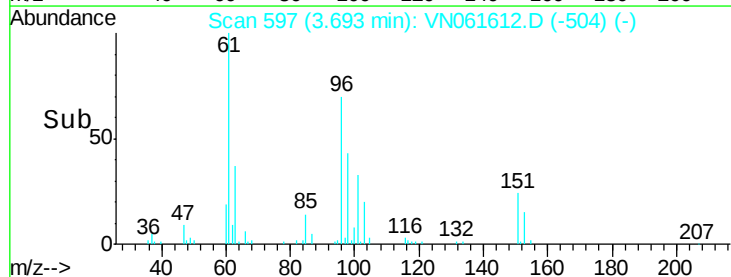
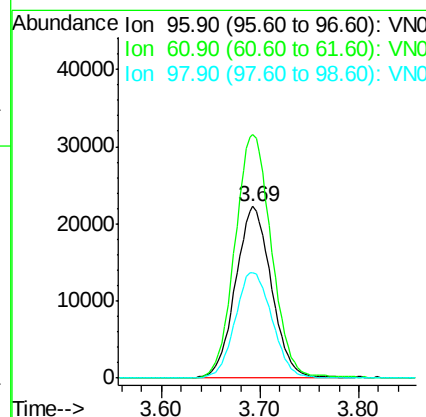
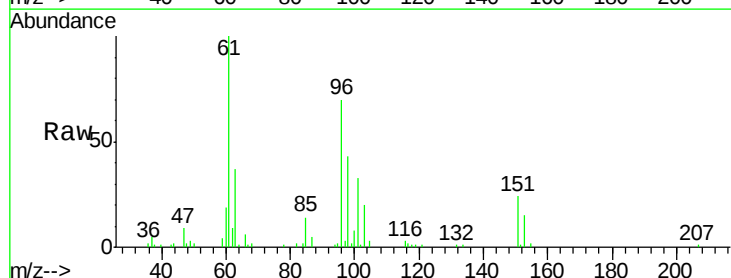
MMDadoda
6/3/2020 11:32:20 AM

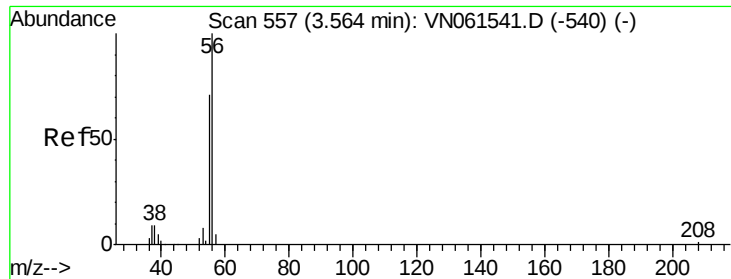


#12

1,1-Dichloroethene
Concen: 17.534 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	96	Resp	56029
Ion Ratio	100	Lower	Upper
61	142.0	120.5	180.7
98	61.6	50.8	76.2





#13

Acrolein

Concen: 87.497 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0602MBS01

Tot Ion: 56 Resp: 15421

Ion Ratio Lower Upper

56 100

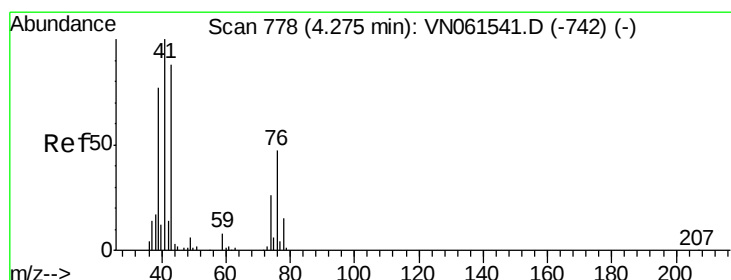
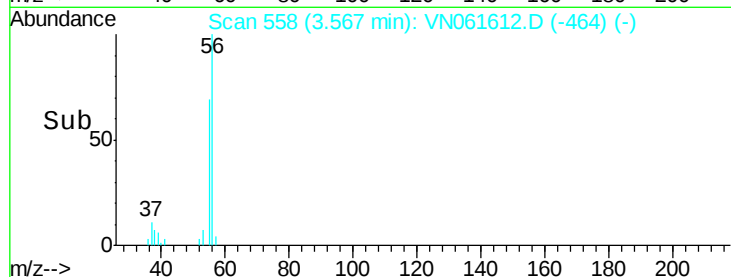
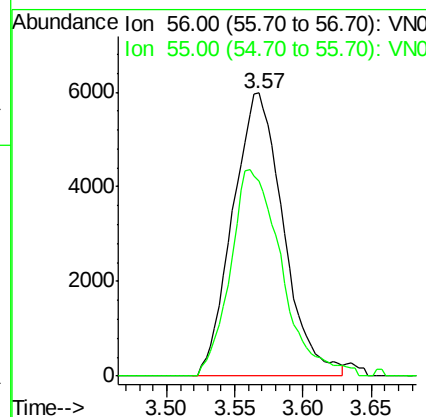
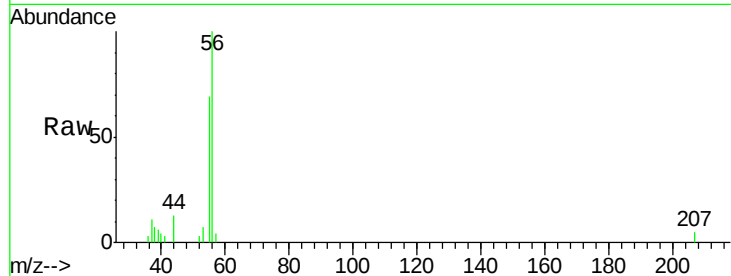
55 73.8 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 17.579 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

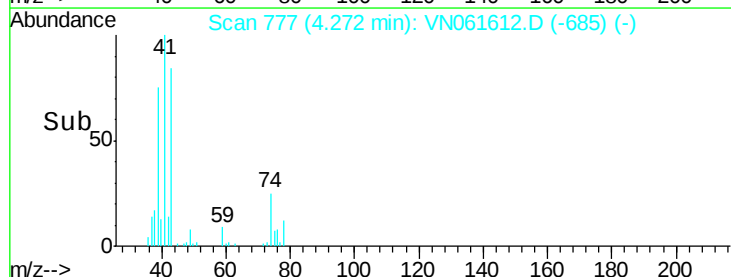
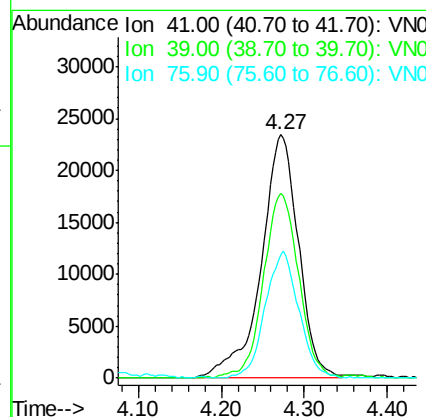
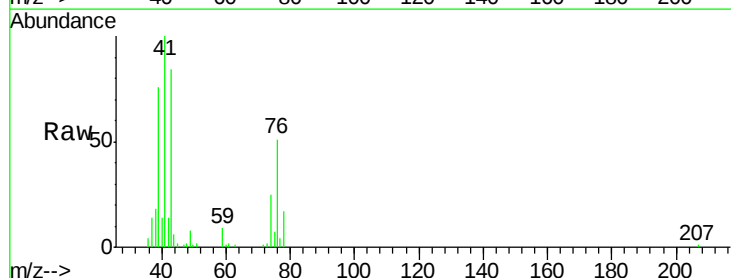
Tgt Ion: 41 Resp: 73438

Ion Ratio Lower Upper

41 100

39 71.5 58.6 88.0

76 46.8 34.2 51.4





#15

Acrylonitrile

Concen: 88.534 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

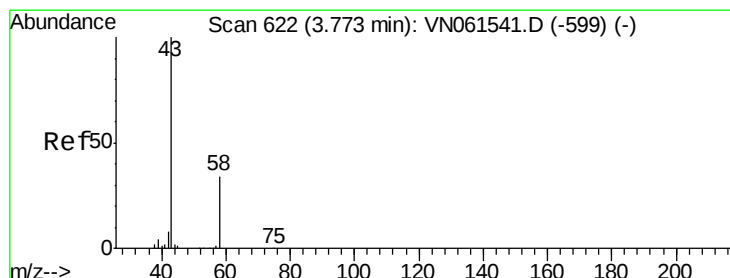
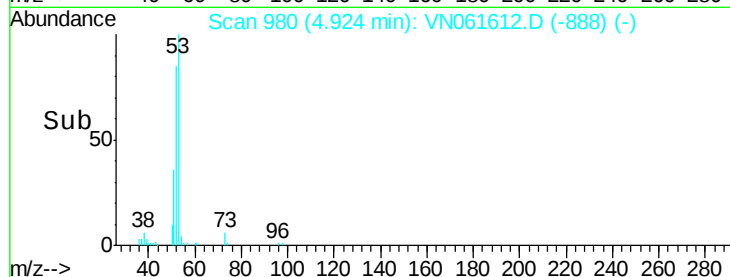
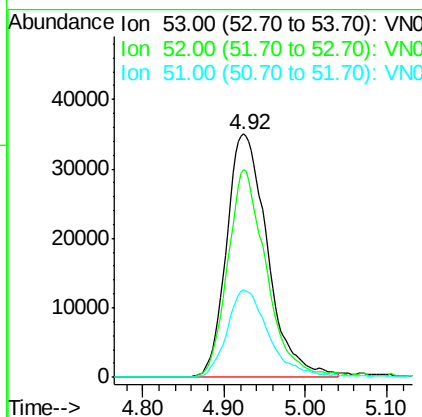
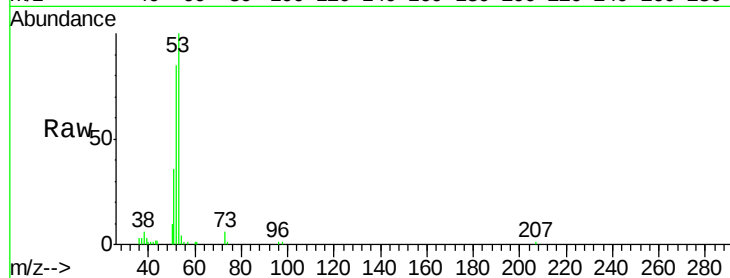
ClientSampleId :

VN0602MBS01

Tot Ion:	53	Resp:	122465
Ion Ratio	Lower	Upper	
53	100		
52	79.7	65.4	98.2
51	36.5	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 89.382 ug/l

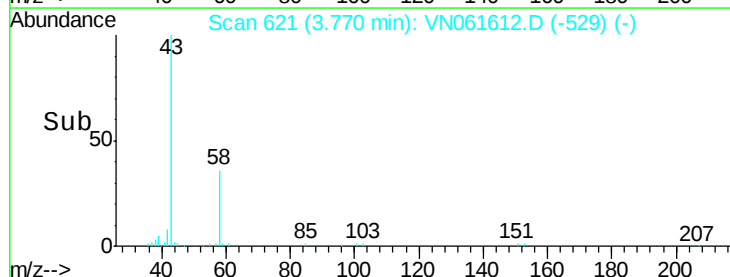
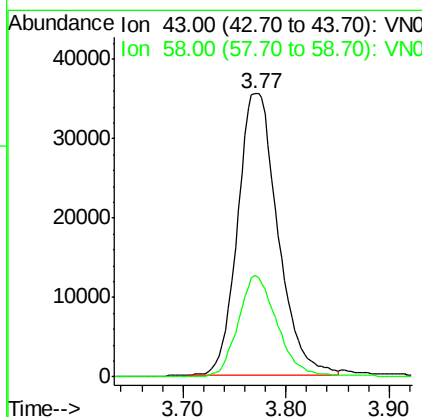
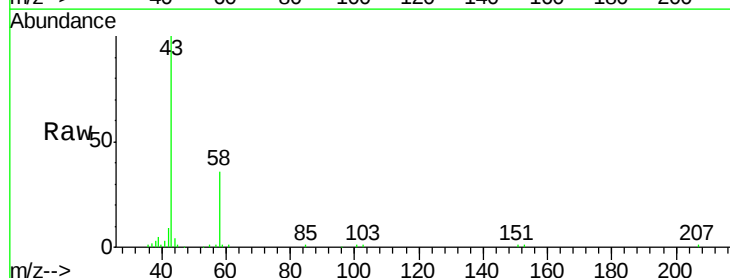
RT: 3.77 min Scan# 621

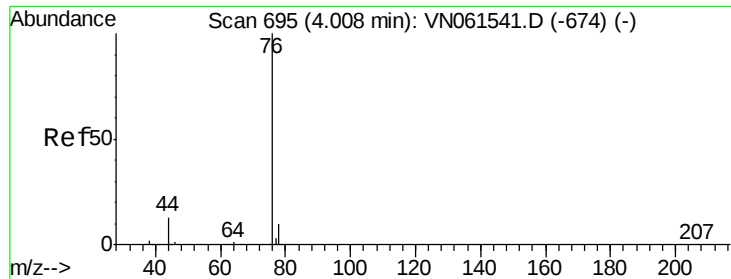
Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	43	Resp:	95871
Ion Ratio	Lower	Upper	
43	100		
58	36.3	27.2	40.8





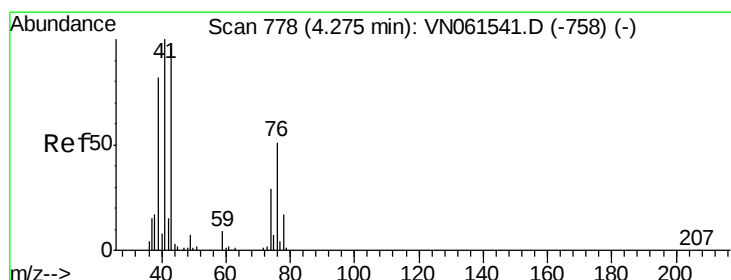
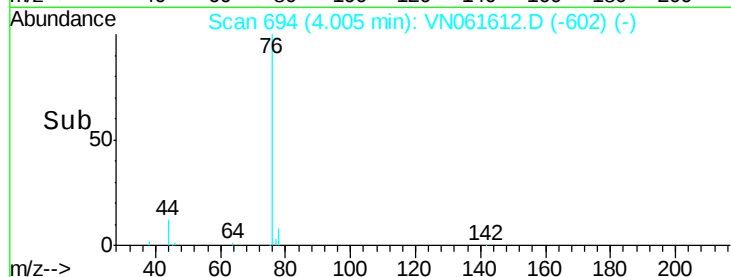
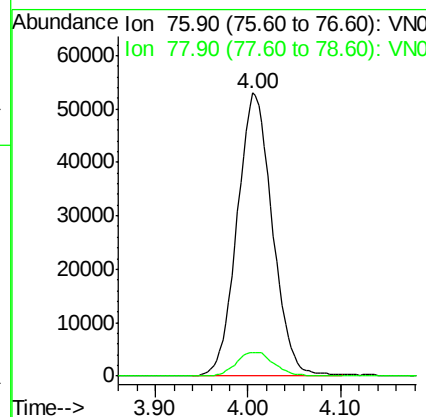
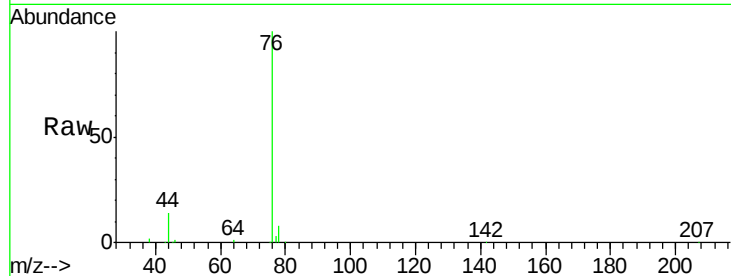
#17
Carbon Disulfide
Concen: 19.833 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.8	11.6

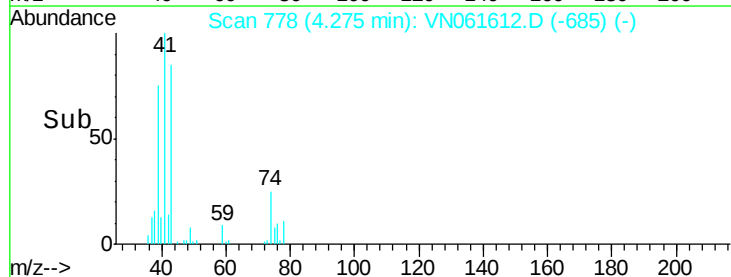
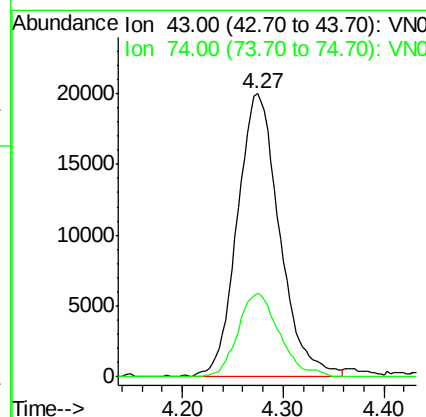
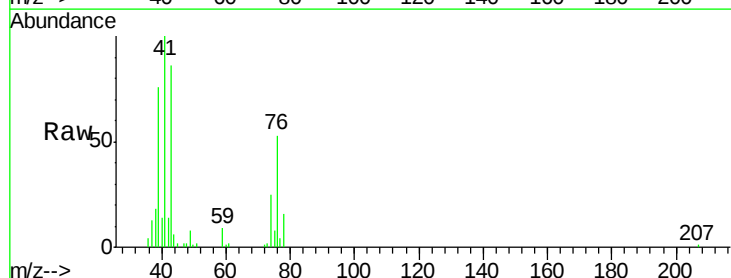
Manual Integrations
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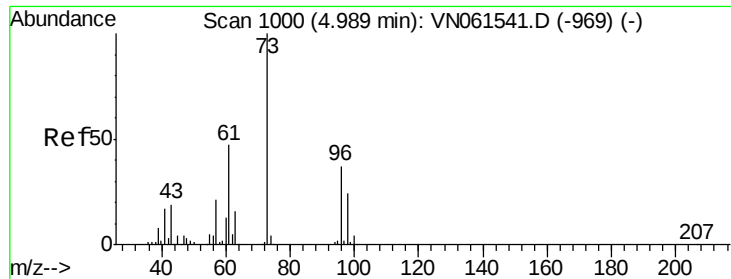
MMDadoda
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#18
Methyl Acetate
Concen: 17.249 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.0	23.2	34.8





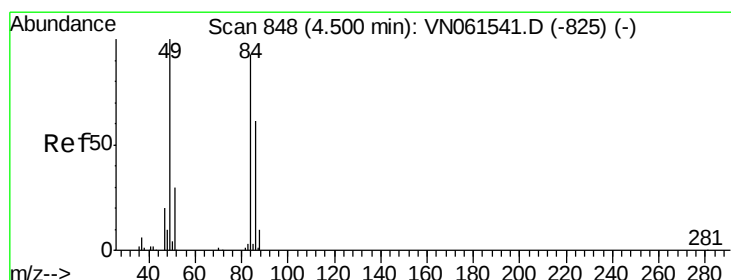
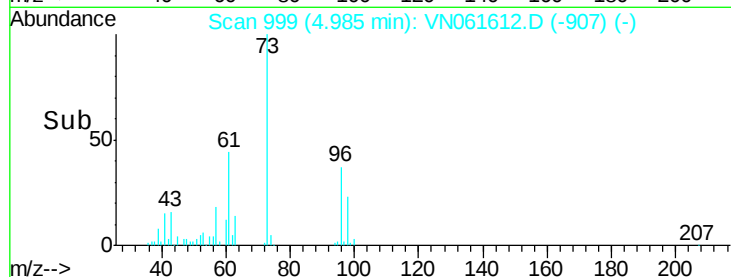
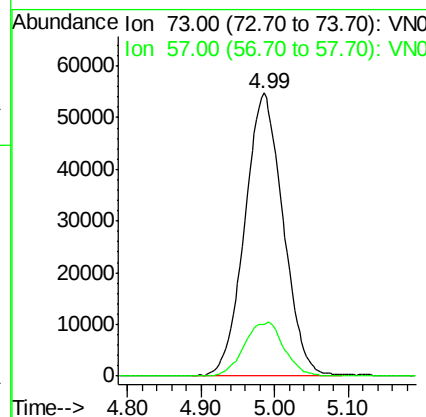
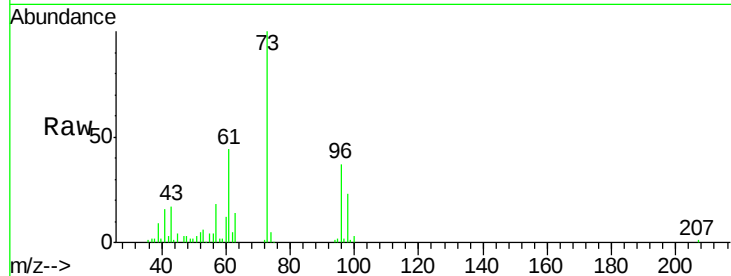
#19
Methvl tert-butvl Ether
Concen: 18.214 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion: 73 Resp: 198360
Ion Ratio Lower Upper
73 100
57 18.4 16.4 24.6

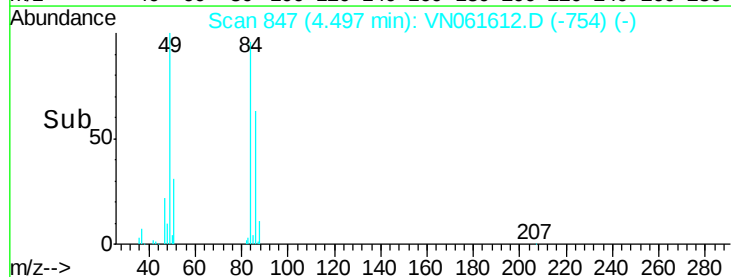
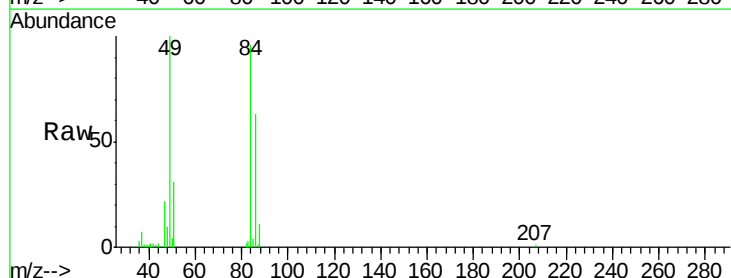
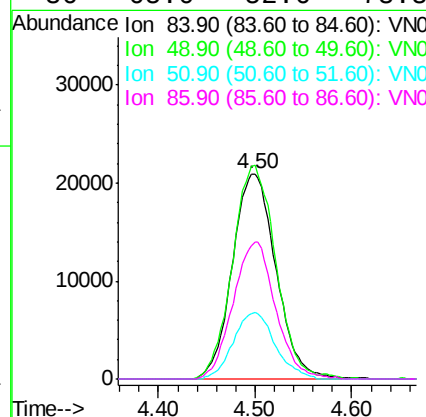
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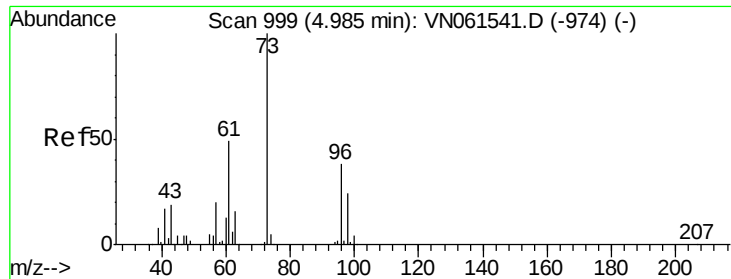
MMDadoda
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#20
Methylene Chloride
Concen: 18.227 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion: 84 Resp: 65468
Ion Ratio Lower Upper
84 100
49 103.9 85.8 128.8
51 31.8 26.2 39.2
86 65.0 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 18.190 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

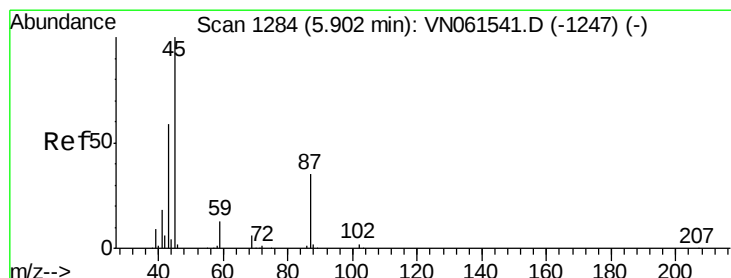
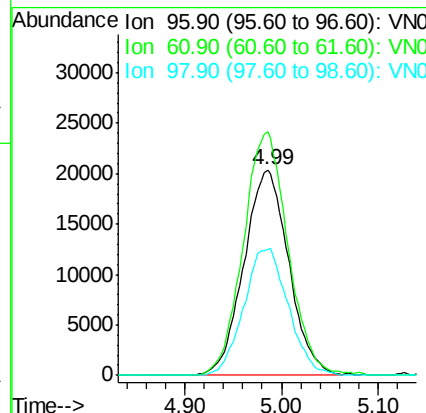
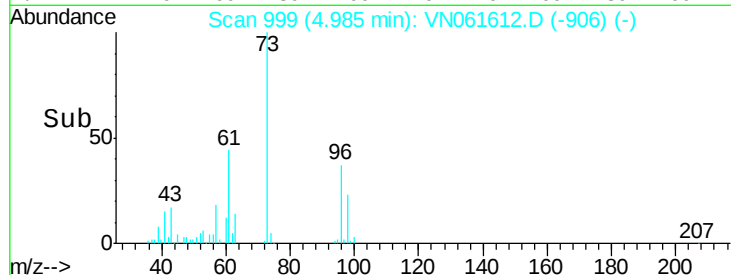
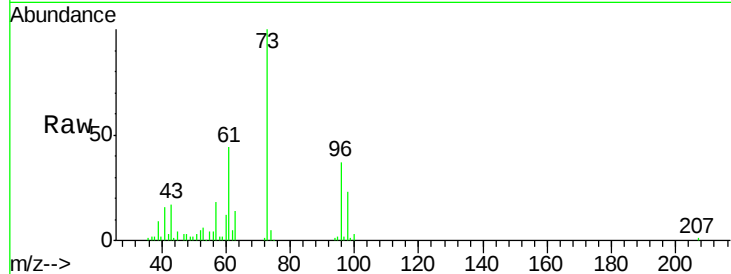
ClientSampleId :

VN0602MBS01

Tot Ion:	96	Resp:	65549
Ion	Ratio	Lower	Upper
96	100		
61	118.4	101.4	152.0
98	61.5	50.6	76.0

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#22

Diisopropyl ether

Concen: 18.380 ug/l

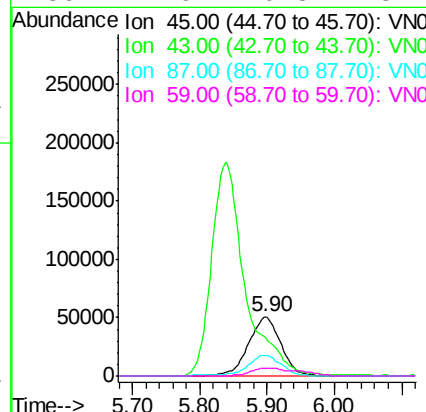
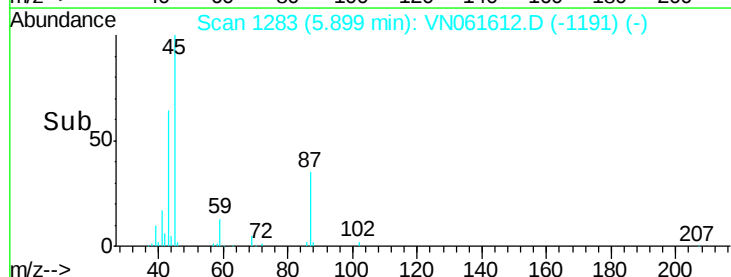
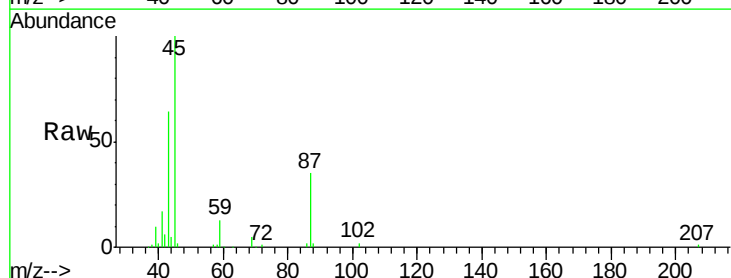
RT: 5.90 min Scan# 1283

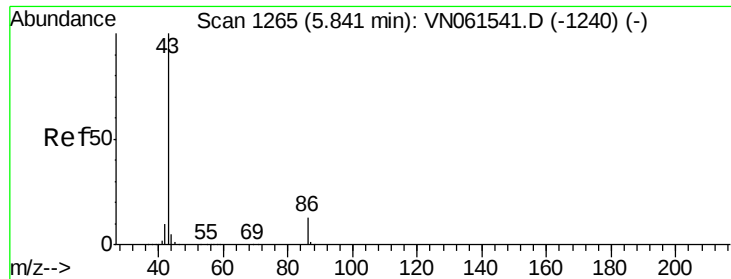
Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	45	Resp:	169228
Ion	Ratio	Lower	Upper
45	100		
43	61.7	47.9	71.9
87	34.5	28.4	42.6
59	12.9	10.5	15.7





#23

Vinyl Acetate

Concen: 86.895 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0602MBS01

Tot Ion: 43 Resp: 637681

Ion Ratio Lower Upper

43 100

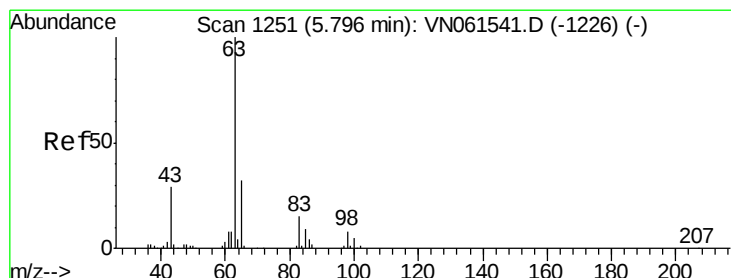
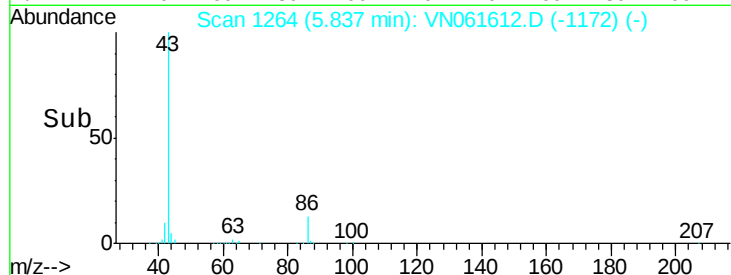
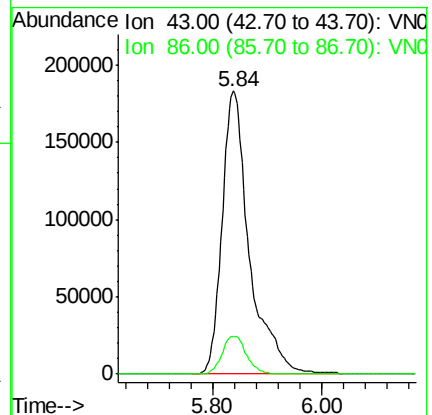
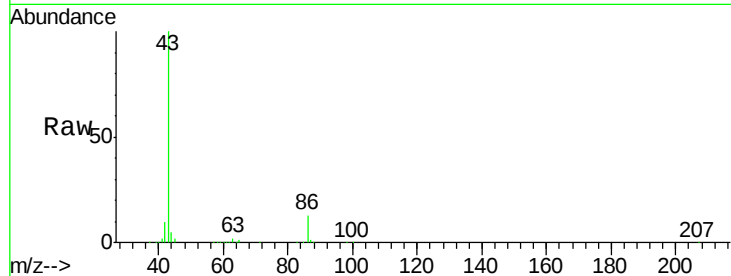
86 13.5 10.6 16.0

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#24

1,1-Dichloroethane

Concen: 18.232 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

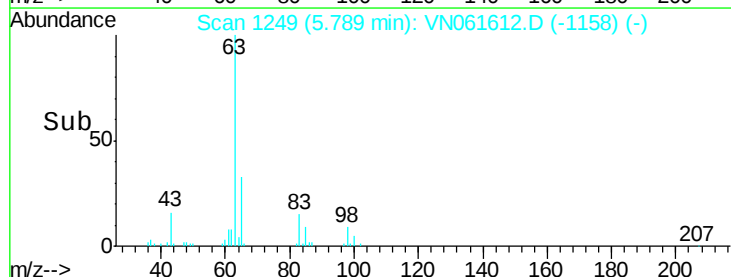
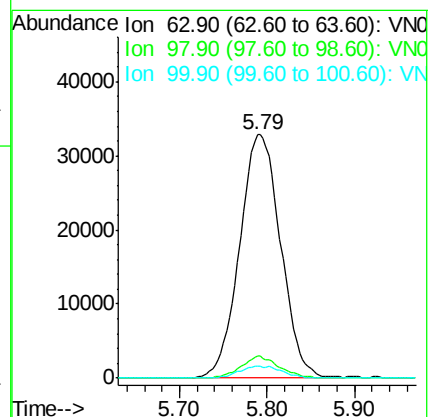
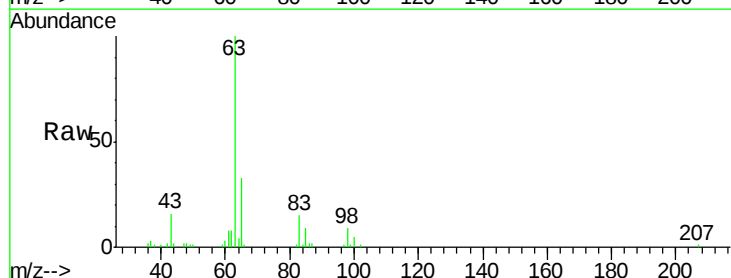
Tgt Ion: 63 Resp: 106449

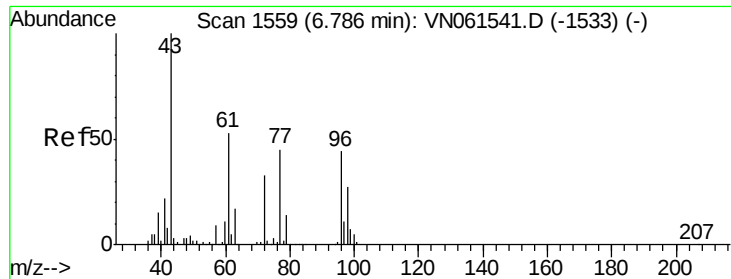
Ion Ratio Lower Upper

63 100

98 9.2 3.8 11.4

100 5.0 2.5 7.6





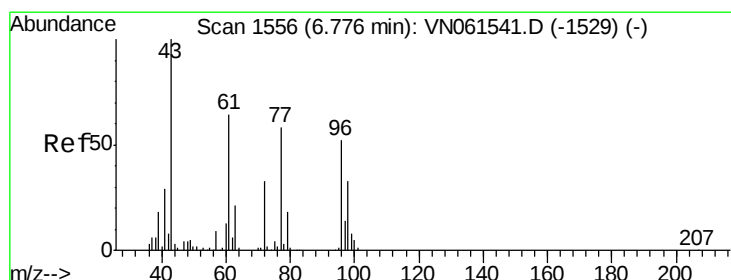
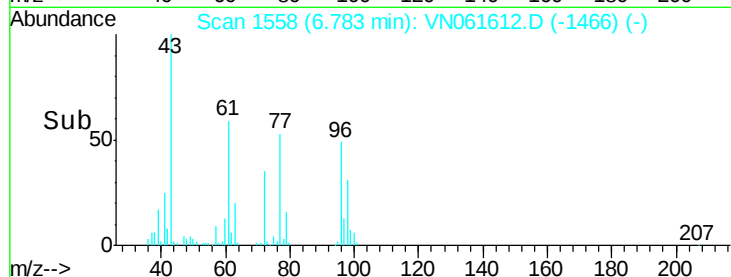
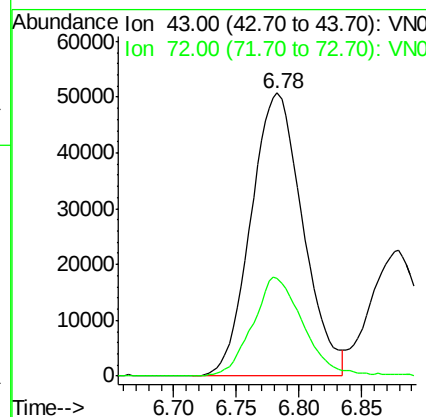
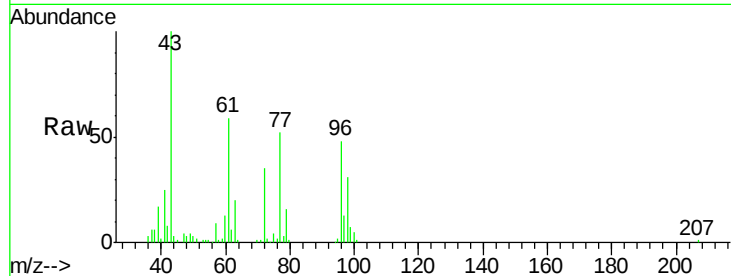
#25
 2-Butanone
 Concen: 82.842 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	34.6	26.0	39.0

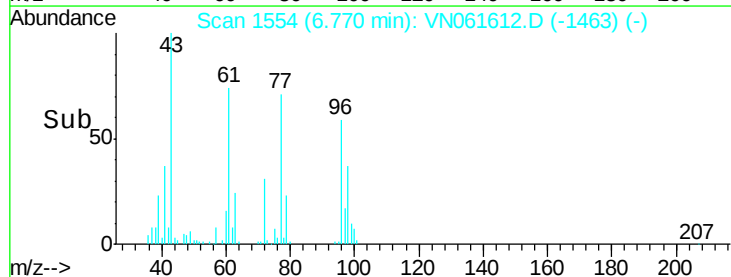
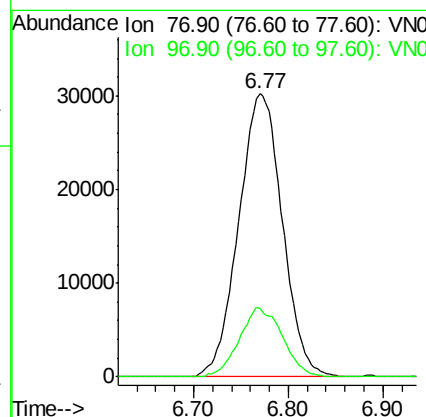
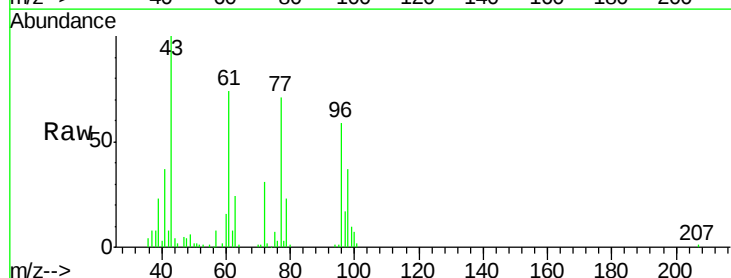
Manual Integrations
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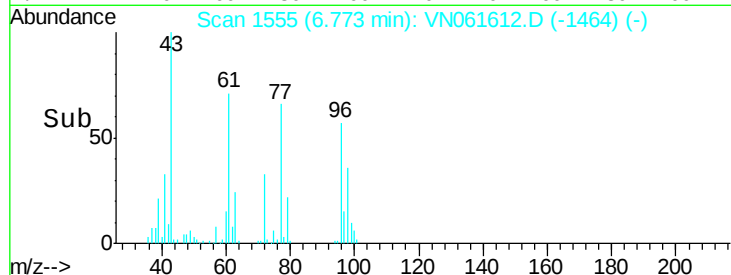
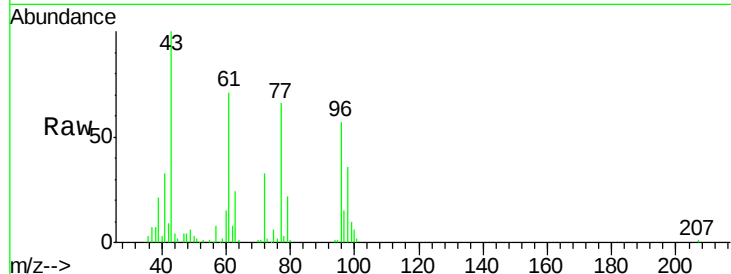
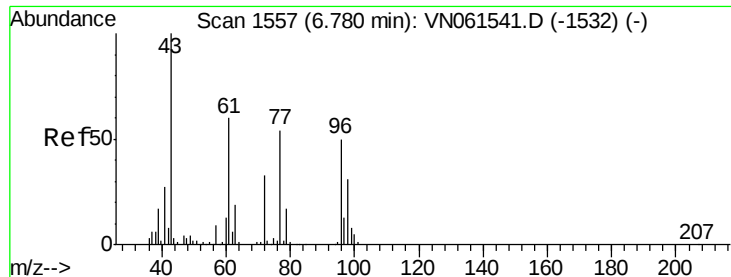
MMDadoda
 6/3/2020 11:32:20 AM



#26
 2,2-Dichloropropane
 Concen: 18.102 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.0	36.0





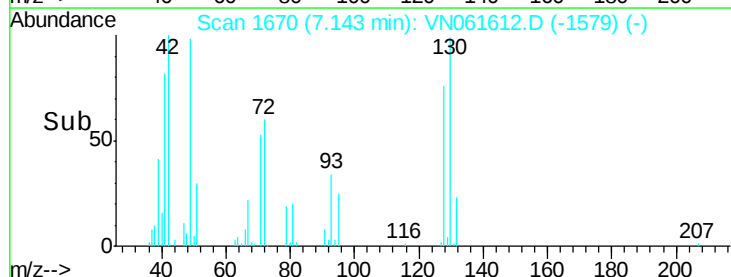
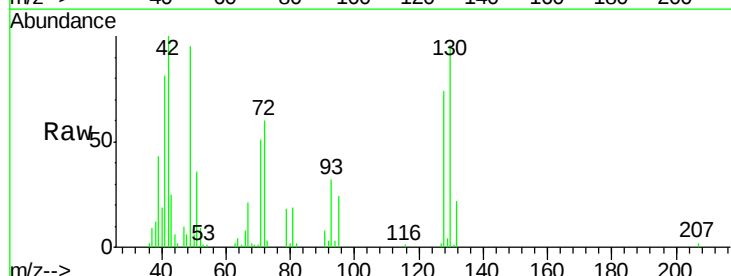
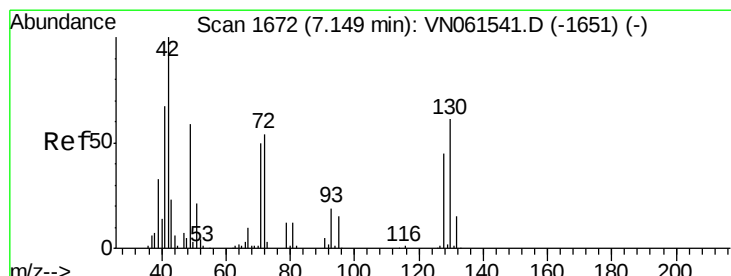
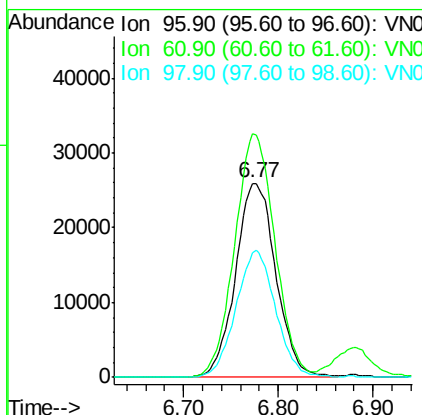
#27
 cis-1,2-Dichloroethene
 Concen: 18.872 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	125.1	0.0	252.2	
98	64.1	0.0	129.2	

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBS01

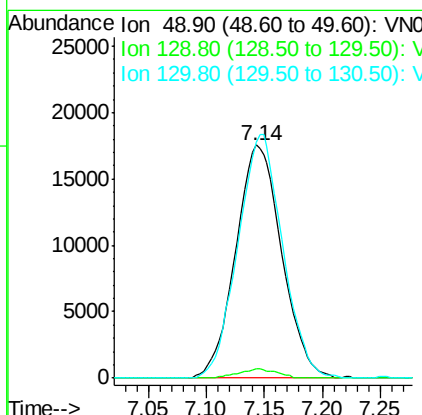
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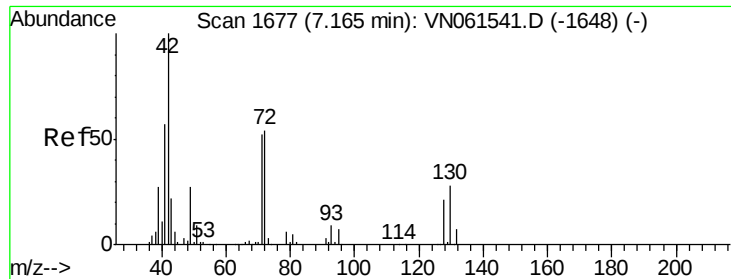
MMDadoda
 6/3/2020 11:32:20 AM



#28
 Bromochloromethane
 Concen: 21.294 ug/l
 RT: 7.14 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.3	0.0	4.8	
130	101.7	78.8	118.2	





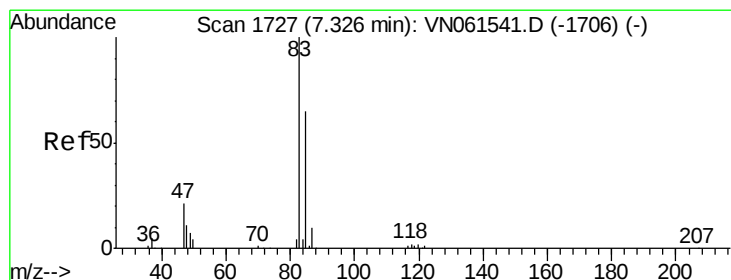
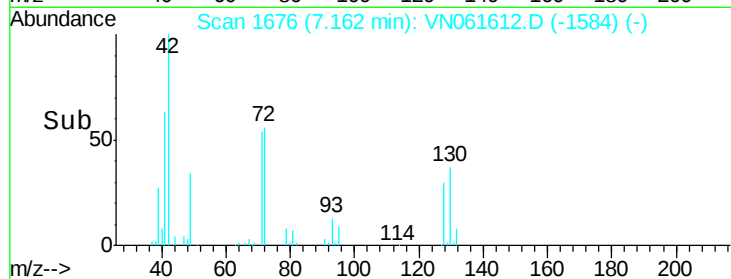
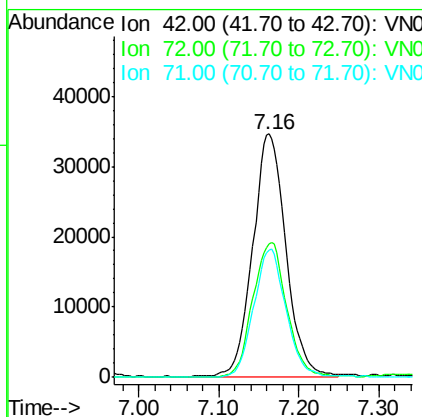
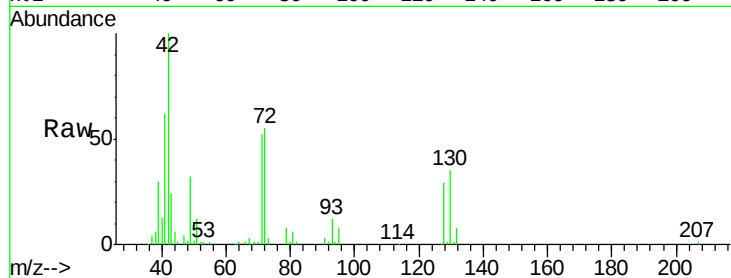
#29
Tetrahydrofuran
Concen: 85.050 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.1	43.6	65.4
71	50.8	41.2	61.8

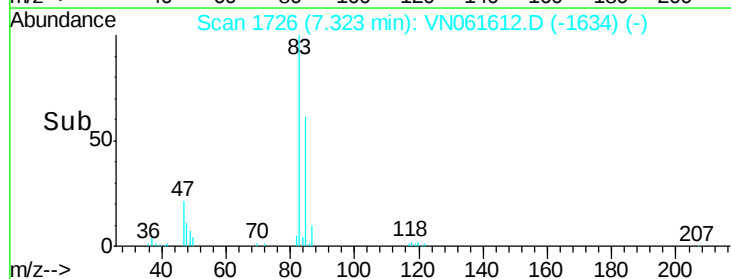
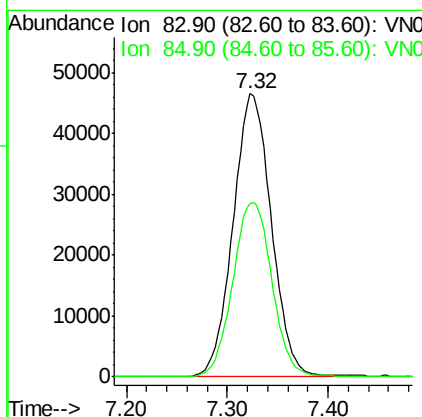
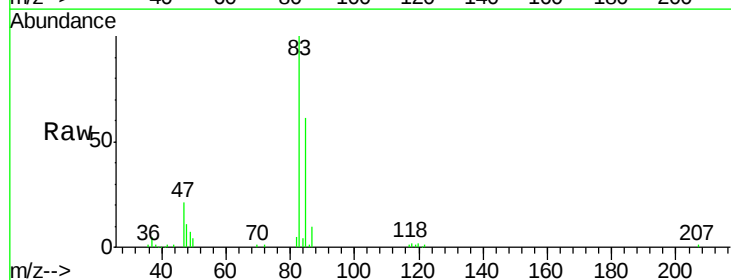
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6/3/2020 11:32:20 AM



#30
Chloroform
Concen: 18.969 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.7	77.5





#31

Cyclohexane

Concen: 17.696 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

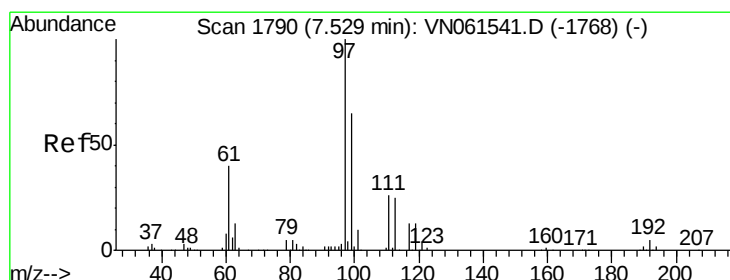
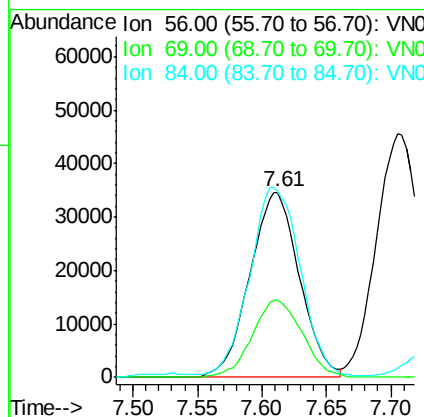
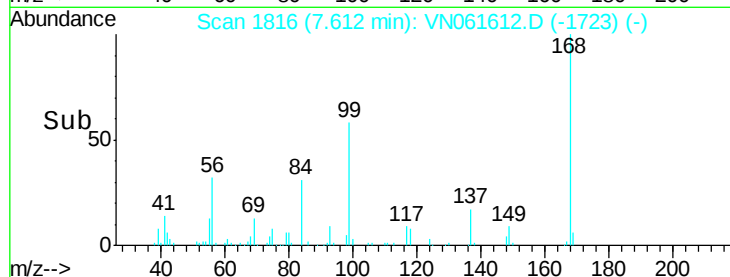
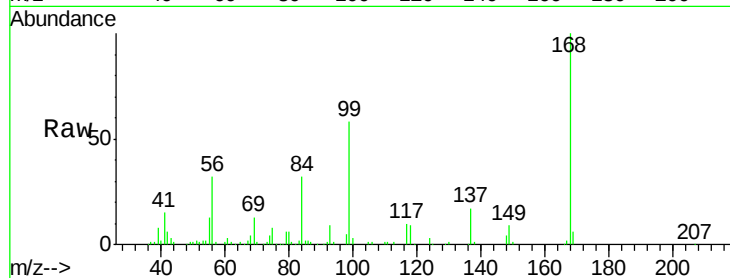
ClientSampled :

VN0602MBS01

Tot Ion:	56	Resp:	92920
Ion	Ratio	Lower	Upper
56	100		
69	41.6	27.8	41.8
84	99.0	79.9	119.9

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#32

1,1,1-Trichloroethane

Concen: 18.125 ug/l

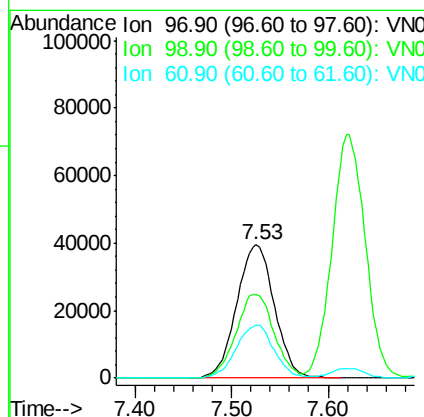
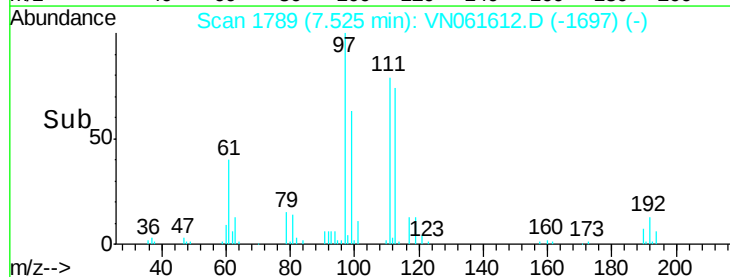
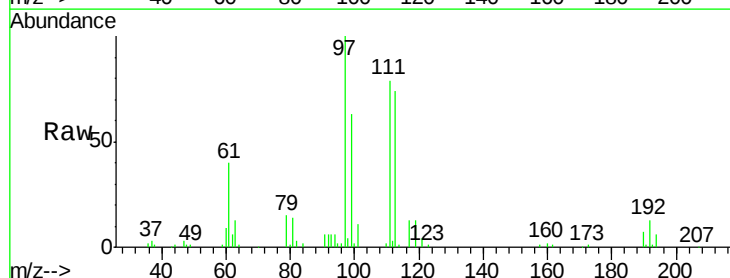
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	97	Resp:	106679
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	39.9	31.4	47.0





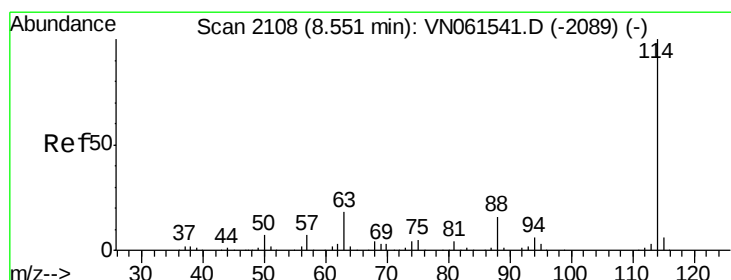
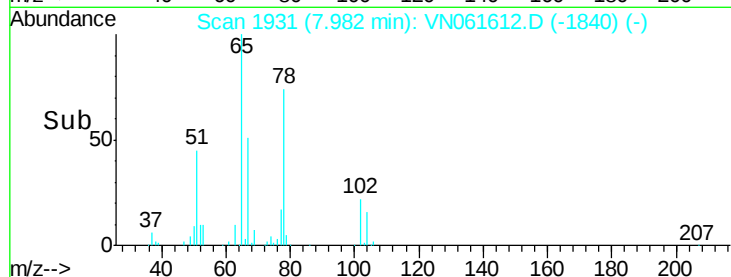
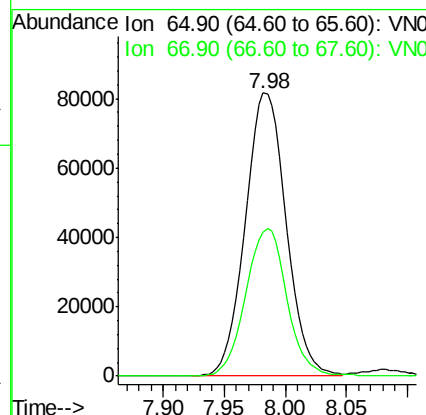
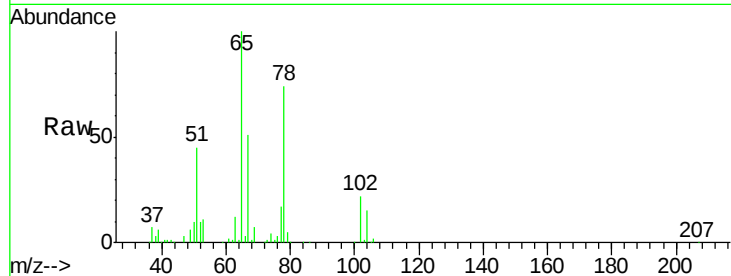
#33
 1,2-Dichloroethane-d4
 Concen: 50.813 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189320		
67	52.6	0.0	104.8	

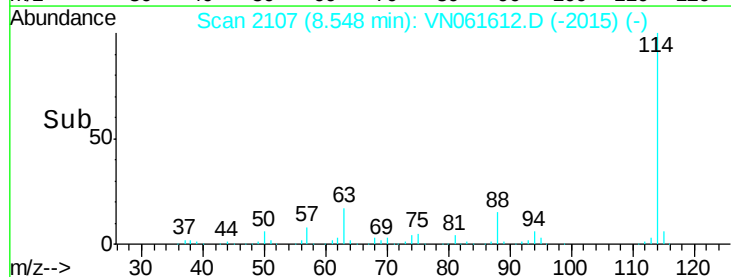
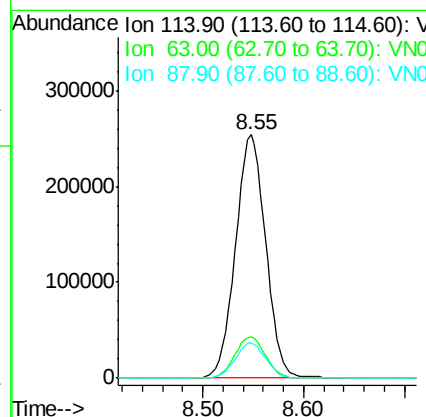
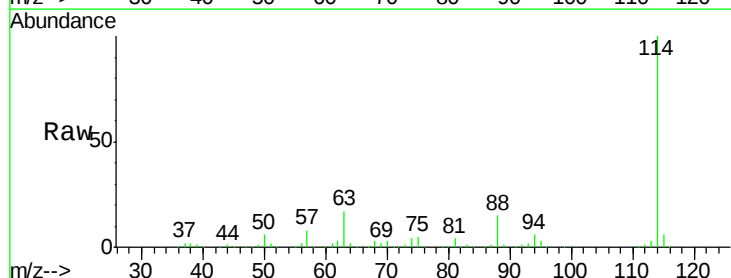
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528102		
63	17.0	0.0	35.8	
88	14.6	0.0	31.0	





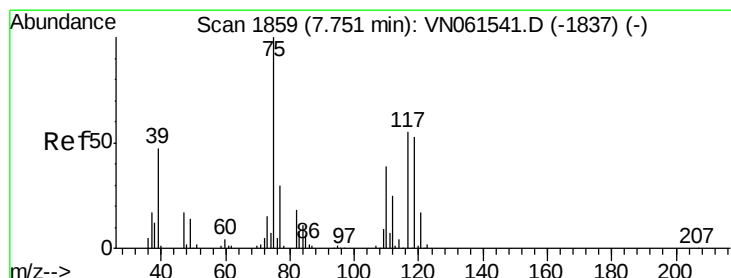
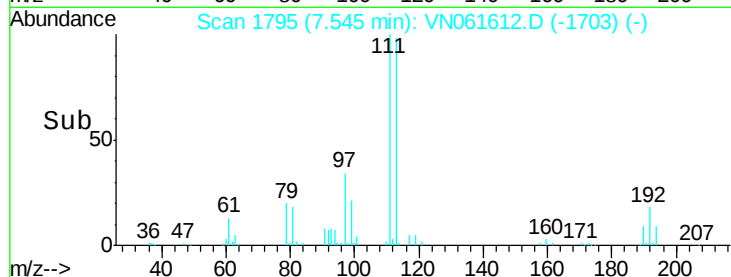
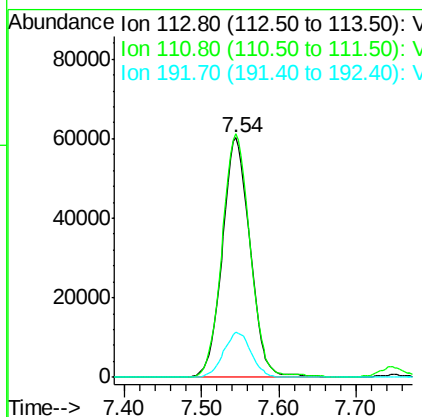
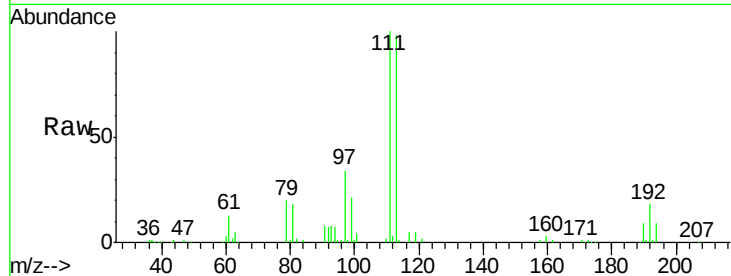
#35
Dibromofluoromethane
Concen: 55.960 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149916		
111	102.0	83.4	125.0	
192	18.7	15.4	23.2	

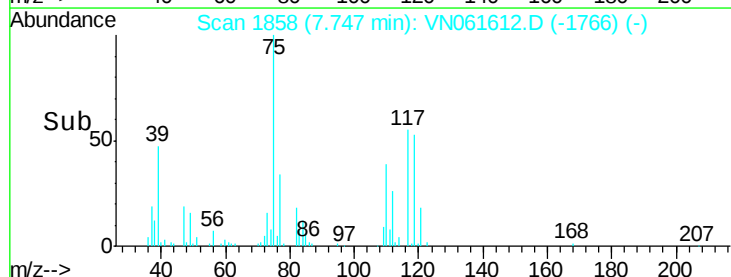
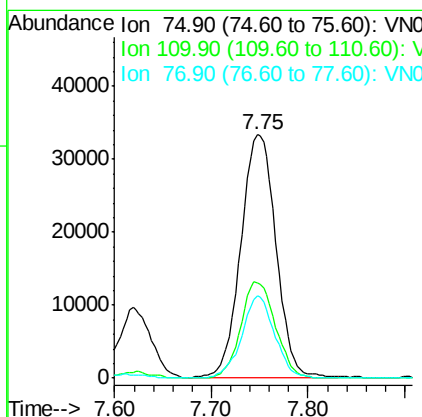
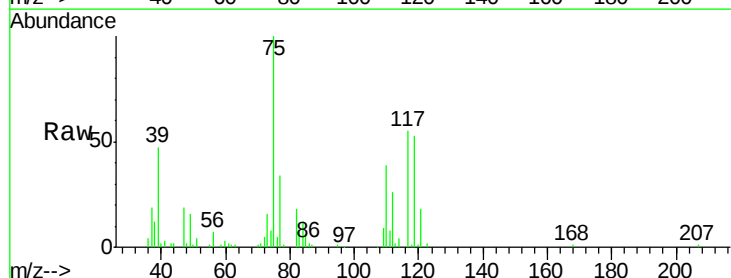
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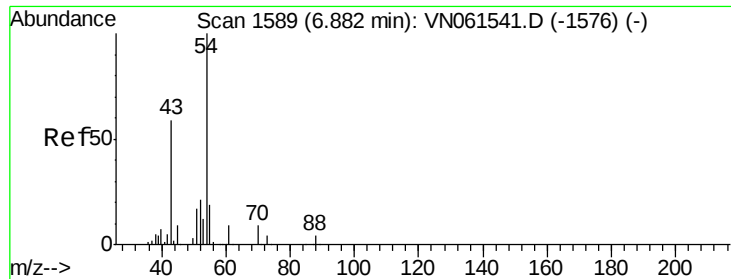
MMDadoda
6/3/2020 11:32:20 AM



#36
1,1-Dichloropropene
Concen: 18.107 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84652		
110	38.7	19.5	58.5	
77	31.3	24.7	37.1	





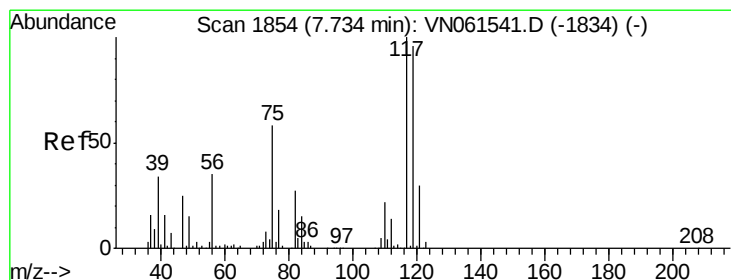
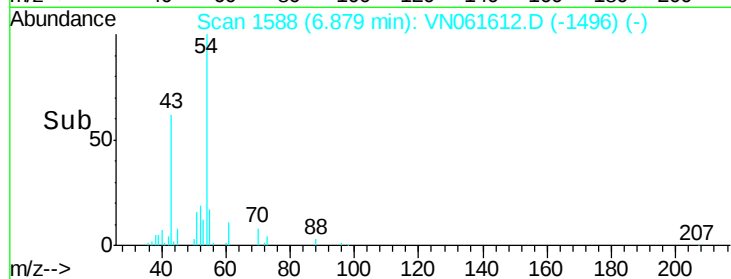
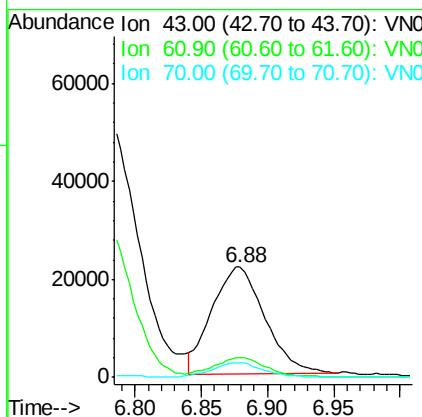
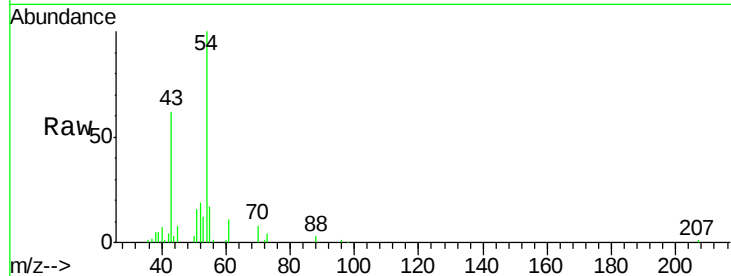
#37
Ethyl Acetate
Concen: 16.153 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	12.2	18.4#
70	12.8	9.4	14.2

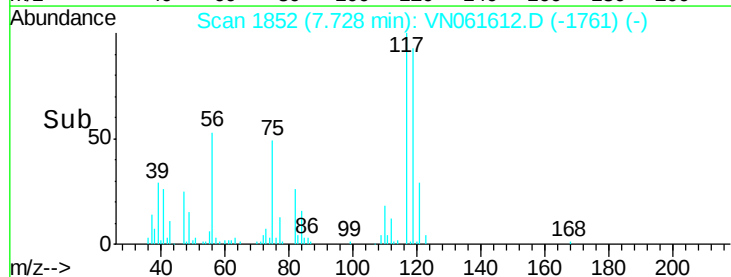
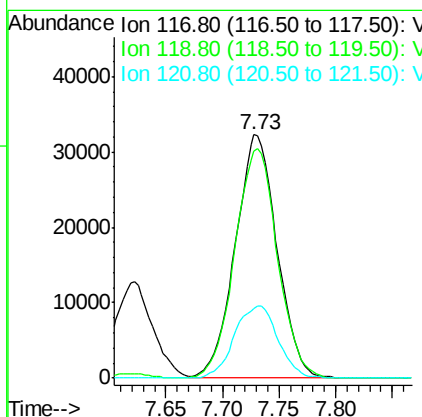
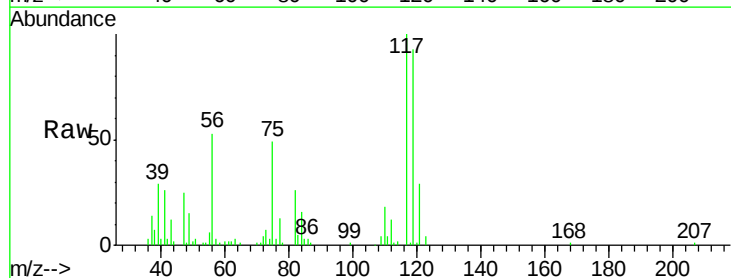
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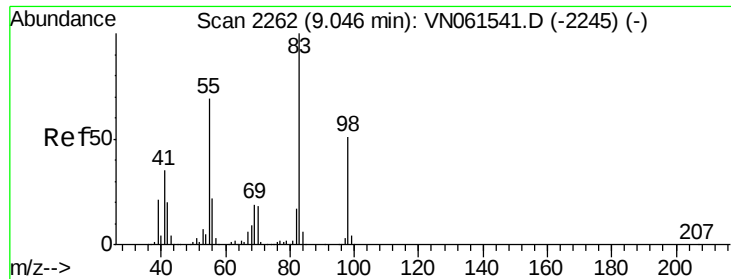
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#38
Carbon Tetrachloride
Concen: 18.380 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.5	114.7
121	28.6	24.1	36.1





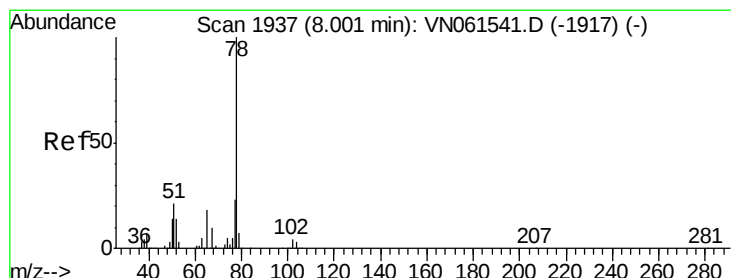
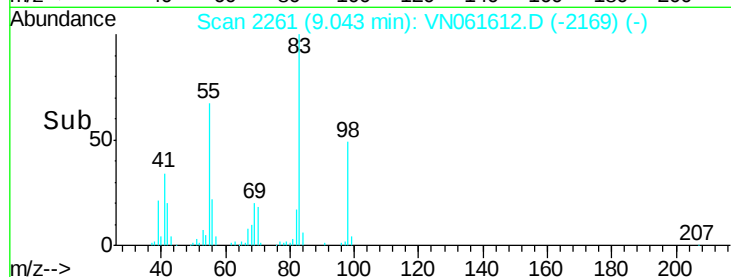
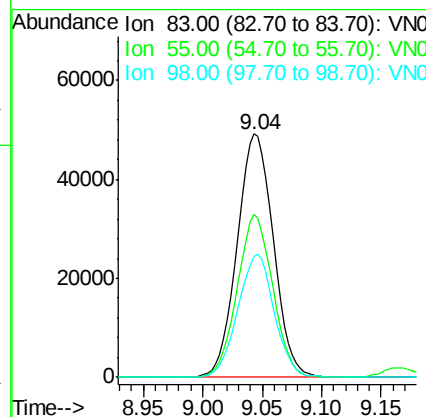
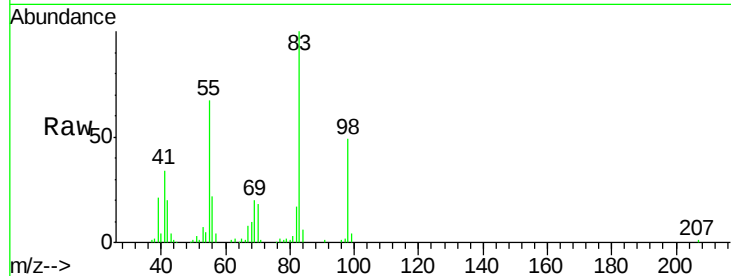
#39
Methvlcvclohexane
Concen: 18.057 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	54.9	82.3
98	49.4	41.0	61.4

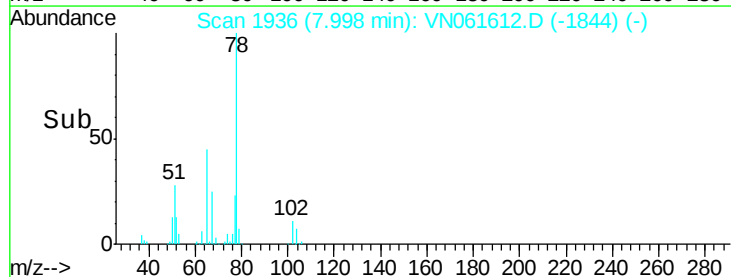
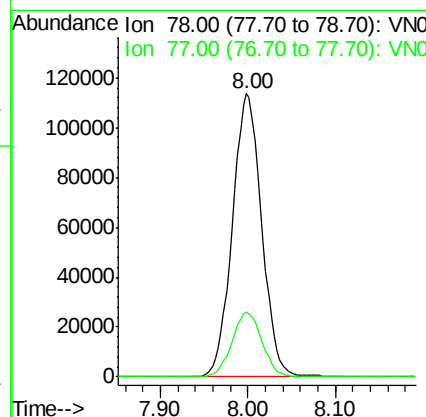
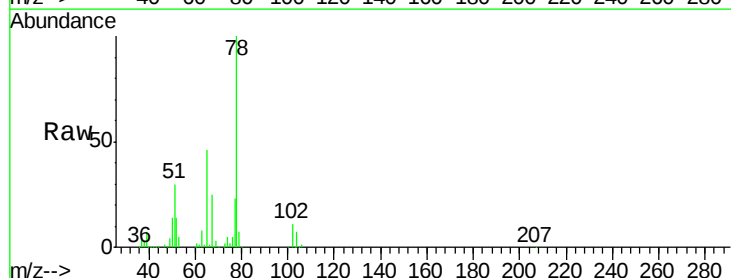
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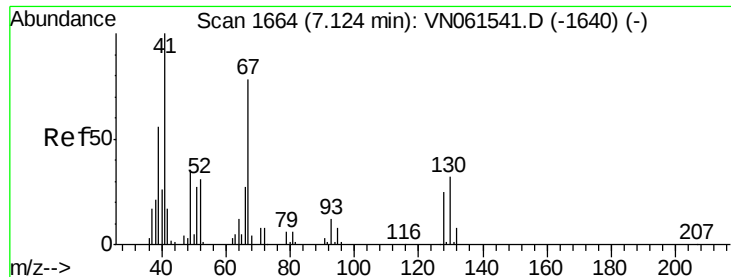
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6/3/2020 11:32:20 AM



#40
Benzene
Concen: 18.322 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.6	28.0





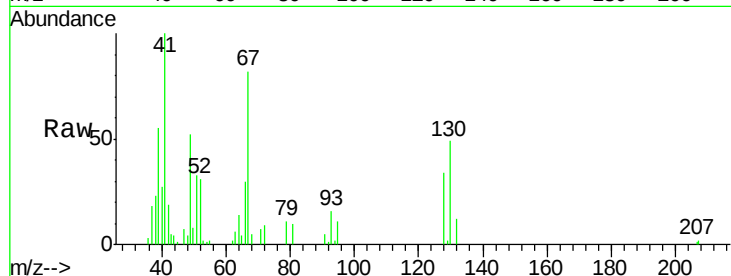
#41
Methacrylonitrile
Concen: 14.565 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	41	Resp	25128
Ion Ratio	Lower	Upper	
41	100		
39	68.9	53.8	80.6
67	117.7	91.1	136.7
52	45.8	36.0	54.0

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MMDadoda
6/3/2020 11:32:20 AM

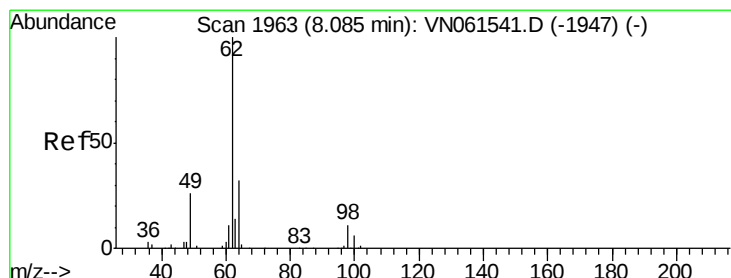
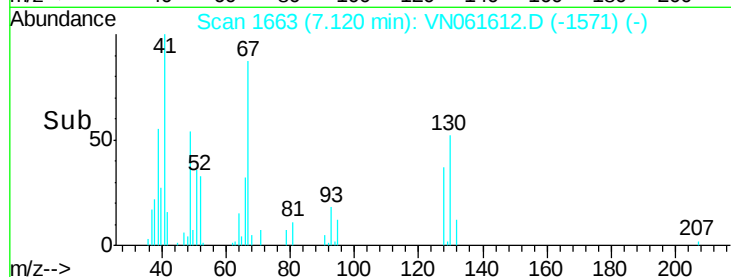
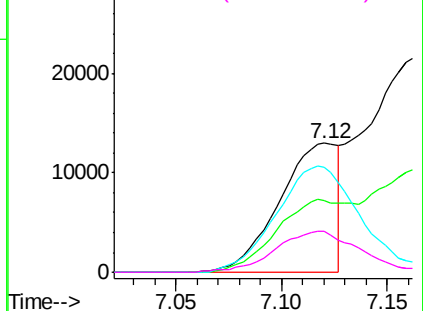


Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-1640) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-1640) (-)

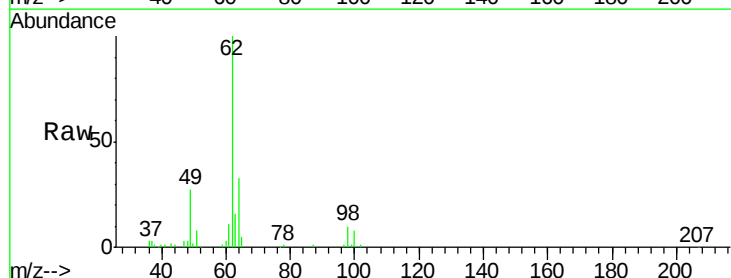
Ion 67.00 (66.70 to 67.70): VN061541.D (-1640) (-)

Ion 52.00 (51.70 to 52.70): VN061541.D (-1640) (-)



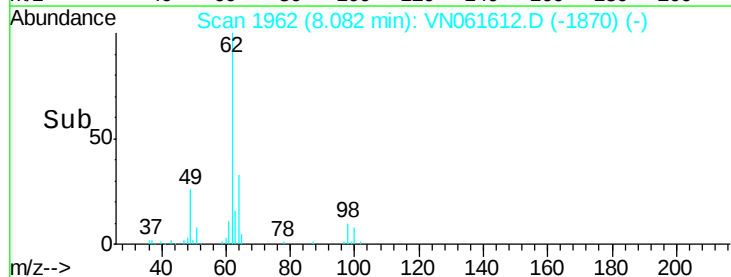
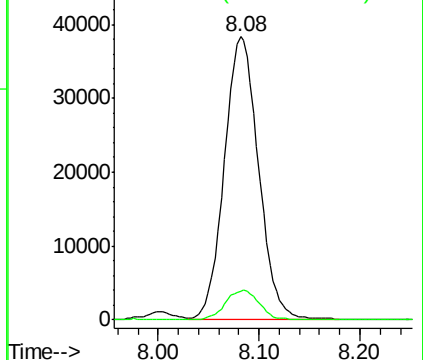
#42
1,2-Dichloroethane
Concen: 18.782 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

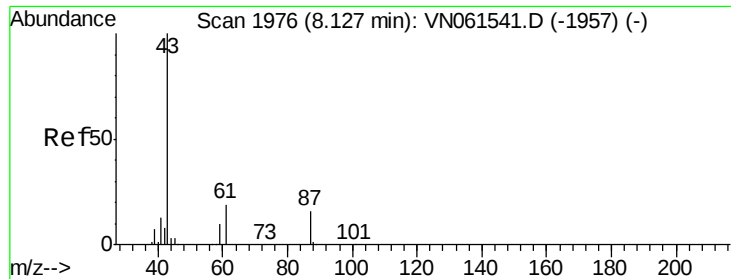
Tgt Ion	62	Resp	90702
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VN061541.D (-1947) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1947) (-)





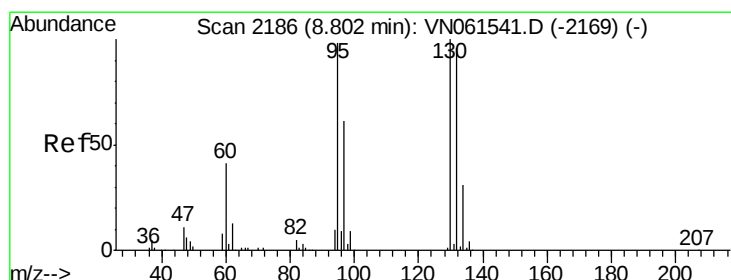
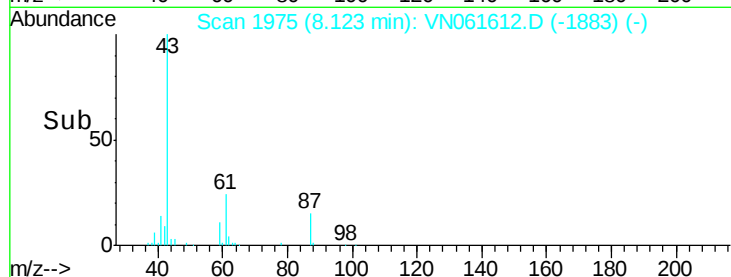
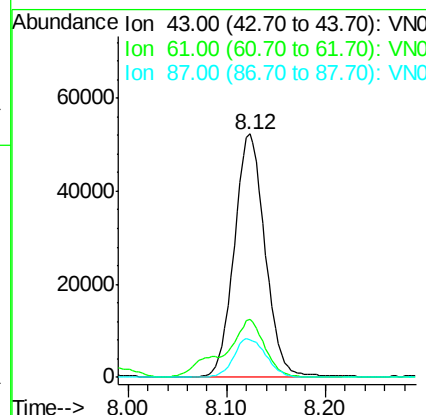
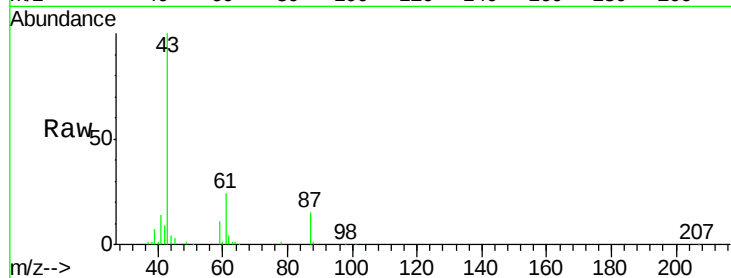
#43
Isopropyl Acetate
Concen: 16.851 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	23.6	35.4
87	16.7	13.0	19.6

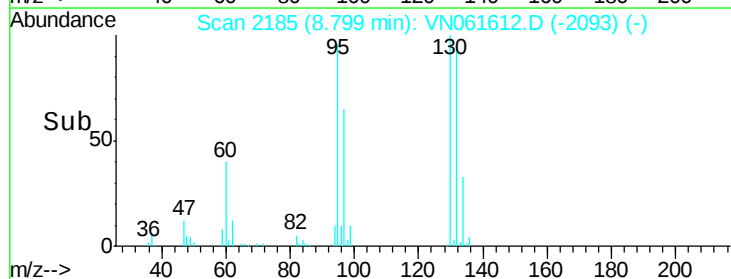
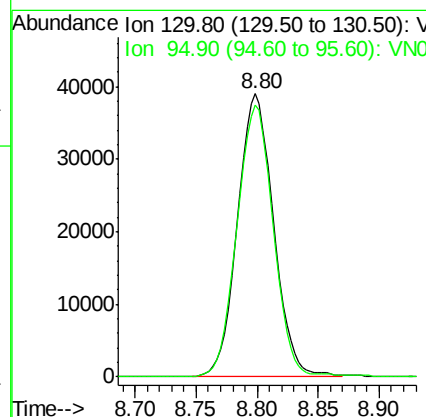
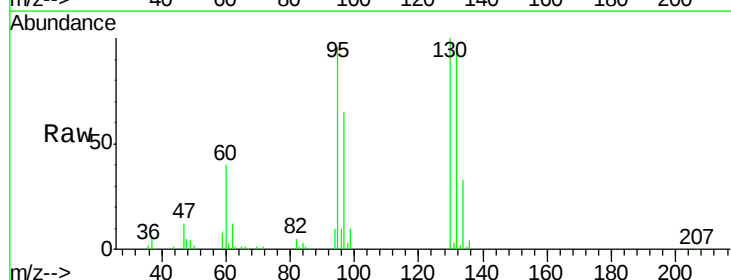
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#44
Trichloroethene
Concen: 18.046 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	196.6





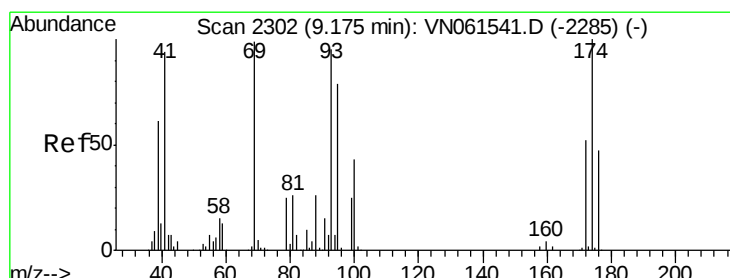
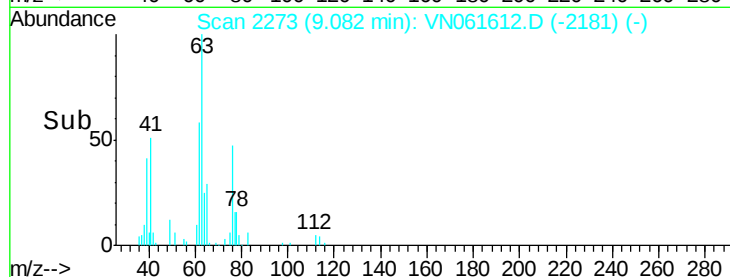
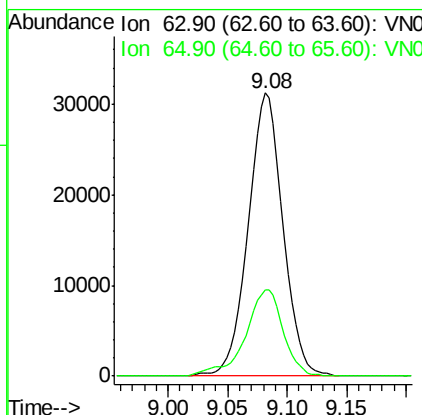
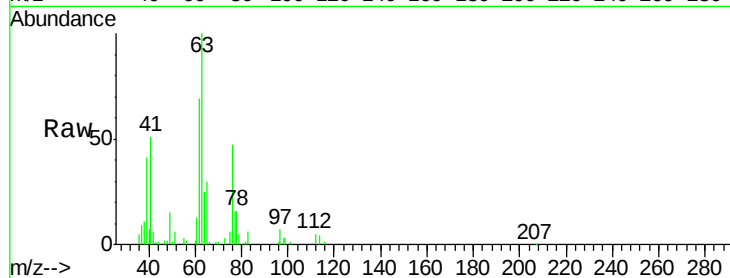
#45
 1,2-Dichloropropane
 Concen: 18.409 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1

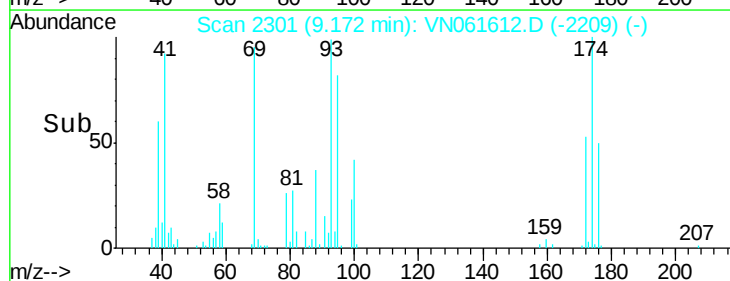
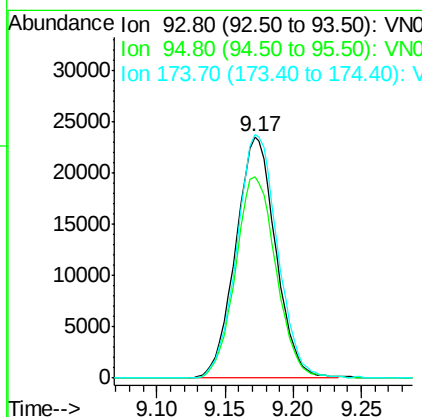
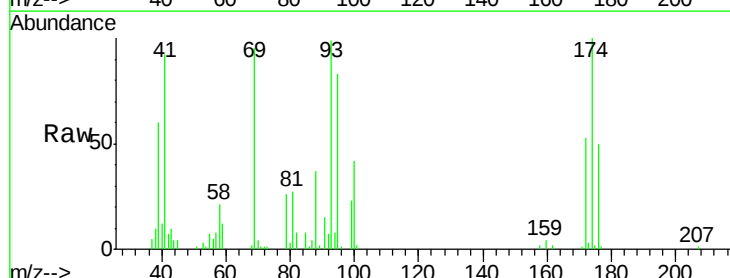
Manual Integrations
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 6/3/2020 11:32:20 AM



#46
 Dibromomethane
 Concen: 18.226 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.0	99.0
174	102.5	82.5	123.7





#47

Bromodichloromethane

Concen: 18.323 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

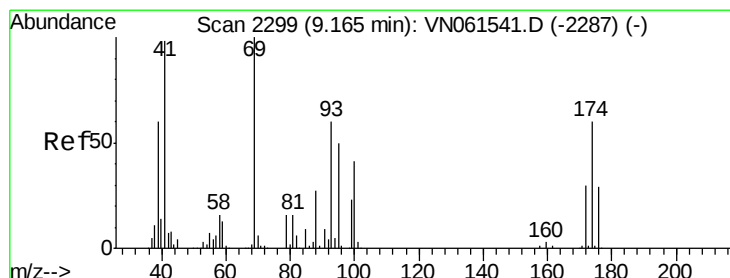
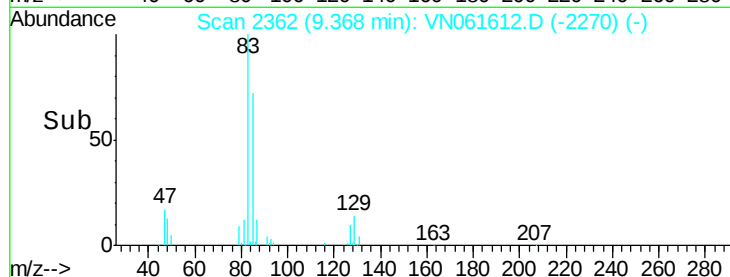
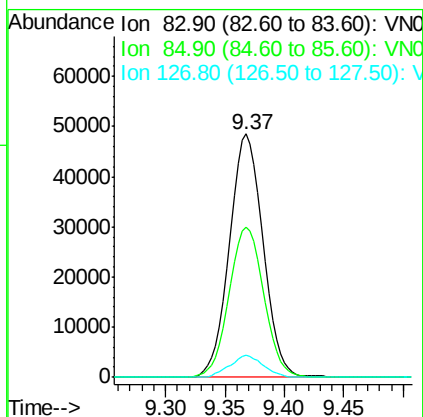
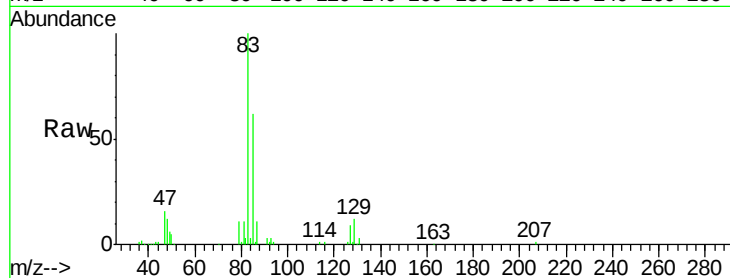
ClientSampleId :

VN0602MBS01

Tot Ion:	83	Resp:	95364
Ion Ratio	Lower	Upper	
83	100		
85	61.9	51.1	76.7
127	9.0	7.2	10.8

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#48

Methyl methacrylate

Concen: 15.869 ug/l

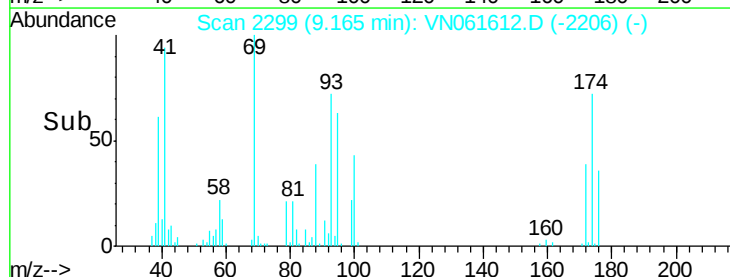
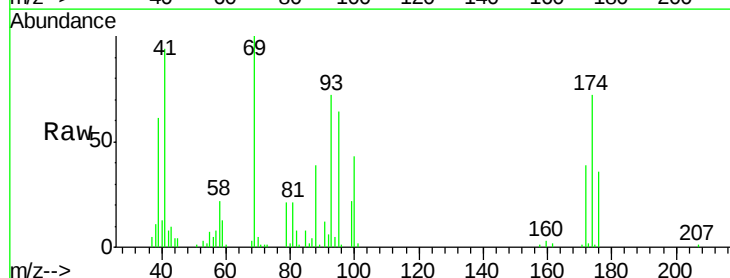
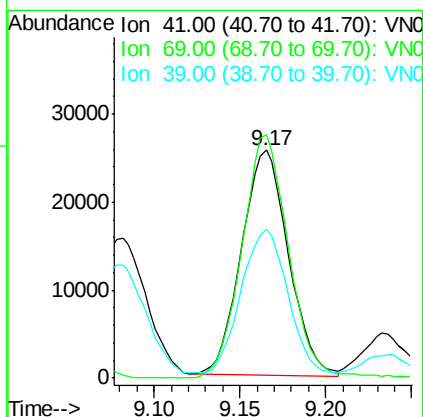
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	41	Resp:	48368
Ion Ratio	Lower	Upper	
41	100		
69	108.0	83.9	125.9
39	68.0	52.1	78.1





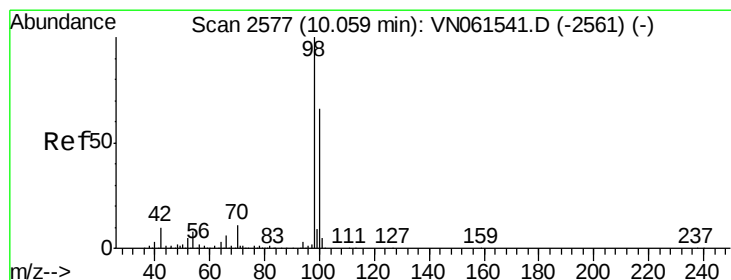
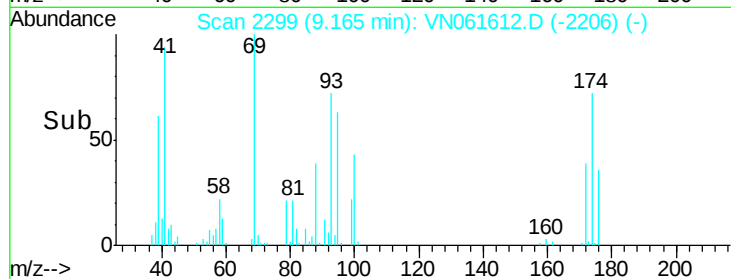
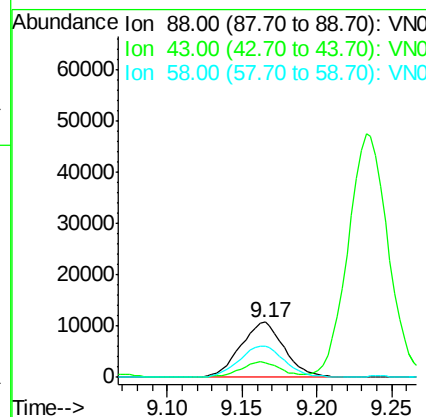
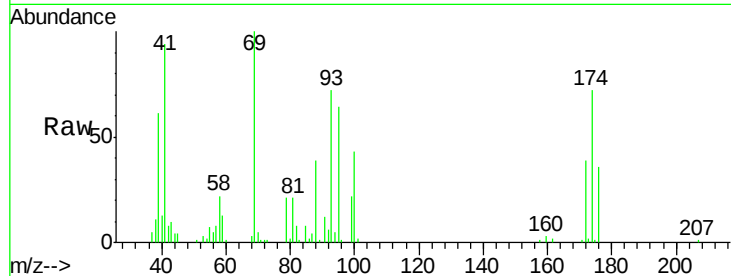
#49
1,4-Dioxane
Concen: 464.315 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.8	23.1	34.7
58	59.0	48.3	72.5

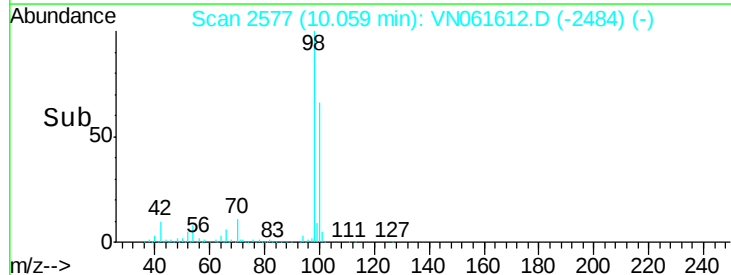
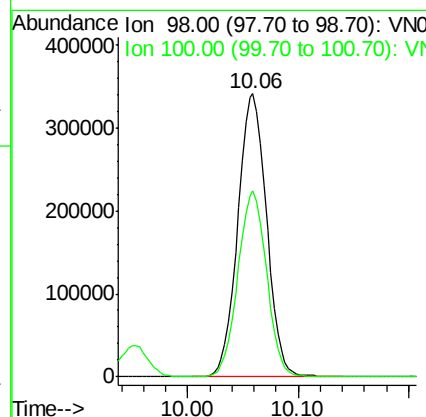
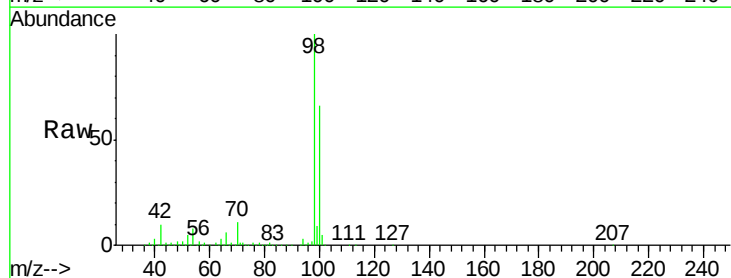
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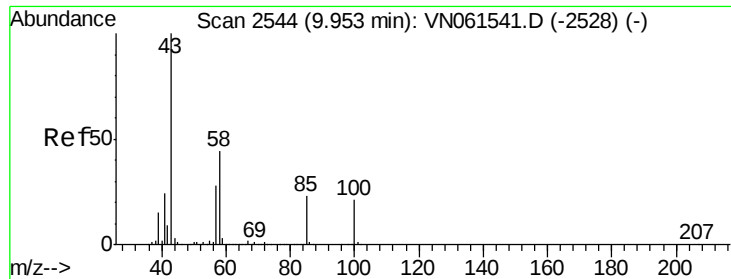
MMDadoda
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#50
Toluene-d8
Concen: 49.694 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 83.038 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBS01

Tot Ion: 43 Resp: 317007

Ion Ratio Lower Upper

43 100

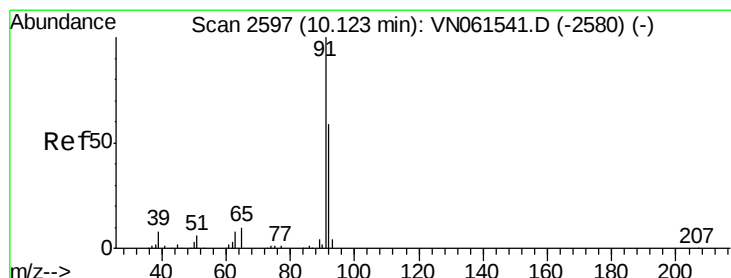
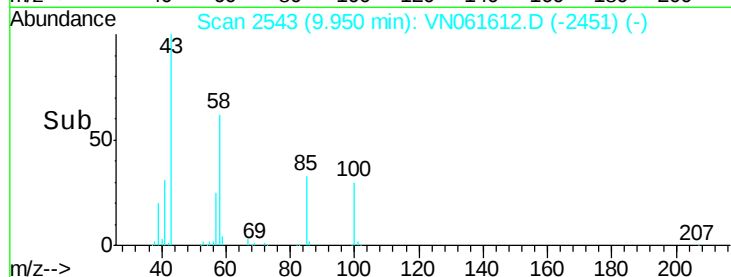
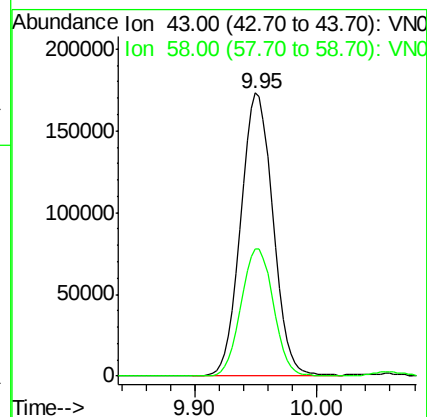
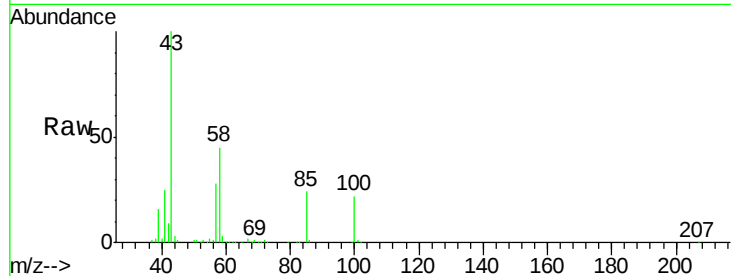
58 45.3 35.0 52.6

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#52

Toluene

Concen: 18.447 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061612.D

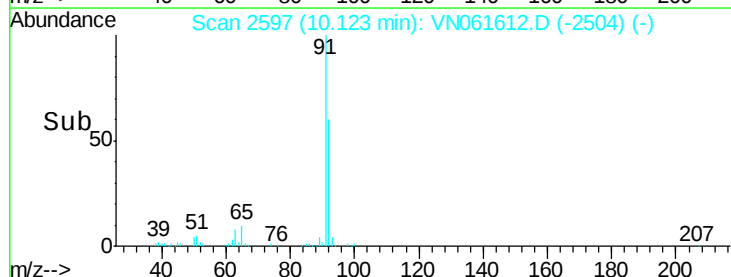
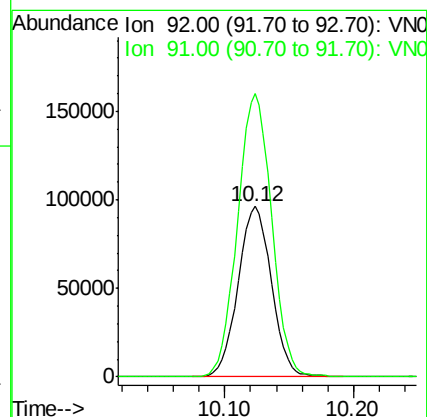
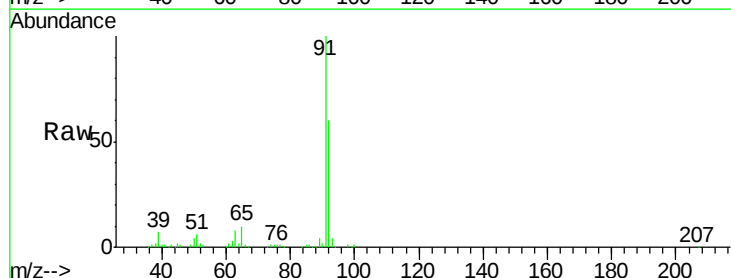
Acq: 2 Jun 2020 11:51

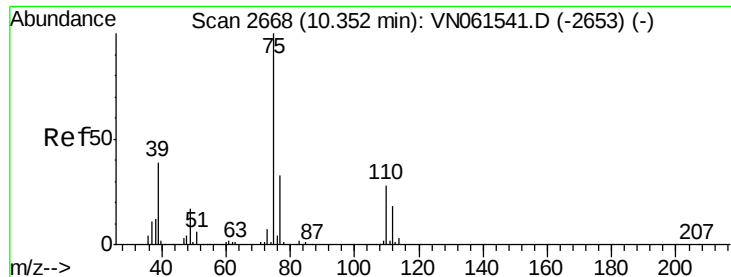
Tgt Ion: 92 Resp: 173679

Ion Ratio Lower Upper

92 100

91 169.8 136.4 204.6





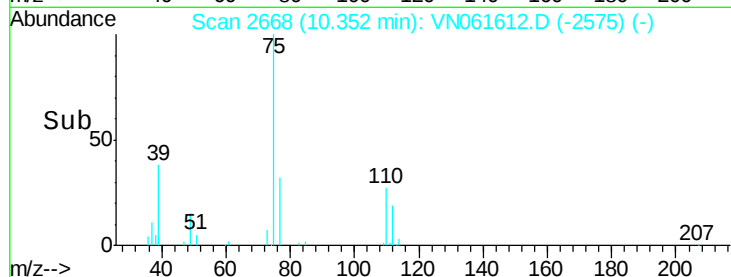
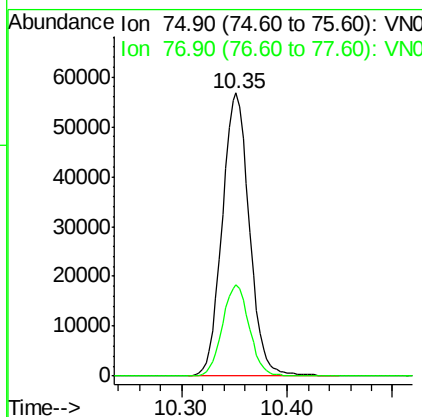
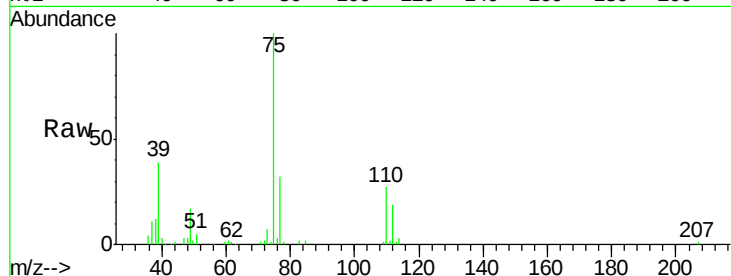
#53
t-1,3-Dichloropropene
Concen: 18.086 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion: 75 Resp: 101401
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4

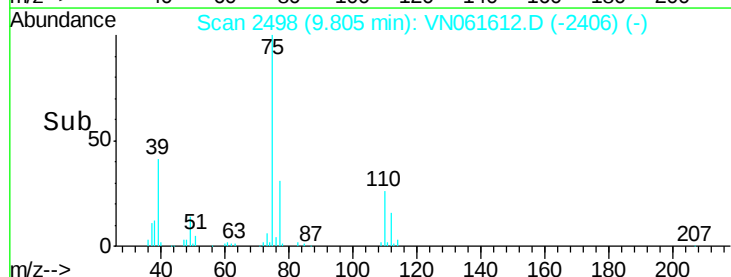
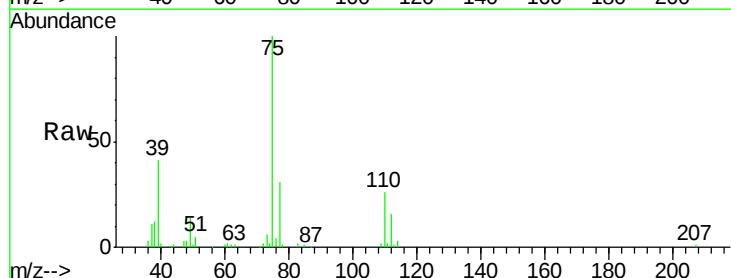
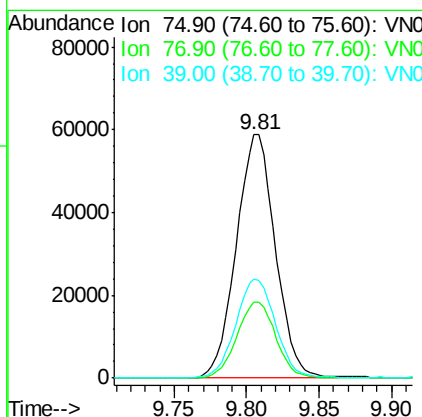
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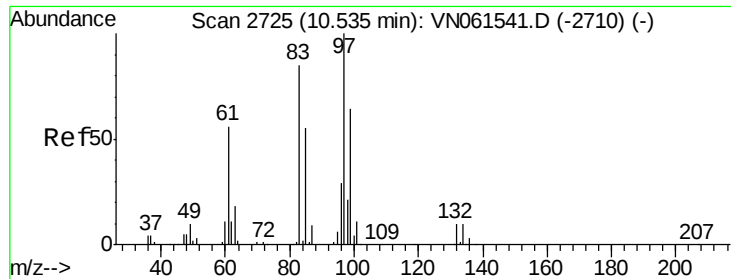
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#54
cis-1,3-Dichloropropene
Concen: 18.271 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion: 75 Resp: 110147
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 40.7 33.8 50.6





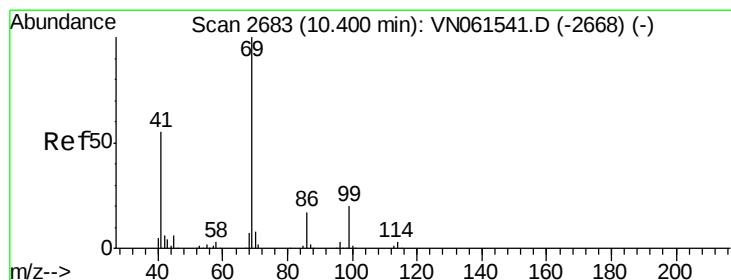
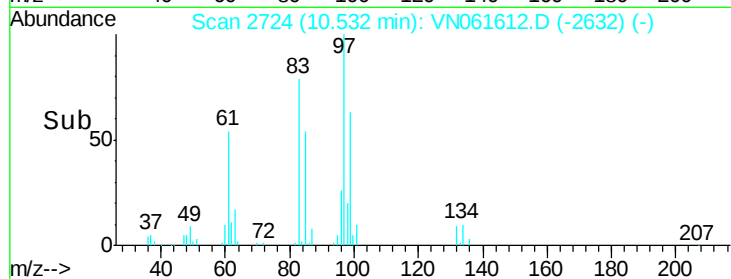
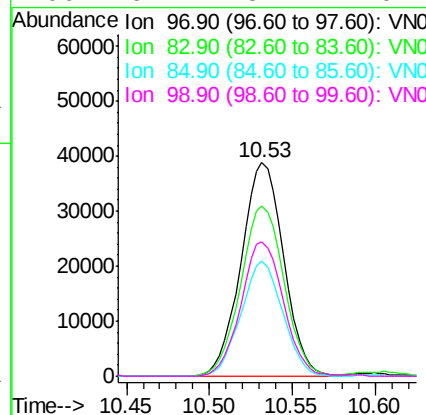
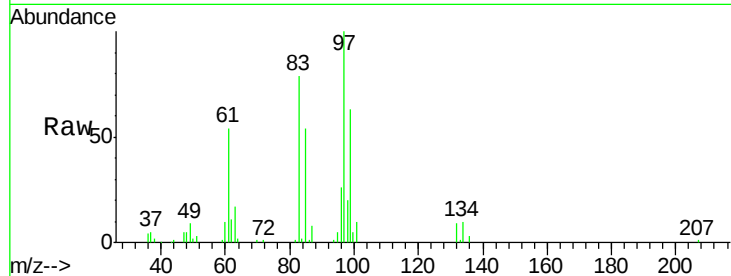
#55
 1,1,2-Trichloroethane
 Concen: 18.493 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.5	68.1	102.1
85	53.8	44.1	66.1
99	62.7	51.1	76.7

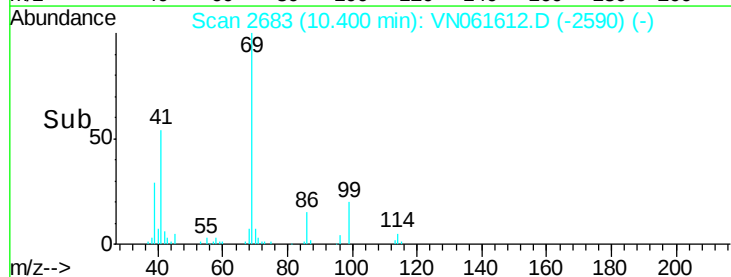
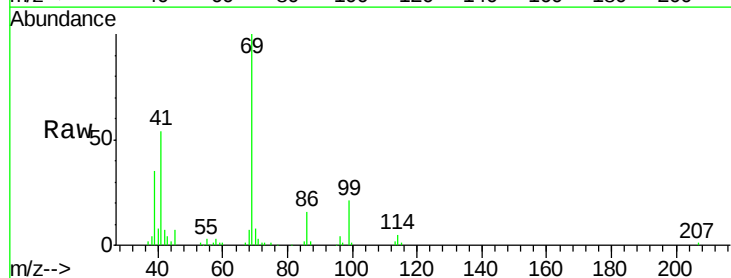
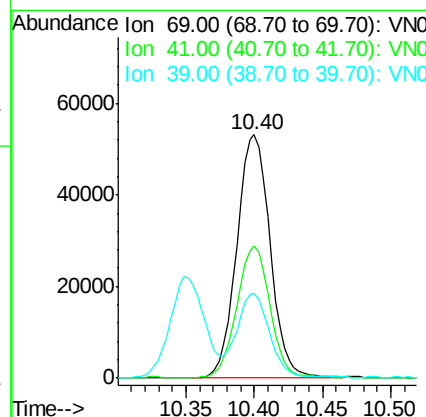
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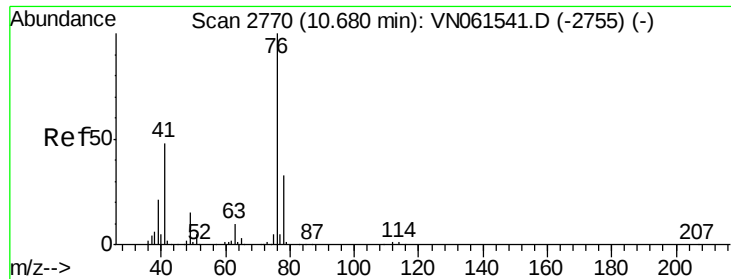
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#56
 Ethyl methacrylate
 Concen: 17.224 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	54.6	43.5	65.3
39	34.0	27.0	40.6





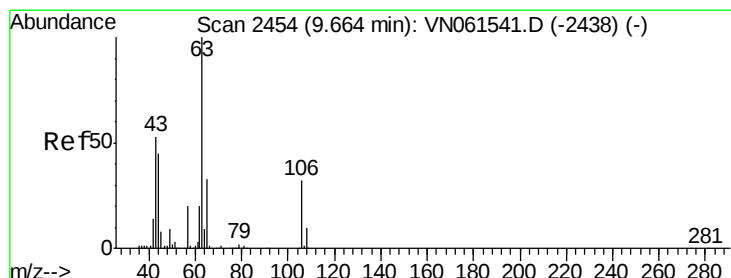
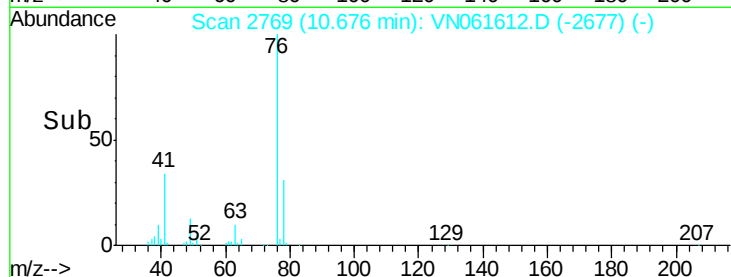
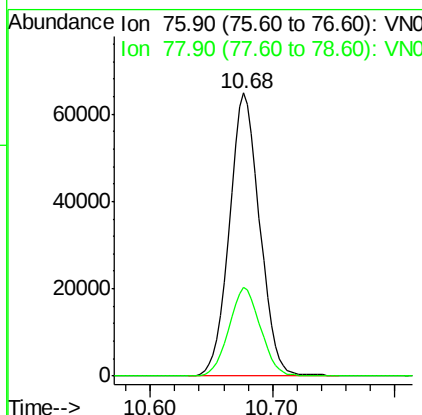
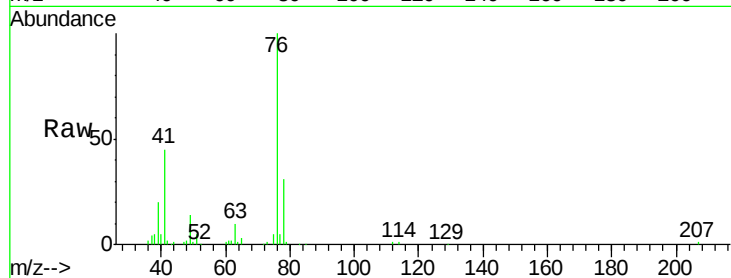
#57
 1,3-Dichloropropane
 Concen: 18.720 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

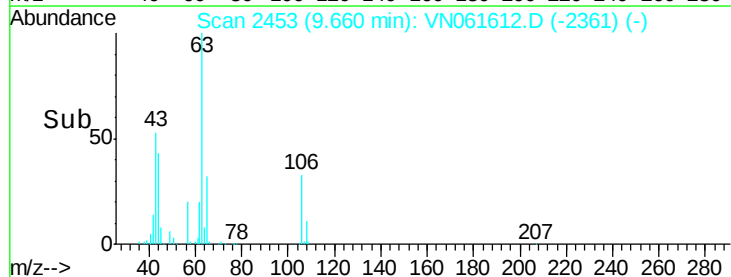
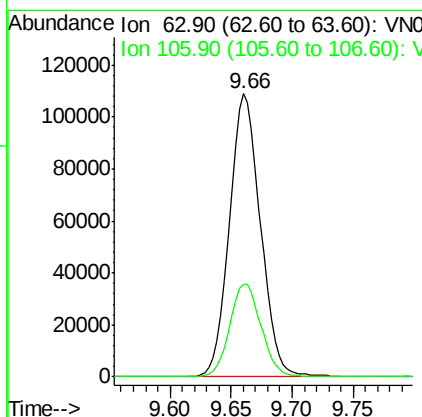
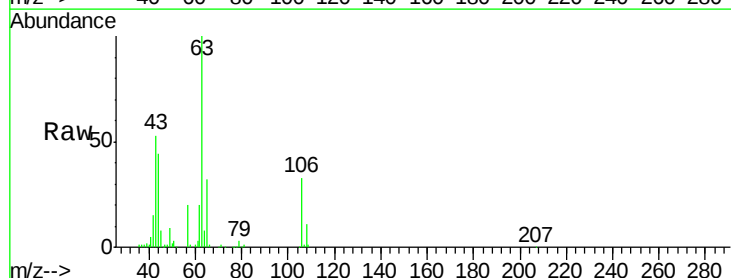
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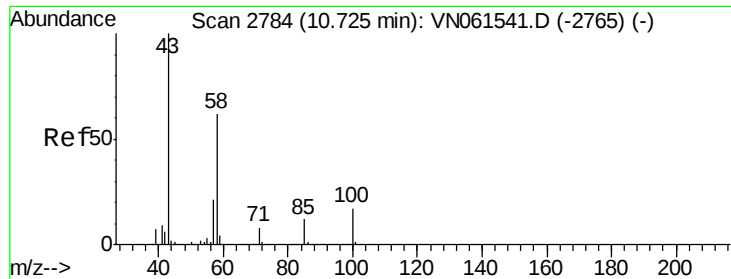
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#58
 2-Chloroethyl Vinyl ether
 Concen: 86.297 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.2	25.9	38.9





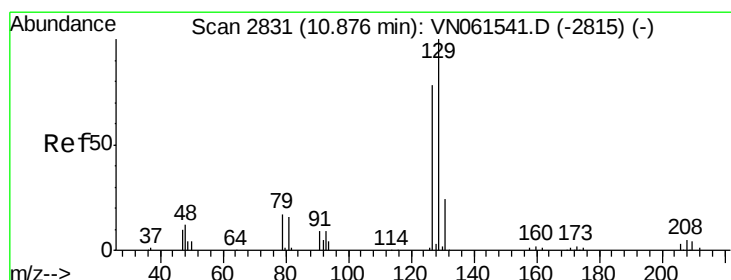
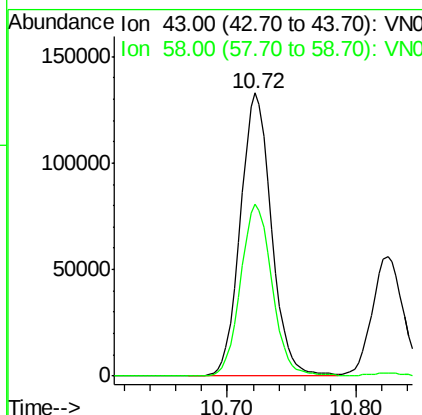
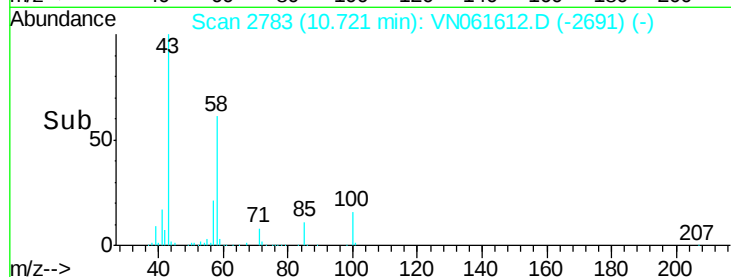
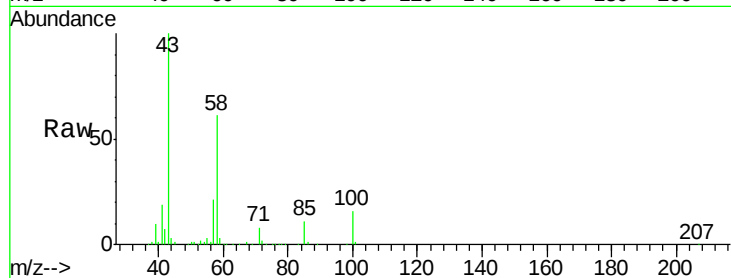
#59
2-Hexanone
Concen: 81.428 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion: 43 Resp: 223250
Ion Ratio Lower Upper
43 100
58 61.7 30.7 92.1

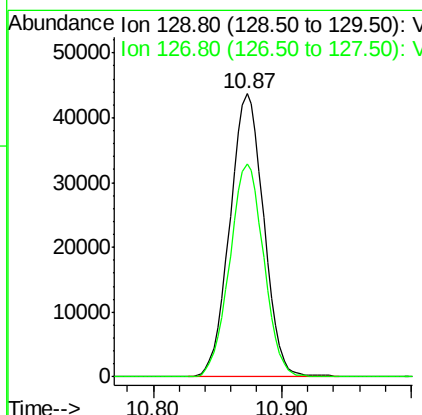
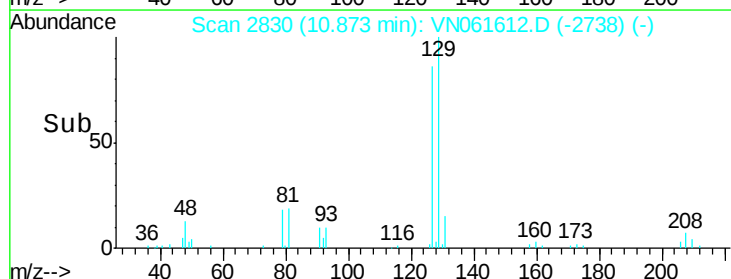
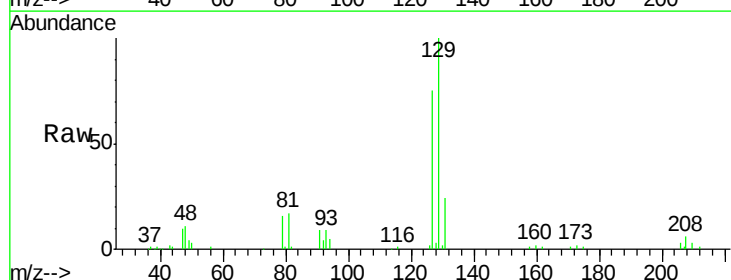
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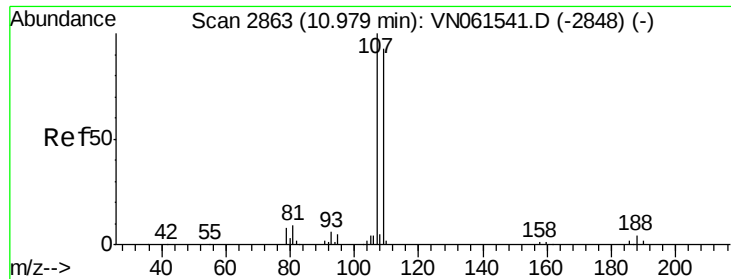
MMDadoda
6/3/2020 11:32:20 AM



#60
Dibromochloromethane
Concen: 18.675 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion: 129 Resp: 79637
Ion Ratio Lower Upper
129 100
127 75.6 38.8 116.3





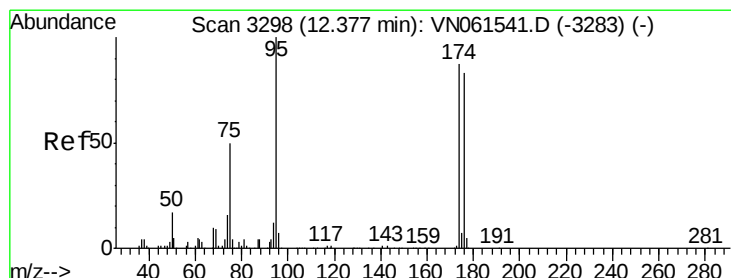
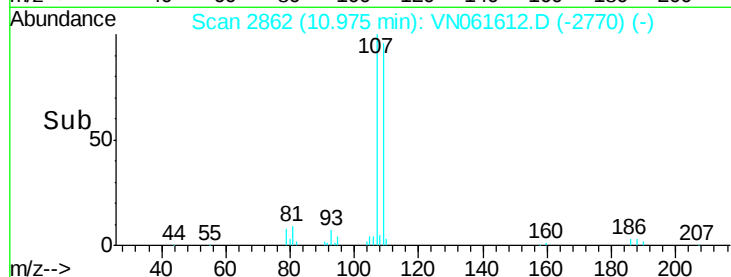
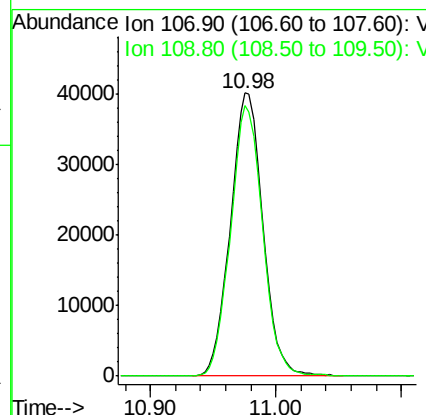
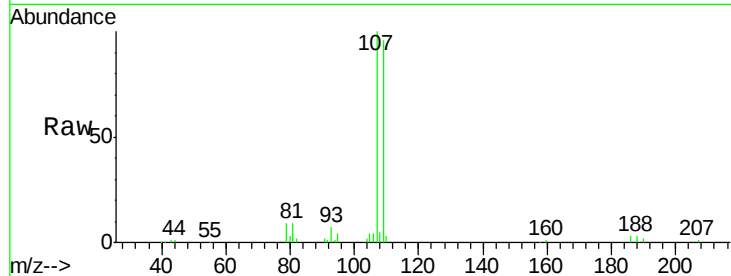
#61
 1,2-Dibromoethane
 Concen: 18.439 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBS01

Tot Ion: 107 Resp: 72133
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.1 114.1

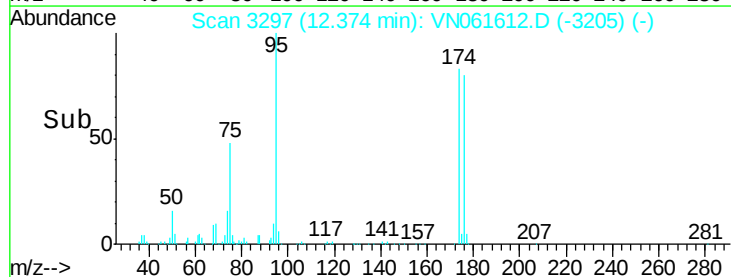
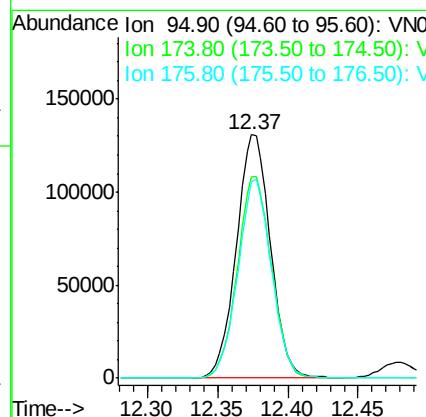
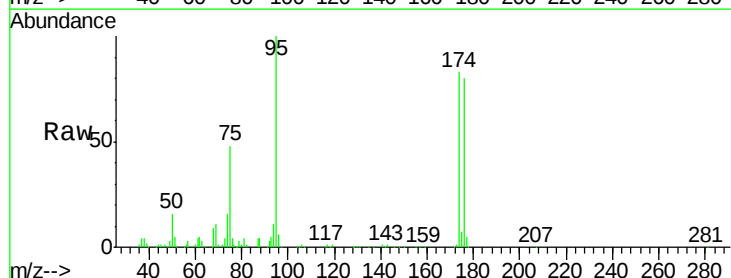
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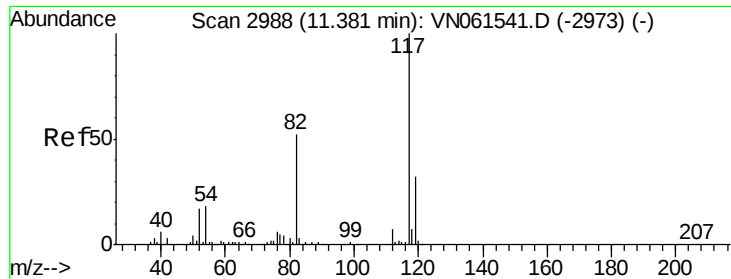
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 6/3/2020 11:32:20 AM



#62
 4-Bromofluorobenzene
 Concen: 48.999 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion: 95 Resp: 221933
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 172.8
 176 80.4 0.0 164.8





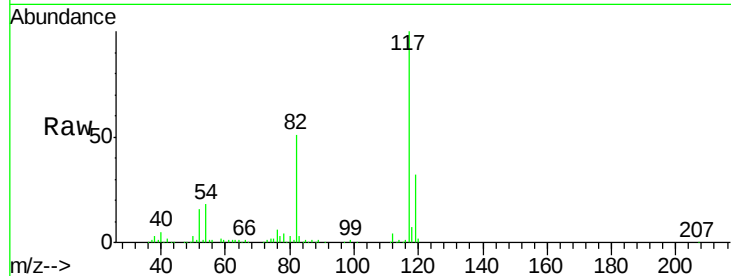
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.5	62.3
119	32.1	25.6	38.4

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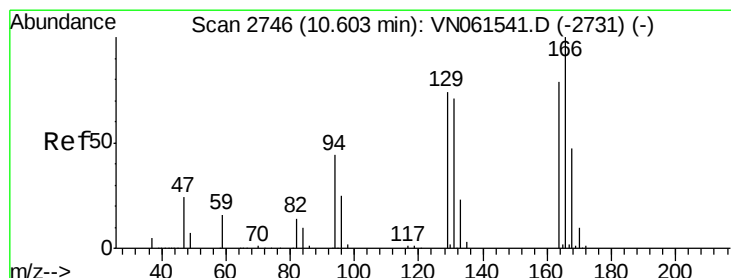
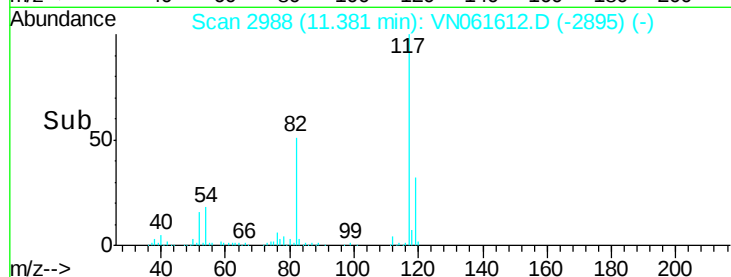
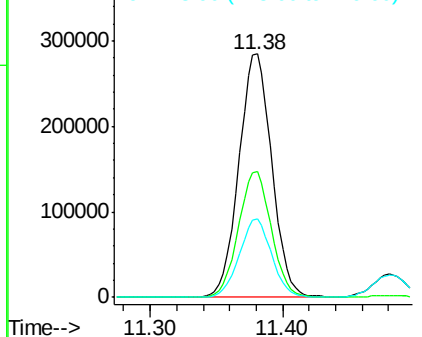


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.376 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	101.5	152.3
129	92.2	74.9	112.3
131	89.3	72.2	108.2

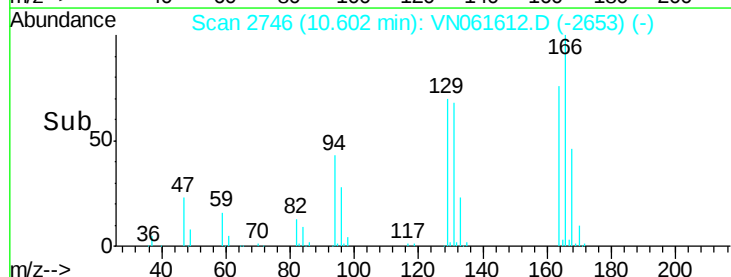
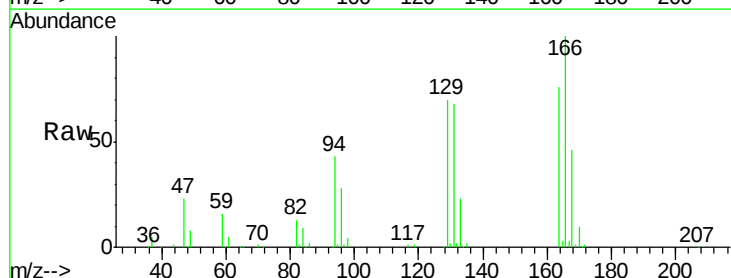
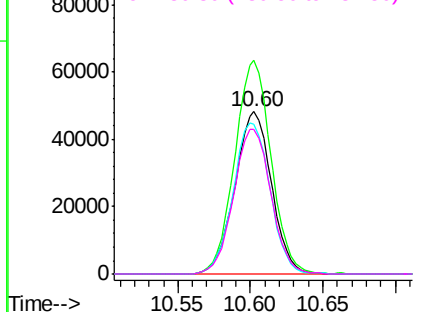
Abundance

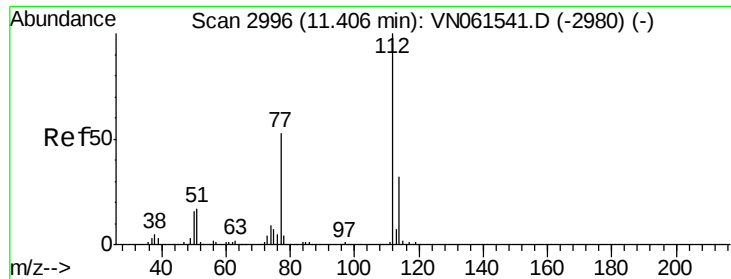
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





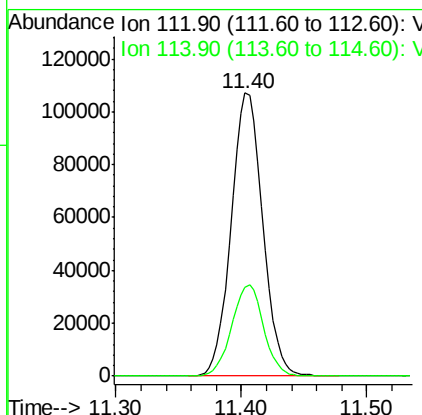
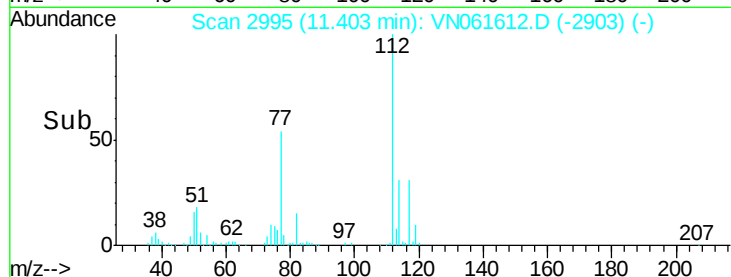
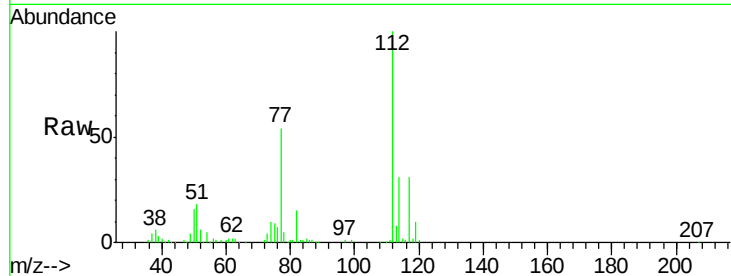
#65
Chlorobenzene
Concen: 18.359 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion:112 Resp: 187013
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5

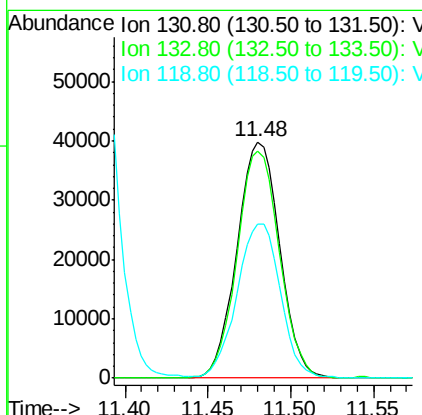
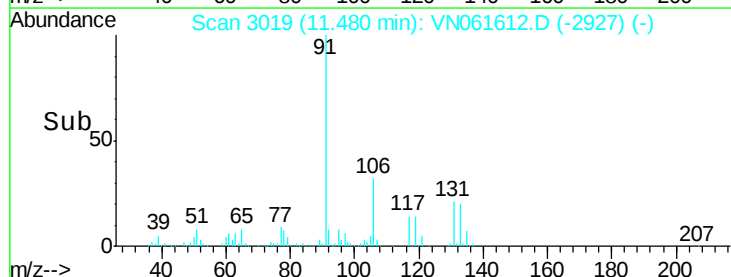
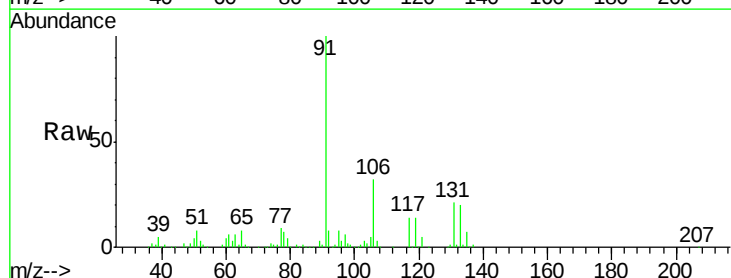
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.801 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion:131 Resp: 71313
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.2
119 66.6 32.6 97.8





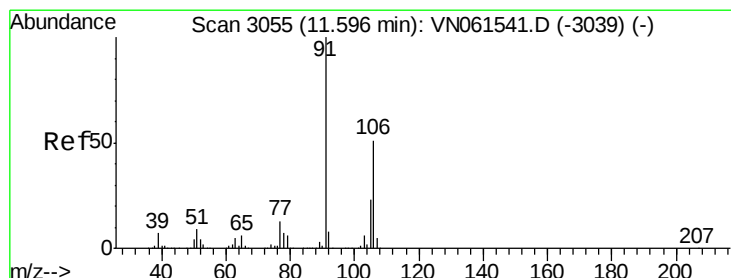
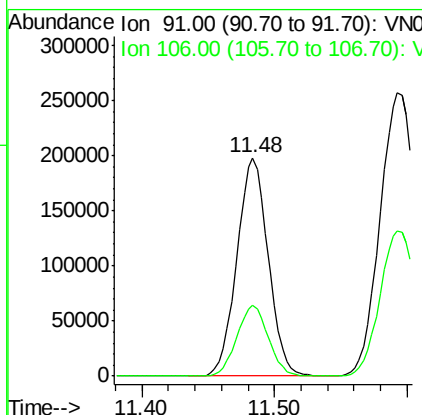
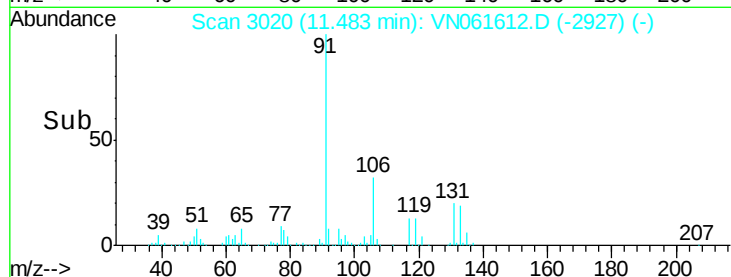
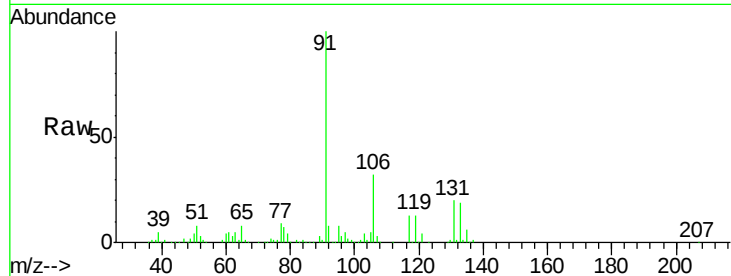
#67
Ethyl Benzene
Concen: 18.420 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion: 91 Resp: 324314
Ion Ratio Lower Upper
91 100
106 32.4 25.6 38.4

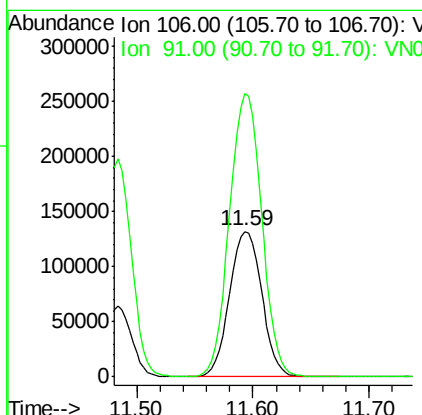
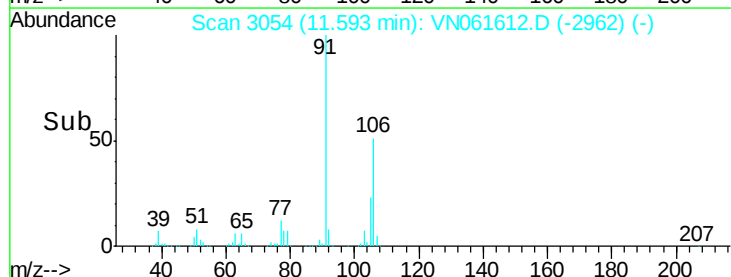
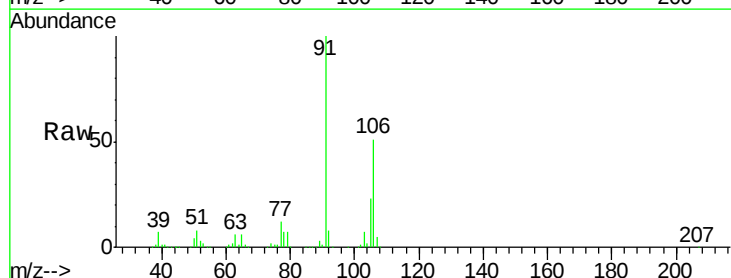
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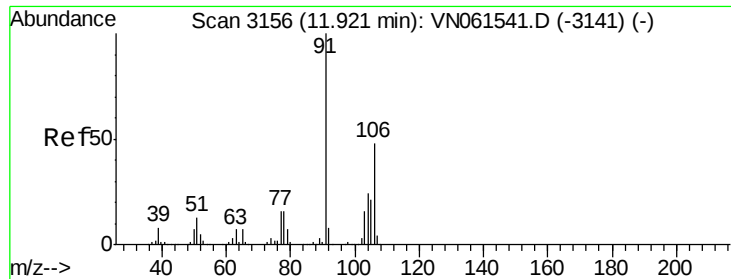
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#68
m/p-Xylenes
Concen: 36.729 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion: 106 Resp: 256407
Ion Ratio Lower Upper
106 100
91 194.0 156.2 234.4





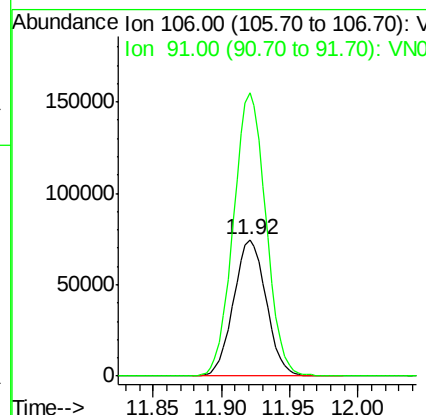
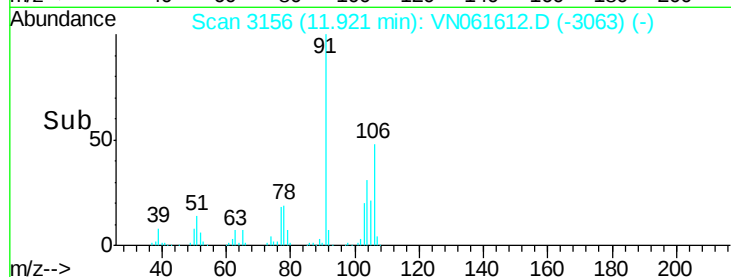
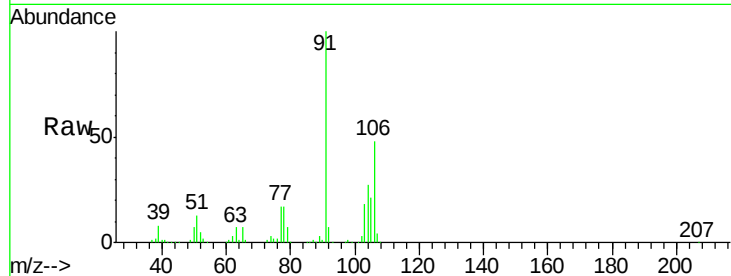
#69
o-Xylene
Concen: 18.660 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.0	103.3	309.8

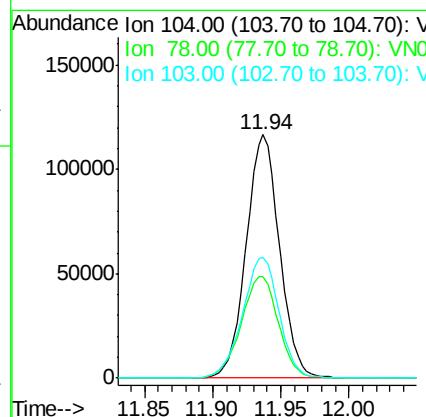
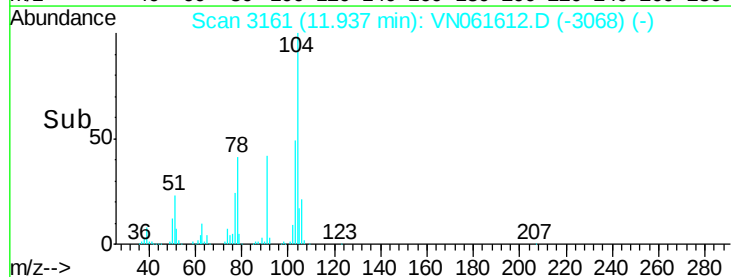
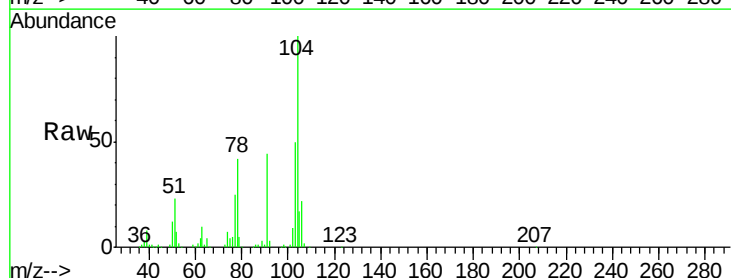
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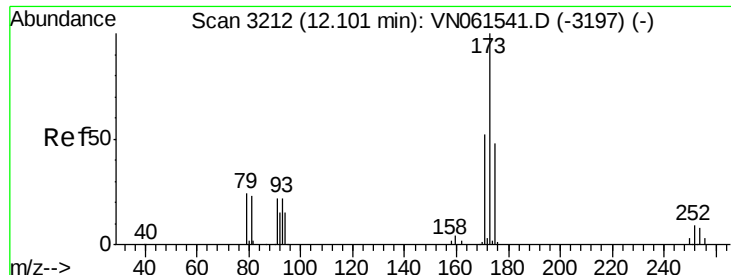
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#70
Styrene
Concen: 18.069 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	37.4	56.0
103	54.6	42.3	63.5





#71

Bromoform

Concen: 17.230 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBS01

Tot Ion:173 Resp: 50359

Ion Ratio Lower Upper

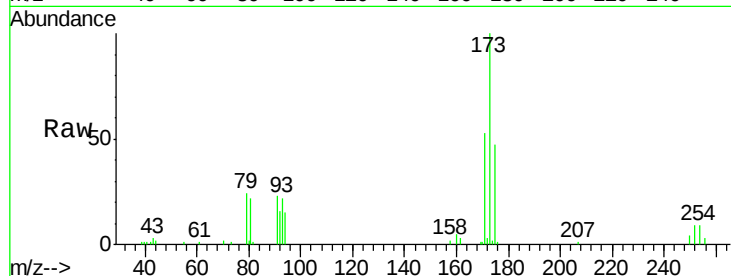
173 100

175 47.9 24.4 73.2

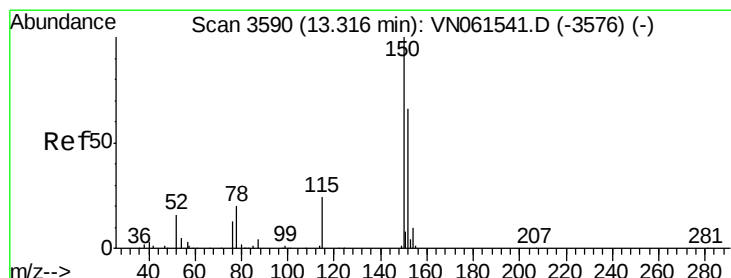
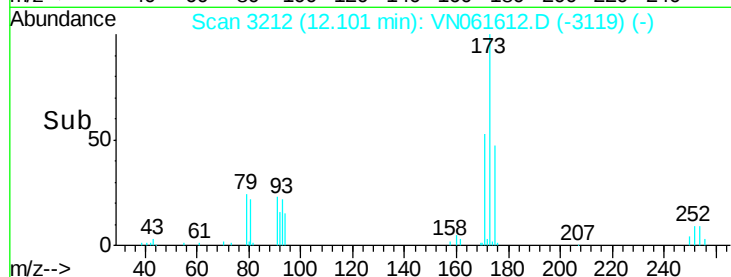
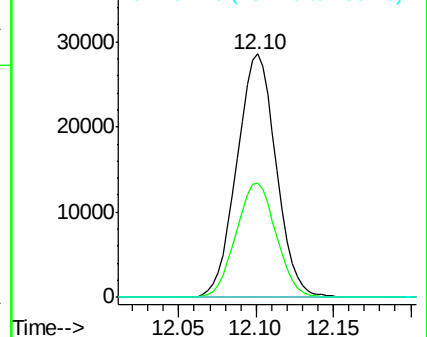
254 0.0 0.0 0.0

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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: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

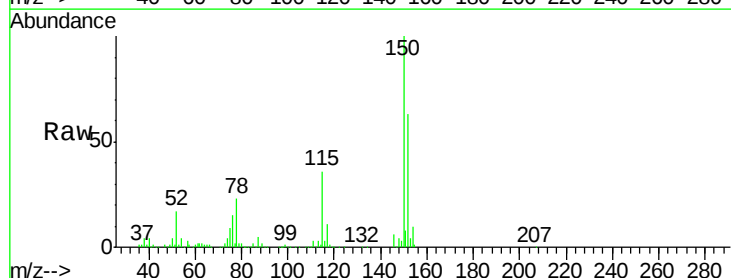
Tgt Ion:152 Resp: 238613

Ion Ratio Lower Upper

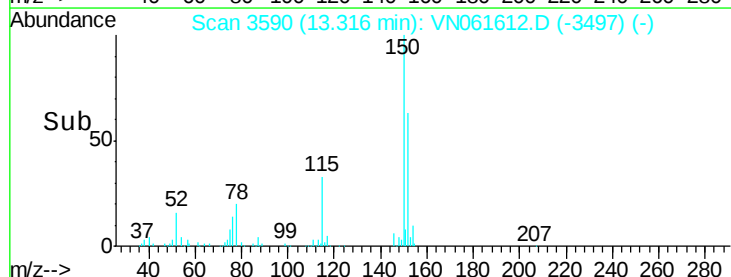
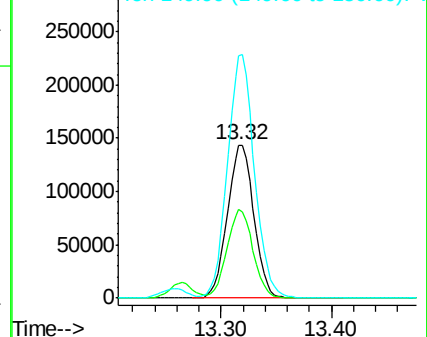
152 100

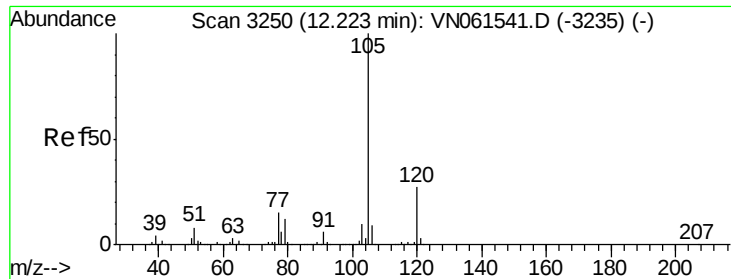
115 56.8 28.0 84.0

150 162.8 0.0 344.0



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: 18.775 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBS01

Tot Ion: 105 Resp: 326970

Ion Ratio Lower Upper

105 100

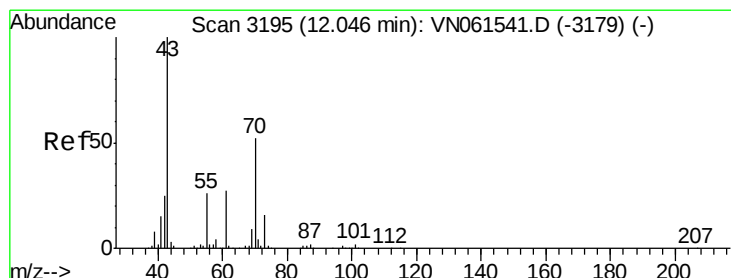
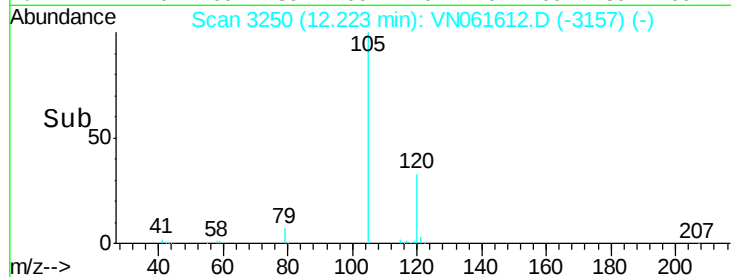
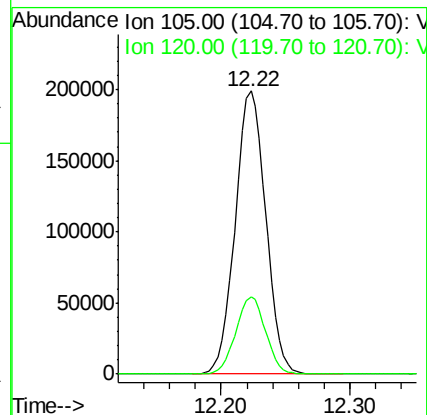
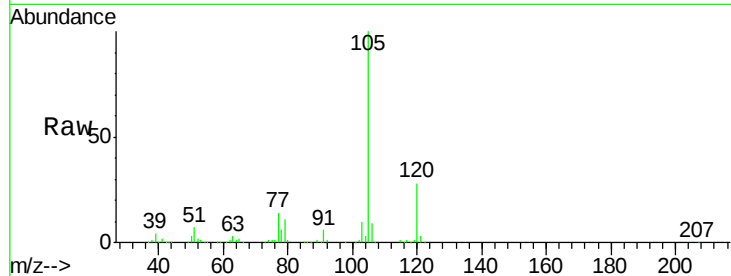
120 26.7 13.8 41.3

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#74

N-ethyl acetate

Concen: 16.387 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion: 43 Resp: 89876

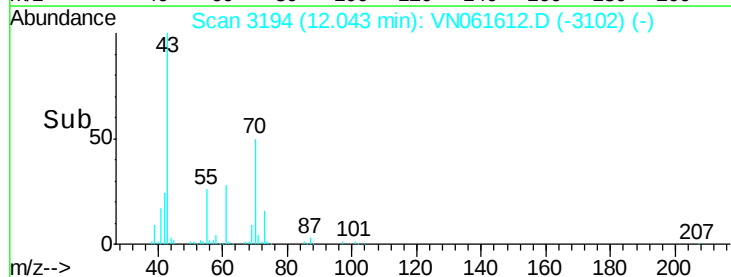
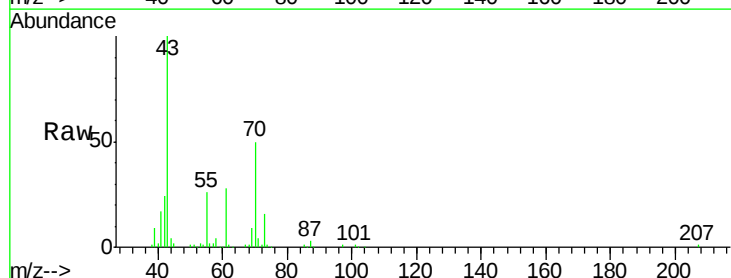
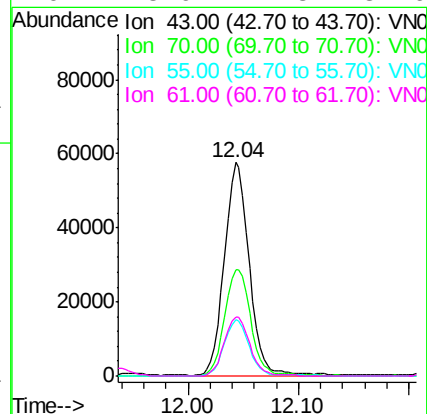
Ion Ratio Lower Upper

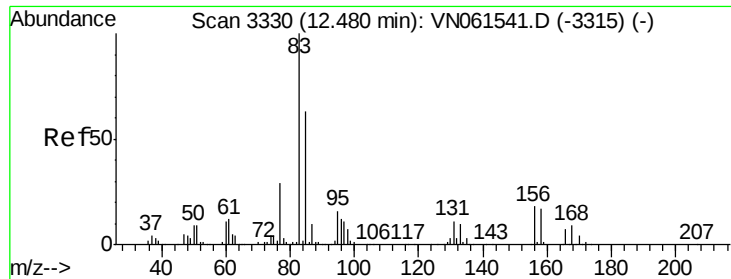
43 100

70 53.0 40.5 60.7

55 26.5 20.6 31.0

61 28.9 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.772 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

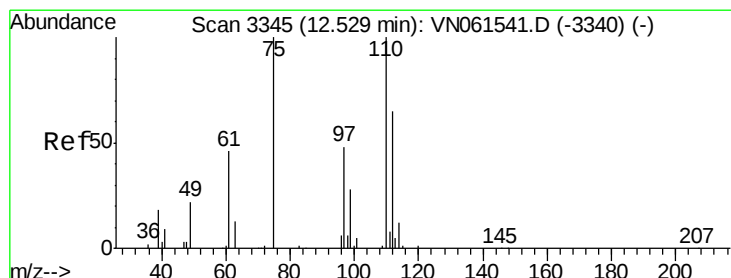
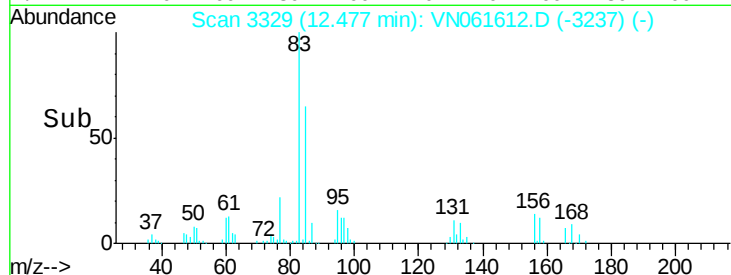
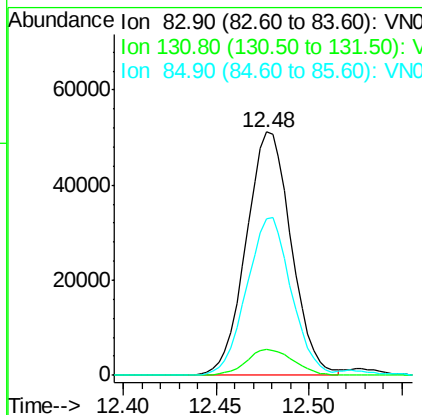
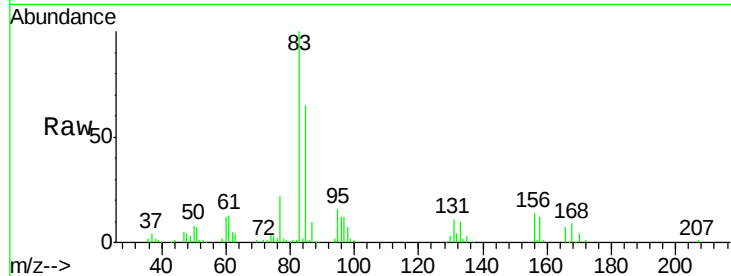
ClientSampled :

VN0602MBS01

Tot Ion:	83	Resp:	86734
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.5
85	64.1	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 18.613 ug/l m

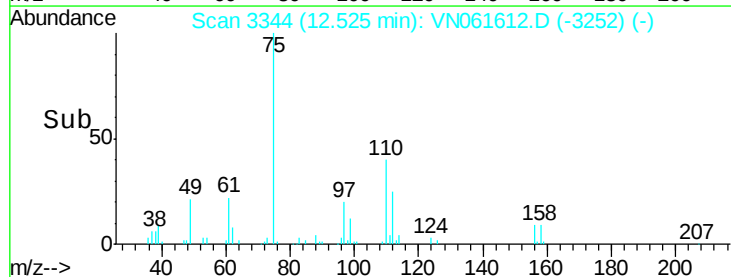
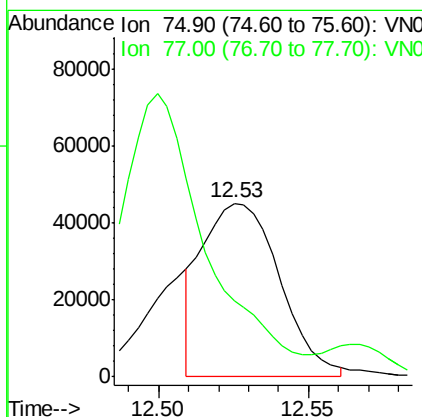
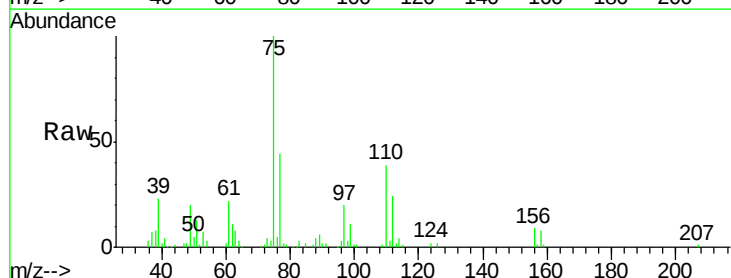
RT: 12.53 min Scan# 3344

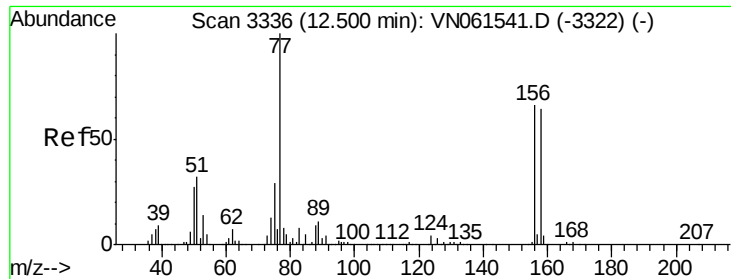
Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	75	Resp:	80759
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.705 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

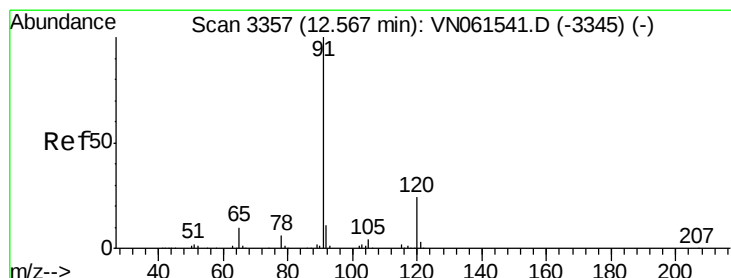
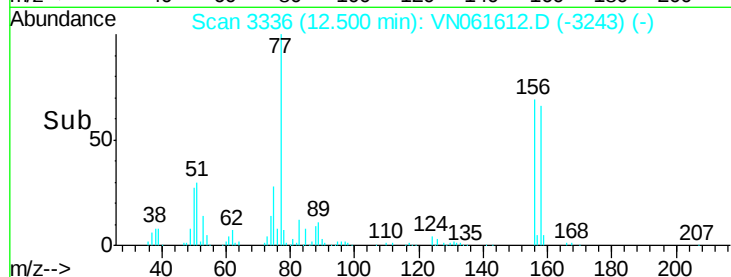
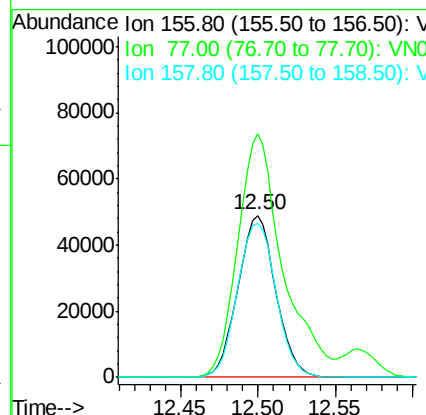
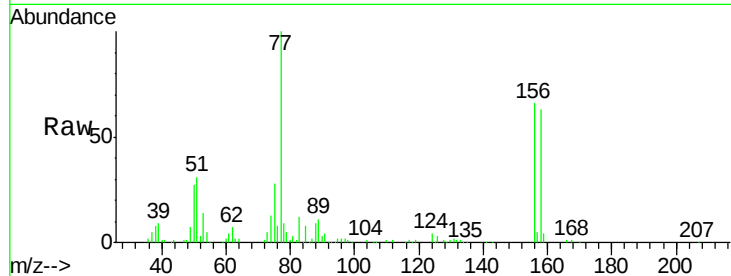
ClientSampled :

VN0602MBS01

Tot Ion:	156	Resp:	83154
Ion Ratio	Lower	Upper	
156	100		
77	180.3	90.9	272.7
158	97.5	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.470 ug/l

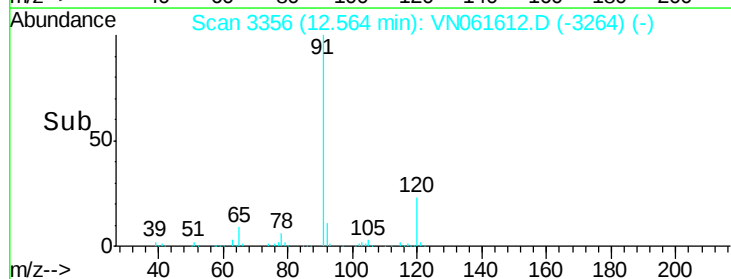
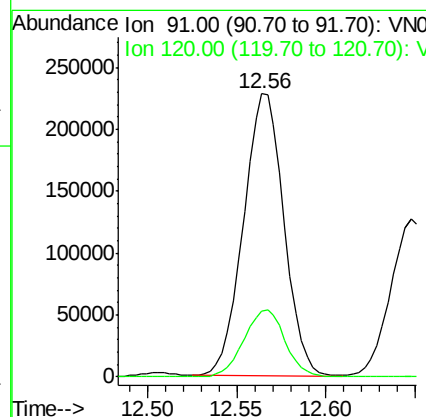
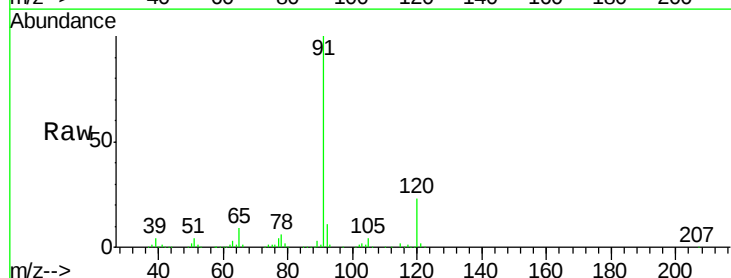
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	91	Resp:	359111
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.3	36.9





#79

2-Chlorotoluene

Concen: 18.104 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0602MBS01

Tot Ion: 91 Resp: 209881

Ion Ratio Lower Upper

91 100

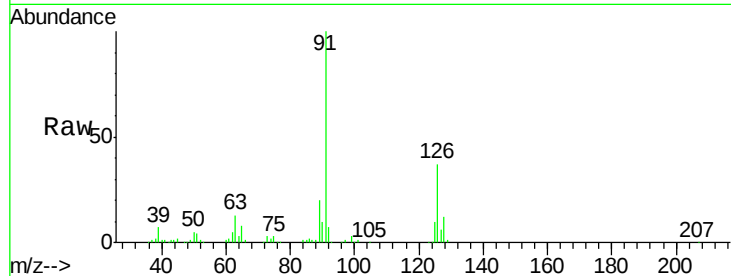
126 36.6 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061612.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061612.D (-3382) (-)

150000

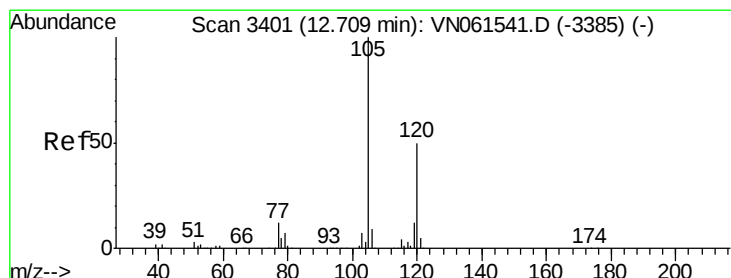
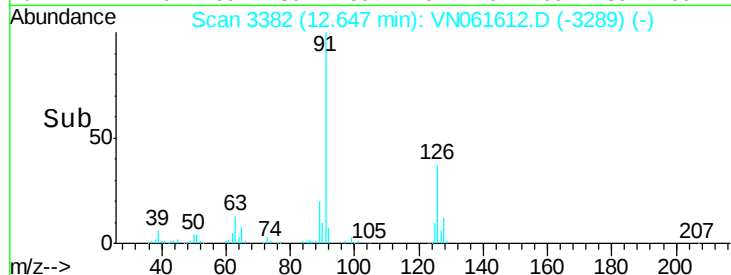
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.673 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061612.D

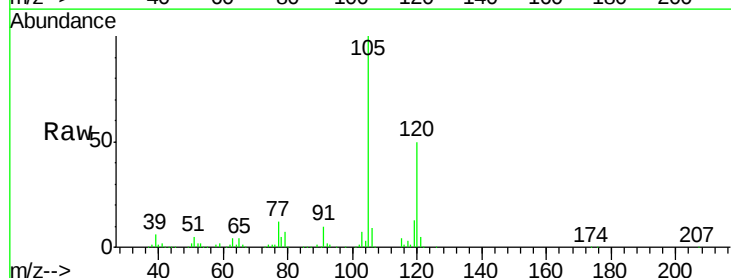
Acq: 2 Jun 2020 11:51

Tgt Ion: 105 Resp: 271813

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061612.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061612.D (-3401) (-)

150000

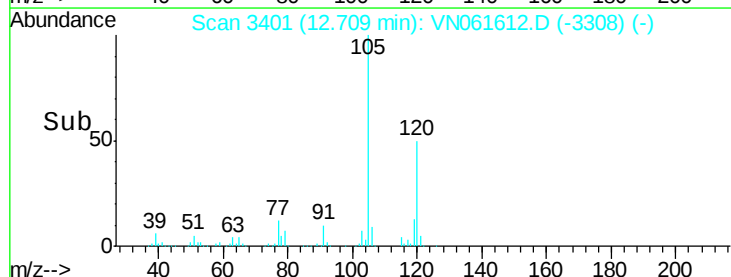
100000

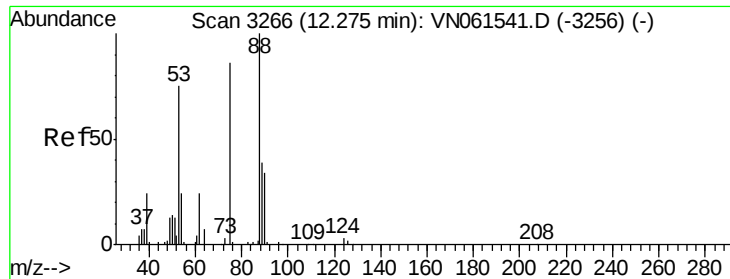
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.127 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

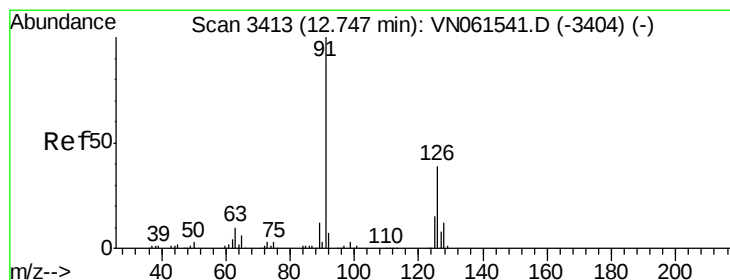
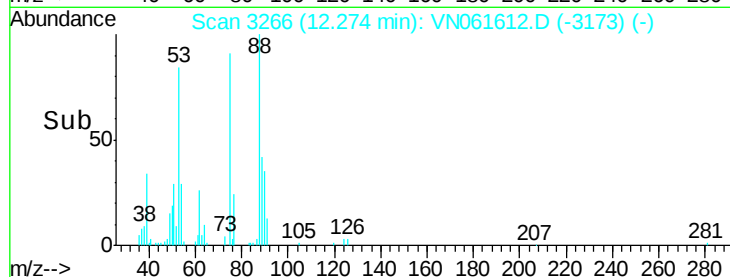
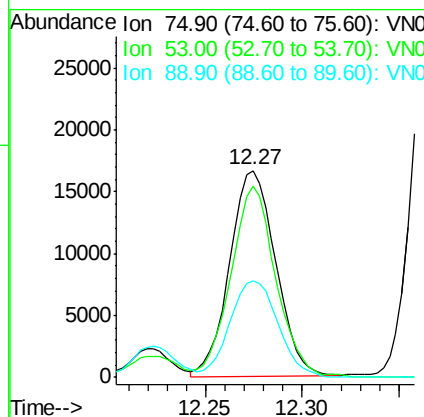
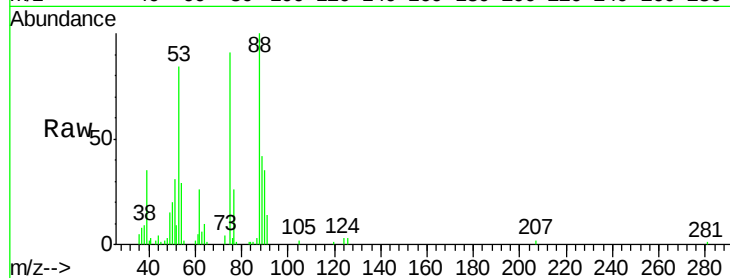
ClientSampled :

VN0602MBS01

Tot Ion:	75	Resp:	27363
Ion	Ratio	Lower	Upper
75	100		
53	91.6	67.8	101.8
89	49.5	37.1	55.7

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#82

4-Chlorotoluene

Concen: 18.168 ug/l

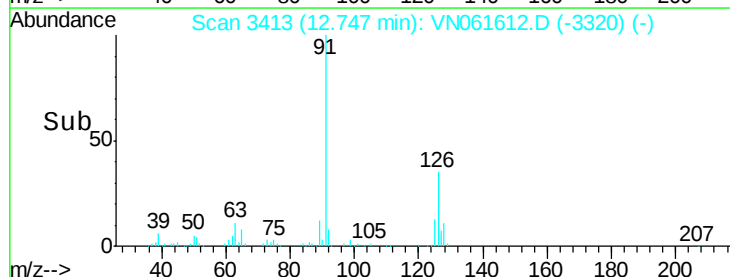
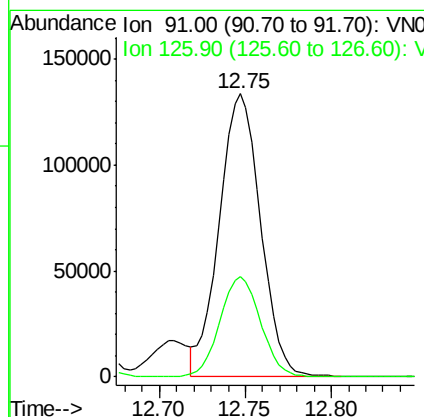
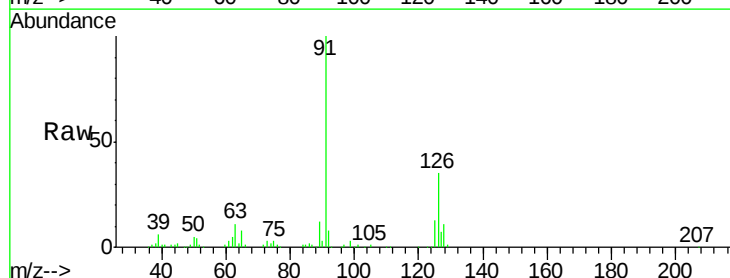
RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	91	Resp:	221574
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6





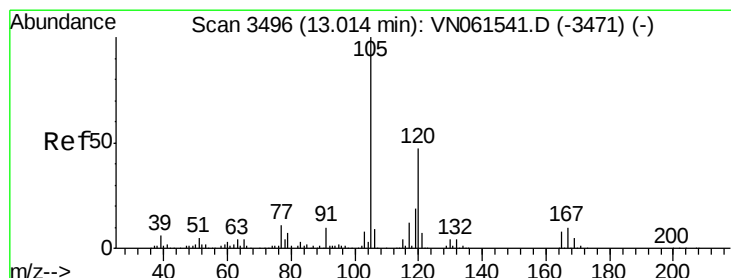
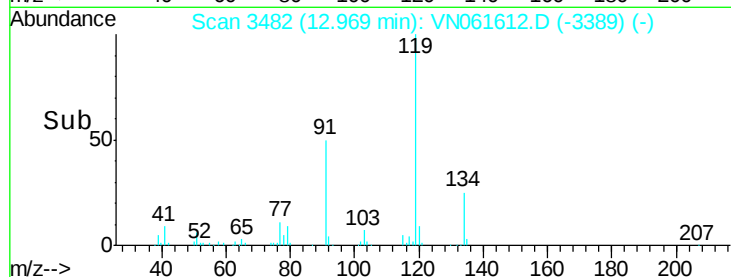
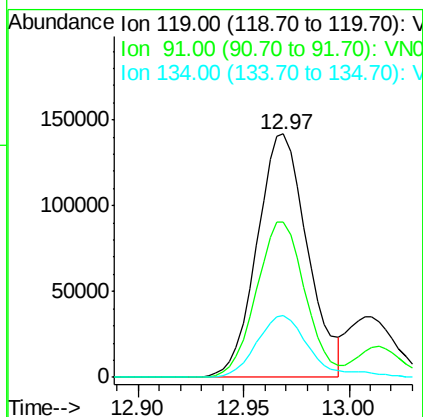
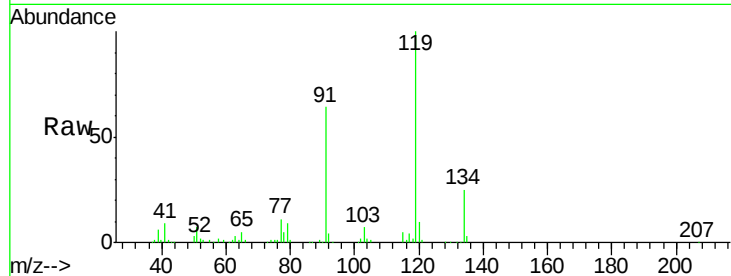
#83
 tert-Butylbenzene
 Concen: 18.397 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	236606		
91	61.8		31.3	93.8
134	26.8		13.5	40.4

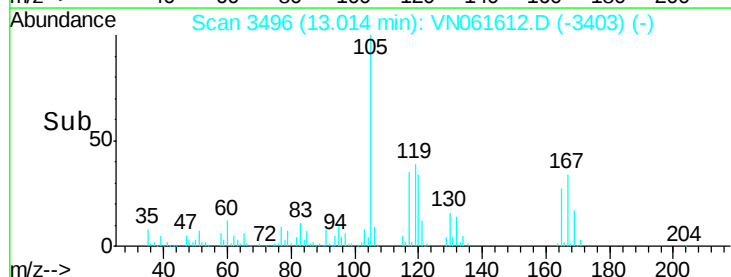
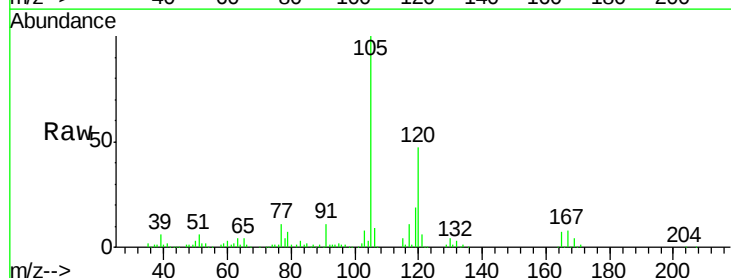
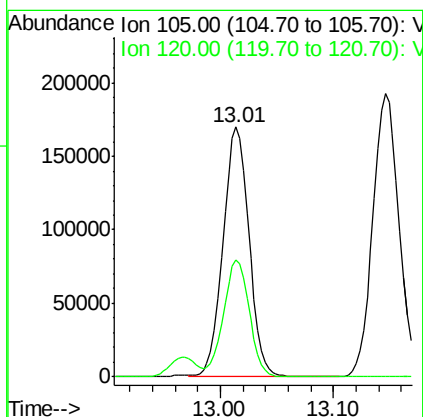
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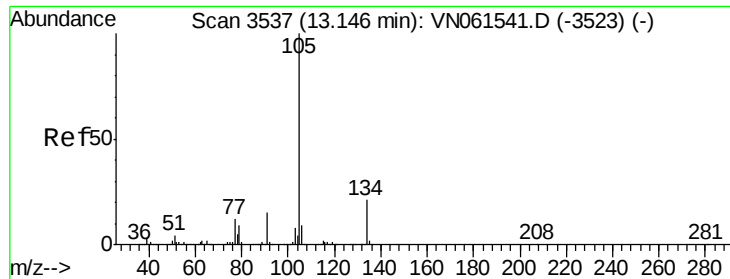
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.697 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270373		
120	46.7		23.2	69.5





#85

sec-Butylbenzene

Concen: 18.569 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBS01

Tot Ion:105 Resp: 307732

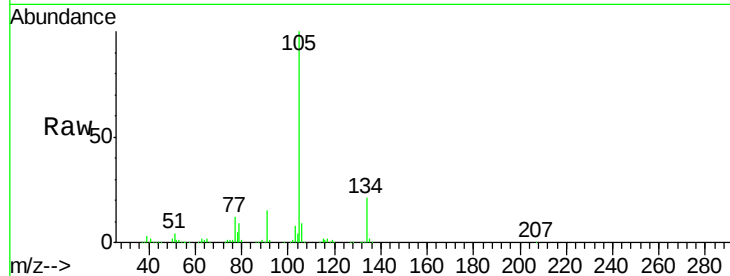
Ion Ratio Lower Upper

105 100

134 20.7 10.7 31.9

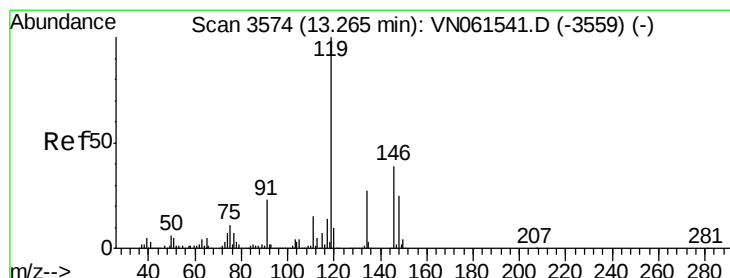
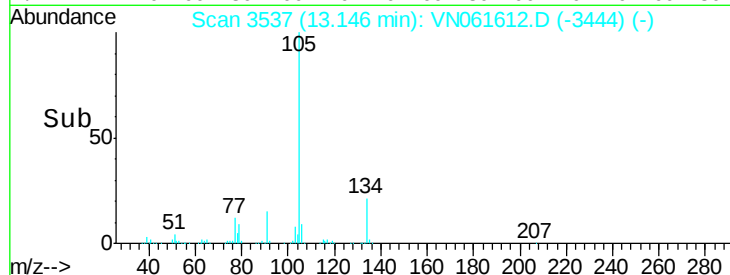
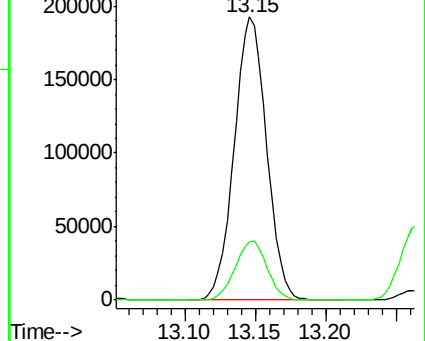
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.603 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

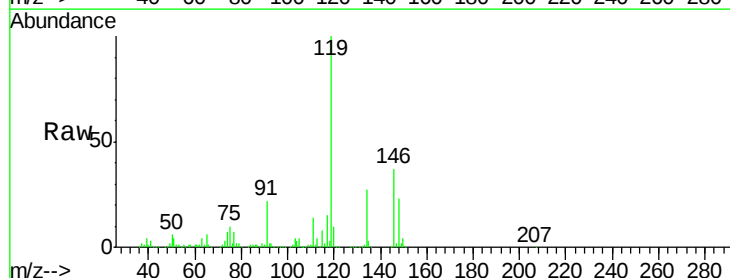
Tgt Ion:119 Resp: 283926

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

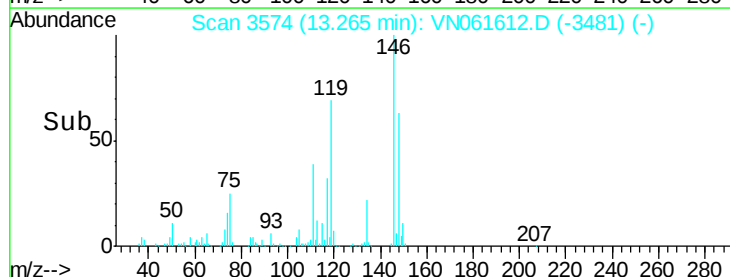
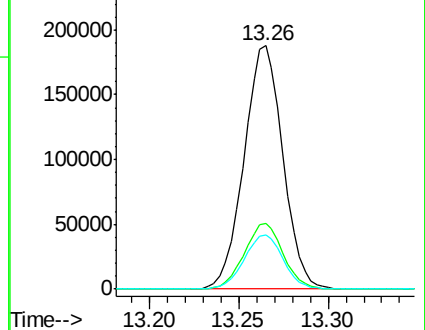
91 22.6 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





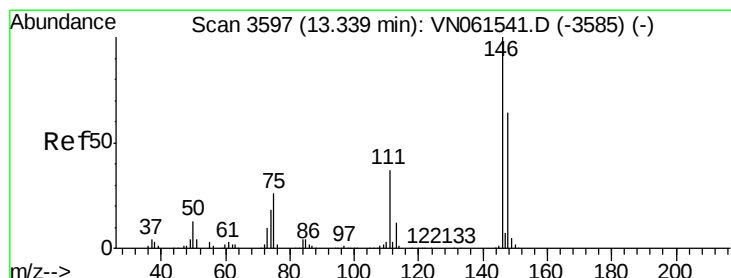
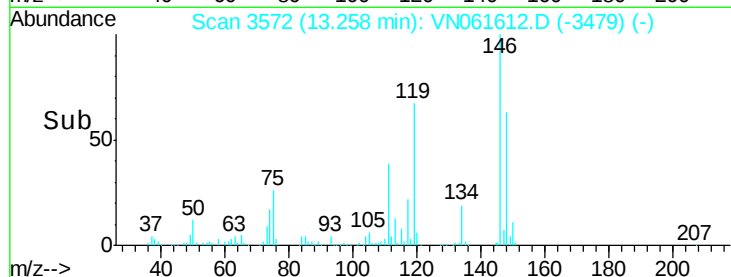
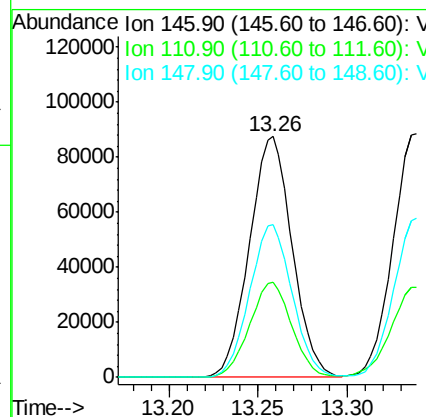
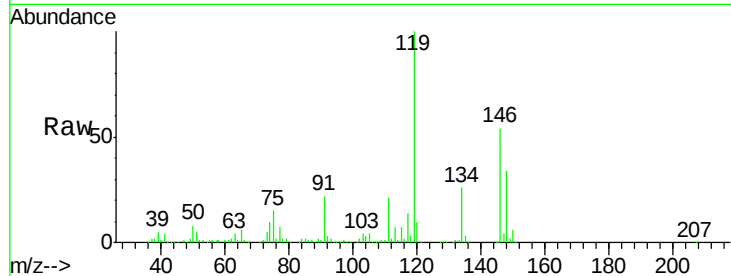
#87
 1,3-Dichlorobenzene
 Concen: 18.660 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	63.1	31.7	95.1

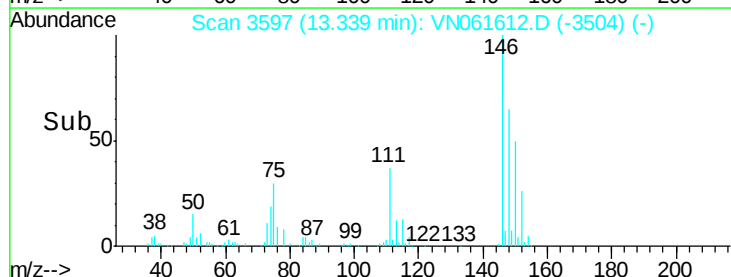
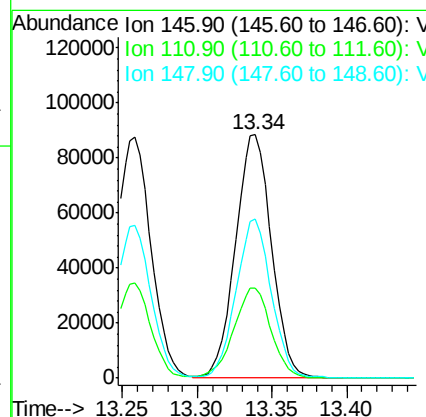
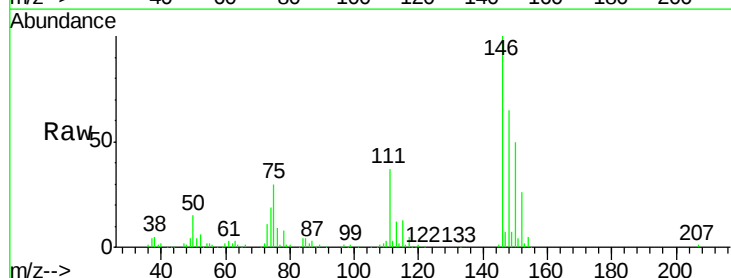
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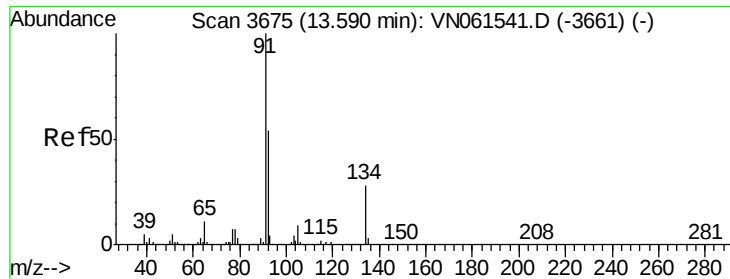
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#88
 1,4-Dichlorobenzene
 Concen: 18.392 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	63.9	31.8	95.3





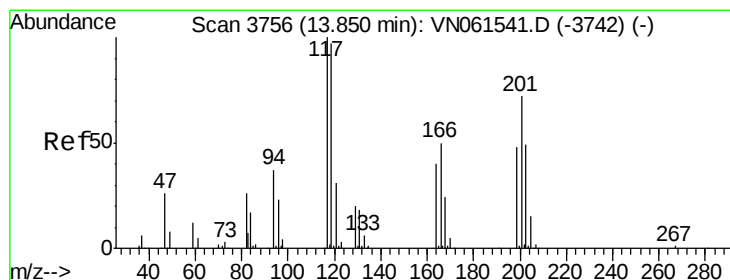
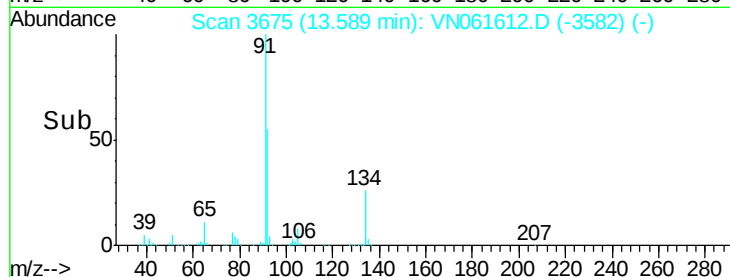
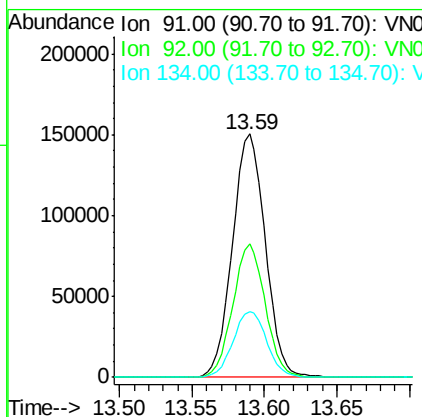
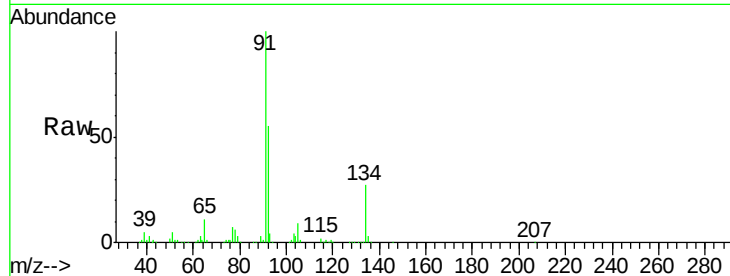
#89
n-Butylbenzene
Concen: 18.558 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.2	81.6
134	27.6	14.0	42.0

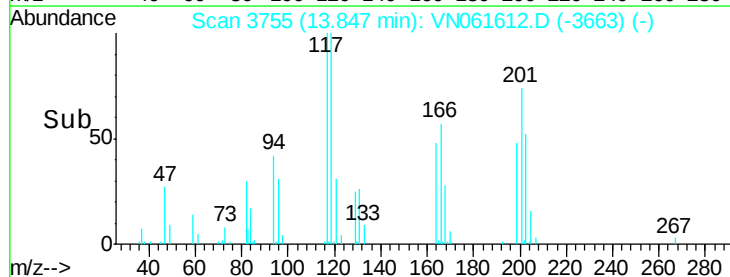
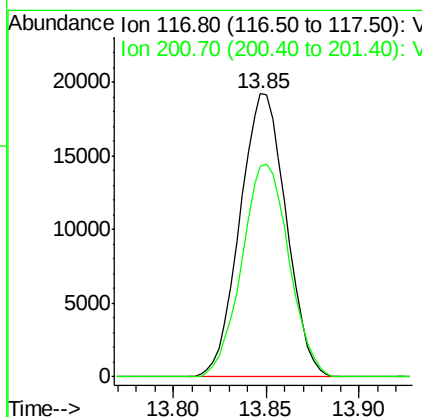
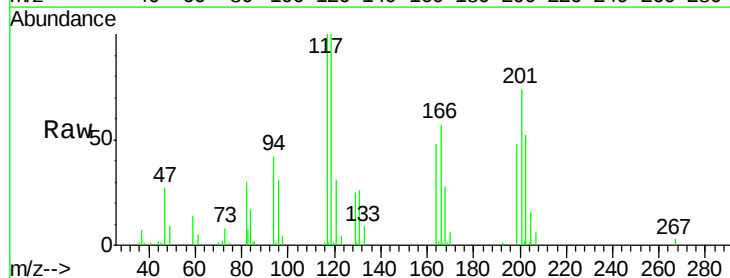
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#90
Hexachloroethane
Concen: 19.839 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061612.D
Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	36.7	110.1





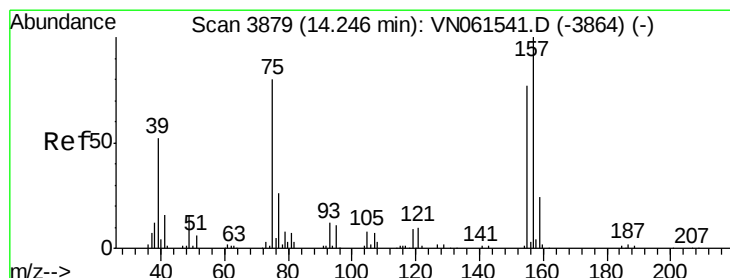
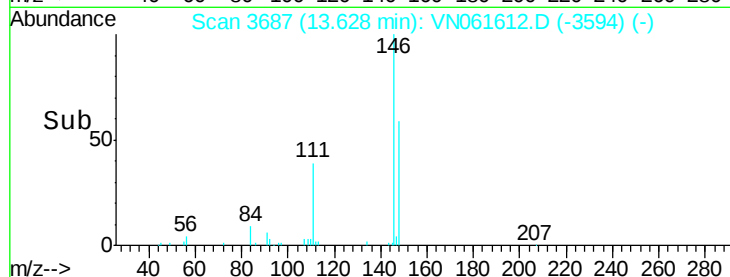
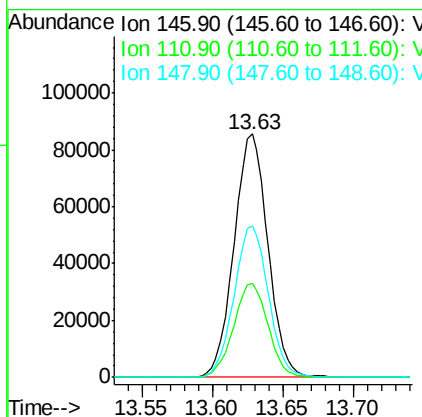
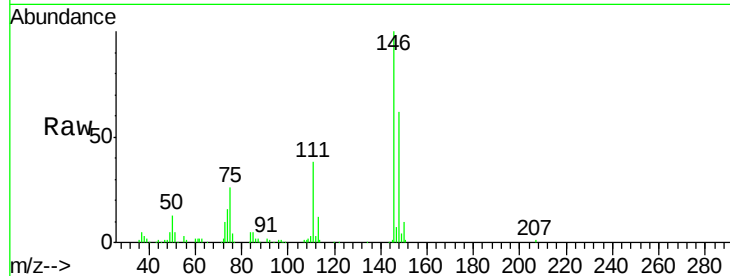
#91
 1,2-Dichlorobenzene
 Concen: 19.205 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	62.8	31.9	95.5

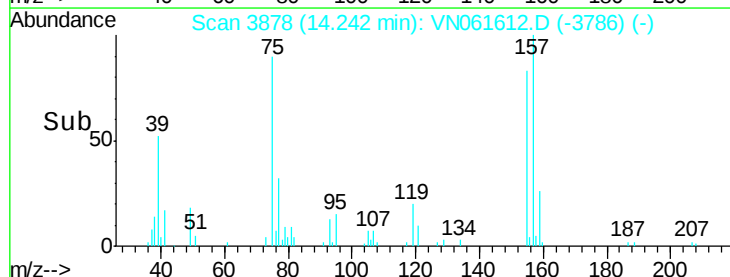
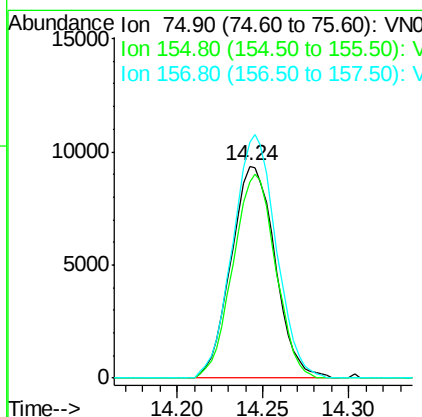
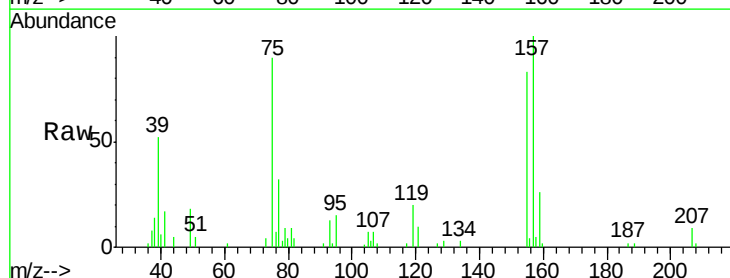
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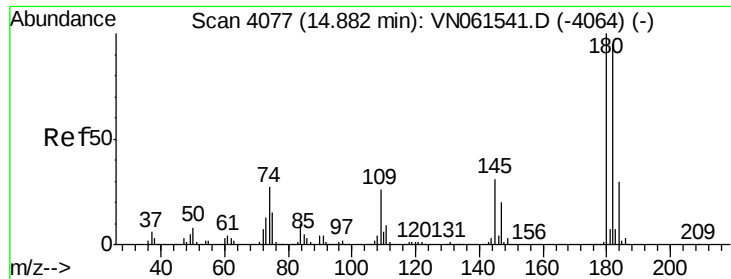
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.725 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	47.1	141.4
157	113.2	60.3	180.8





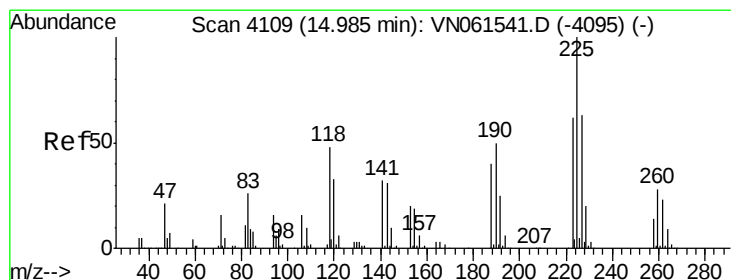
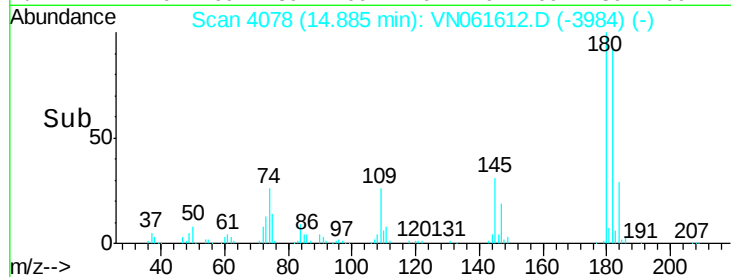
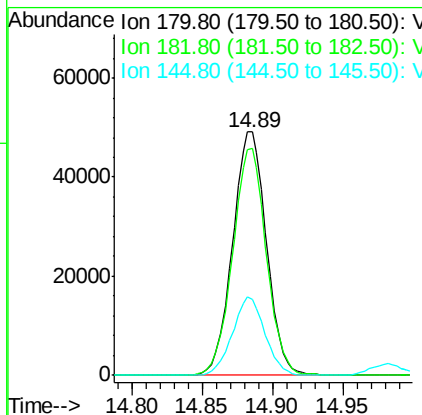
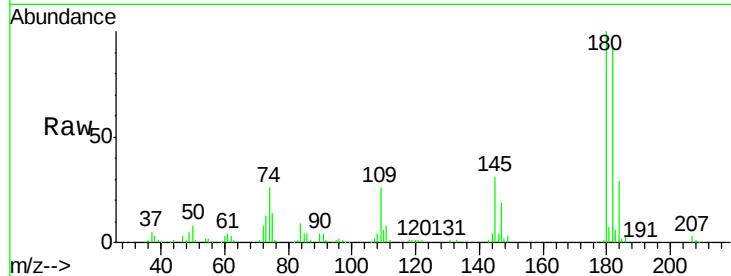
#93
 1,2,4-Trichlorobenzene
 Concen: 18.733 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.8	143.3
145	30.9	15.5	46.5

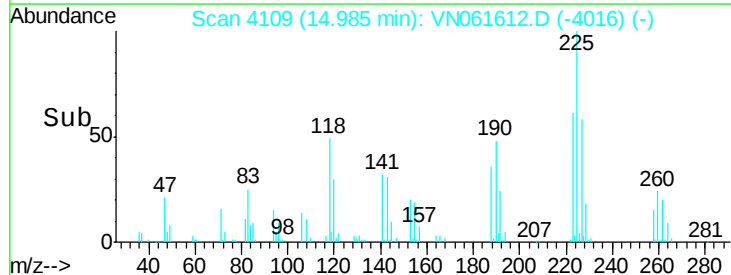
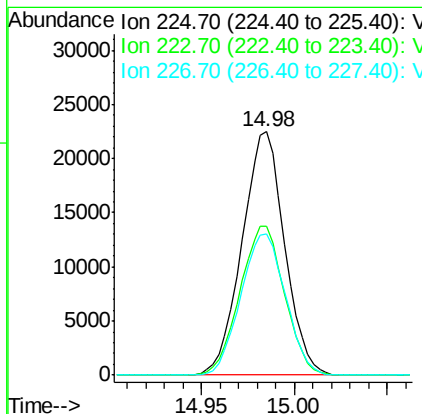
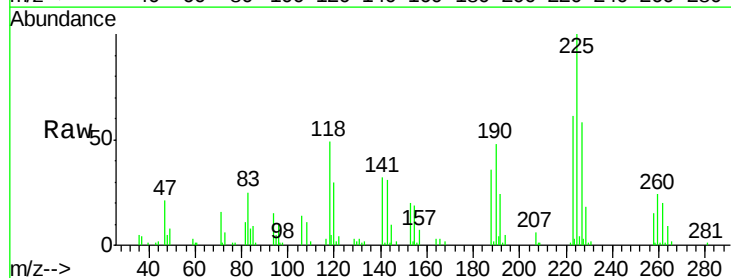
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#94
 Hexachlorobutadiene
 Concen: 19.082 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061612.D
 Acq: 2 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.5
227	60.8	31.9	95.9





#95

Naphthalene

Concen: 17.688 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Instrument :

MSVOA_N

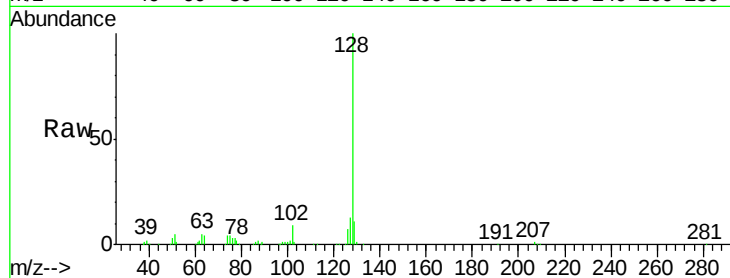
ClientSampled :

VN0602MBS01

Tot Ion:	128	Resp:	236866
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

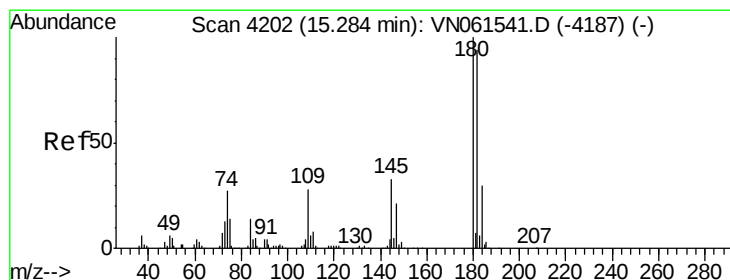
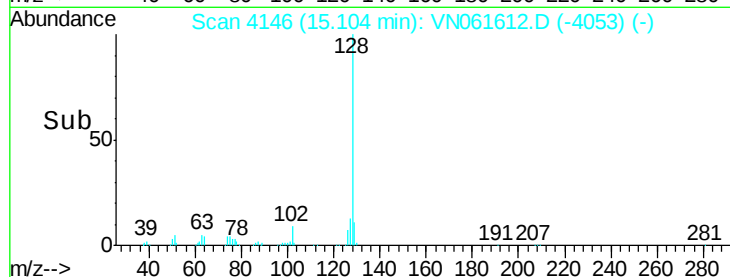
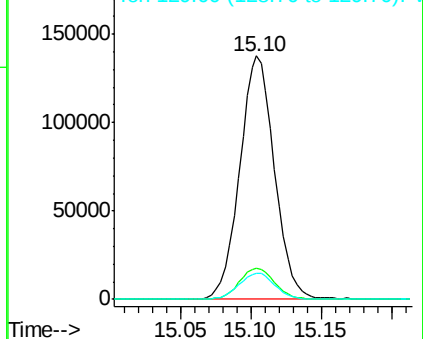
MMDadoda
6/3/2020 11:32:20 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.659 ug/l

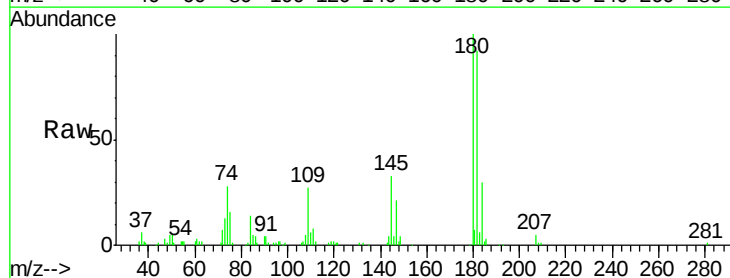
RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061612.D

Acq: 2 Jun 2020 11:51

Tgt Ion:	180	Resp:	80715
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.1	141.3
145	33.2	16.3	48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

