

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060953.D
 Acq On : 15 Apr 2020 12:05
 Operator : JC/MD
 Sample : VN0415WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:57 AM

Quant Time: Apr 16 07:08:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	133074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	220276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	201177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	93694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	93507	51.19	ug/l	0.00
Spiked Amount						
			Recovery	=	102.38%	
35) Dibromofluoromethane	7.56	113	69211	51.96	ug/l	0.00
Spiked Amount						
			Recovery	=	103.92%	
50) Toluene-d8	10.08	98	268799	49.41	ug/l	0.00
Spiked Amount						
			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.39	95	100296	50.30	ug/l	0.00
Spiked Amount						
			Recovery	=	100.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	20319	15.780	ug/l	97
3) Chloromethane	2.04	50	37431	15.565	ug/l	99
4) Vinyl Chloride	2.17	62	30280	16.098	ug/l	99
5) Bromomethane	2.55	94	16168	19.912	ug/l	99
6) Chloroethane	2.69	64	19442	17.943	ug/l	98
7) Trichlorofluoromethane	3.00	101	42292	18.252	ug/l	98
8) Diethyl Ether	3.38	74	18414	19.783	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	25979	19.350	ug/l	99
10) Methyl Iodide	3.93	142	19450	16.280	ug/l	99
11) Tert butyl alcohol	4.72	59	24794	92.286	ug/l	97
12) 1,1-Dichloroethene	3.72	96	25454	17.667	ug/l	100
13) Acrolein	3.57	56	22744	76.384	ug/l	100
14) Allyl chloride	4.29	41	48338	19.076	ug/l	97
15) Acrylonitrile	4.94	53	79490	100.616	ug/l	99
16) Acetone	3.78	43	65768	101.636	ug/l	99
17) Carbon Disulfide	4.03	76	67441	15.391	ug/l	99
18) Methyl Acetate	4.29	43	38636	21.212	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	97193	19.621	ug/l	97
20) Methylene Chloride	4.52	84	30486	19.152	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	27340	17.805	ug/l	94
22) Diisopropyl ether	5.91	45	112165	20.951	ug/l	99
23) Vinyl Acetate	5.85	43	450471	103.128	ug/l	99
24) 1,1-Dichloroethane	5.81	63	58056	19.892	ug/l	98
25) 2-Butanone	6.79	43	103513	98.856	ug/l	98
26) 2,2-Dichloropropane	6.79	77	48637	21.181	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	33547	19.225	ug/l	98
28) Bromochloromethane	7.17	49	28762	20.598	ug/l	97
29) Tetrahydrofuran	7.18	42	71485	96.488	ug/l	97
30) Chloroform	7.34	83	55141	19.708	ug/l	100
31) Cyclohexane	7.63	56	52459	17.829	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	46499	19.279	ug/l	99
36) 1,1-Dichloropropene	7.77	75	40683	19.074	ug/l	99
37) Ethyl Acetate	6.89	43	45405	19.701	ug/l	99
38) Carbon Tetrachloride	7.75	117	35673	18.661	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	47471	18.728	ug/l	99
40) Benzene	8.01	78	124254	19.297	ug/l	100
41) Methacrylonitrile	7.14	41	17334m	17.623	ug/l	
42) 1,2-Dichloroethane	8.10	62	45148	20.517	ug/l	99
43) Isopropyl Acetate	8.14	43	76741	20.190	ug/l	99
44) Trichloroethene	8.81	130	31134	19.181	ug/l	97
45) 1,2-Dichloropropane	9.10	63	35437	20.857	ug/l	98
46) Dibromomethane	9.19	93	20607	20.062	ug/l	98
47) Bromodichloromethane	9.38	83	43512	20.386	ug/l	97
48) Methyl methacrylate	9.18	41	33331	19.696	ug/l	98
49) 1,4-Dioxane	9.18	88	8373	416.265	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	220514	101.954	ug/l	99
52) Toluene	10.14	92	75427	19.397	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	50471	20.586	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	54950	20.430	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	30158	20.159	ug/l	98
56) Ethyl methacrylate	10.42	69	45948	19.698	ug/l	97
57) 1,3-Dichloropropane	10.70	76	53737	20.700	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	102134	88.096	ug/l	98
59) 2-Hexanone	10.74	43	152093	97.618	ug/l	100
60) Dibromochloromethane	10.89	129	30795	19.928	ug/l	99
61) 1,2-Dibromoethane	10.99	107	29864	19.852	ug/l	100
64) Tetrachloroethene	10.62	164	28811	18.199	ug/l	96
65) Chlorobenzene	11.42	112	77701	19.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	28909	20.021	ug/l	98
67) Ethyl Benzene	11.50	91	144148	19.436	ug/l	100
68) m/p-Xylenes	11.61	106	104584	37.947	ug/l	98
69) o-Xylene	11.94	106	50674	19.261	ug/l	98
70) Styrene	11.96	104	82186	19.100	ug/l	99
71) Bromoform	12.12	173	21274	18.811	ug/l #	100
73) Isopropylbenzene	12.24	105	137768	19.593	ug/l	100
74) N-amyl acetate	12.06	43	63038	19.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	42990	20.218	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	37698m	18.646	ug/l	
77) Bromobenzene	12.52	156	32885	19.409	ug/l	99
78) n-propylbenzene	12.59	91	161559	19.448	ug/l	99
79) 2-Chlorotoluene	12.67	91	96022	19.346	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	115385	19.337	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	14366	18.250	ug/l	98
82) 4-Chlorotoluene	12.77	91	100293	19.839	ug/l	97
83) tert-Butylbenzene	12.99	119	96429	19.495	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	115482	19.563	ug/l	100
85) sec-Butylbenzene	13.17	105	132388	19.903	ug/l	99
86) p-Isopropyltoluene	13.28	119	117782	19.692	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	57830	19.352	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	57547	19.168	ug/l	98
89) n-Butylbenzene	13.61	91	108943	20.174	ug/l	99
90) Hexachloroethane	13.87	117	18225	20.962	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	56642	19.823	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	7962	17.704	ug/l	94

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33753	19.236	ug/l	100
94) Hexachlorobutadiene	15.01	225	17546	20.398	ug/l	97
95) Naphthalene	15.13	128	97176	18.412	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33082	19.141	ug/l	99

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

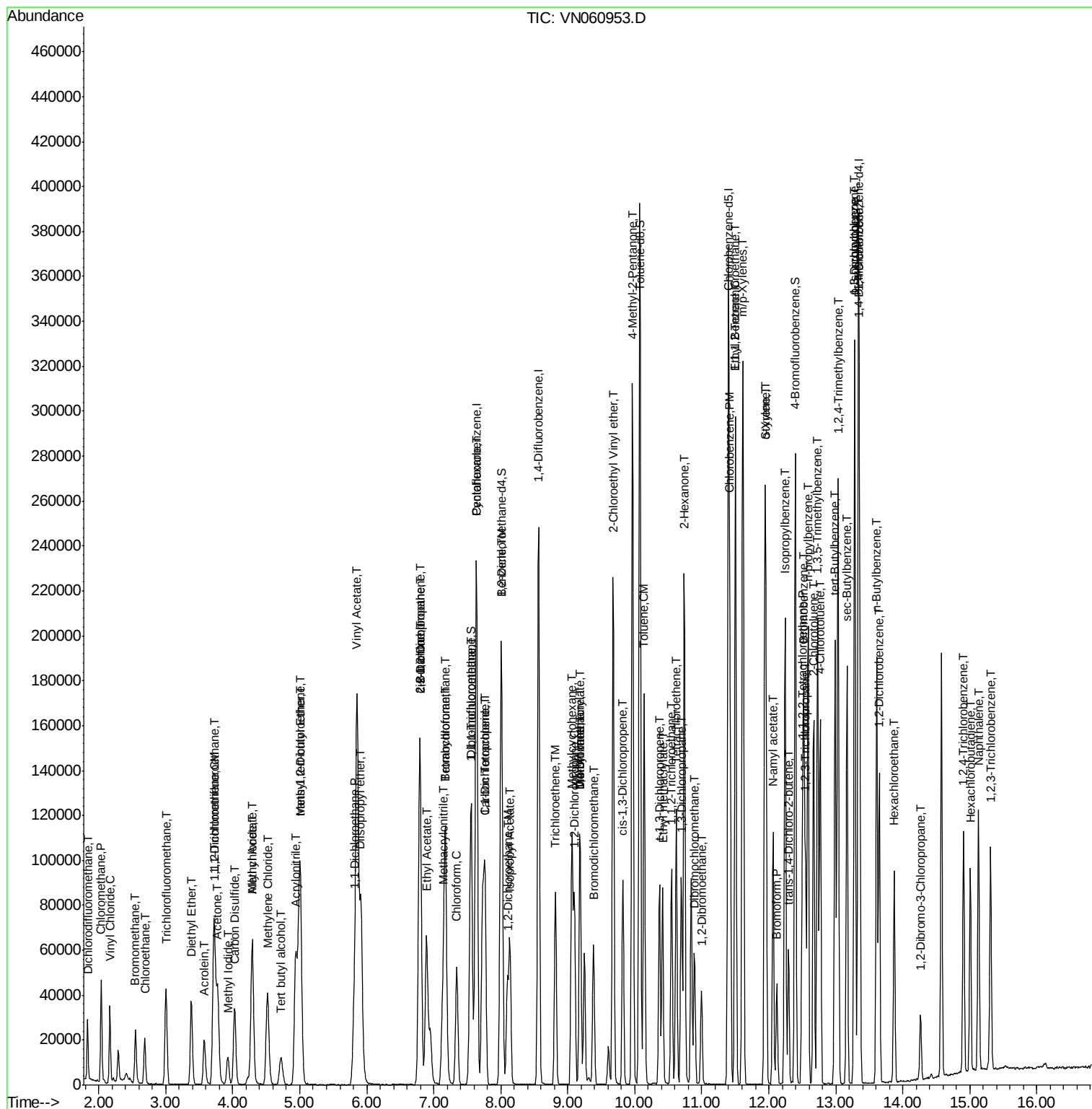
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Data File : VN060953.D
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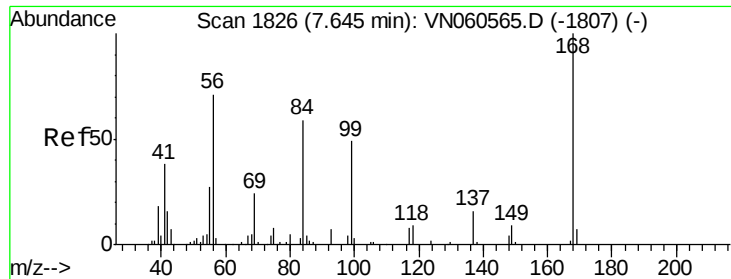
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion:168 Resp: 133074

Ion Ratio Lower Upper

168 100

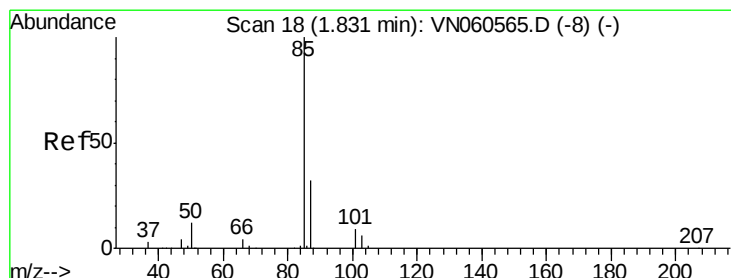
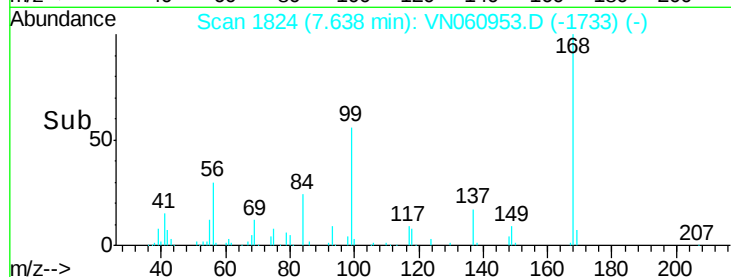
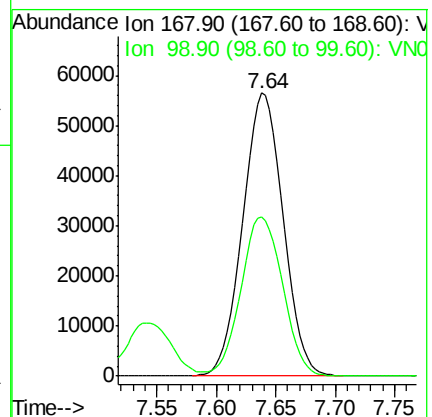
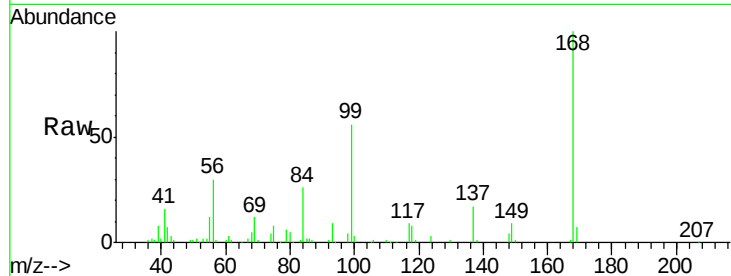
99 56.1 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.780 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060953.D

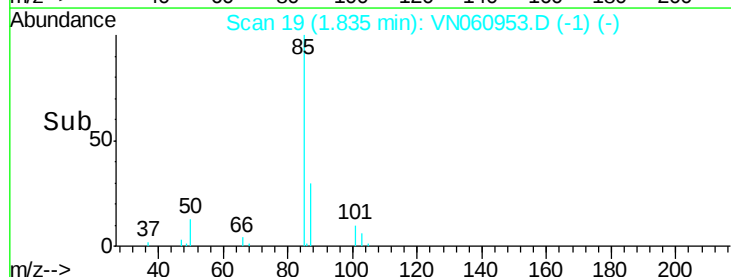
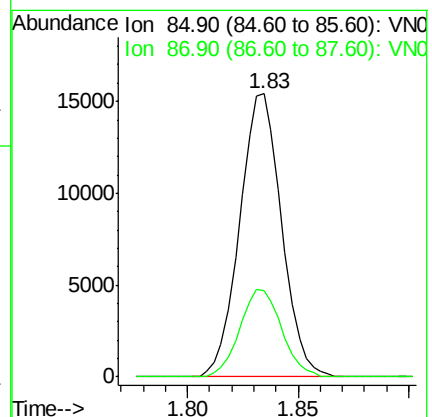
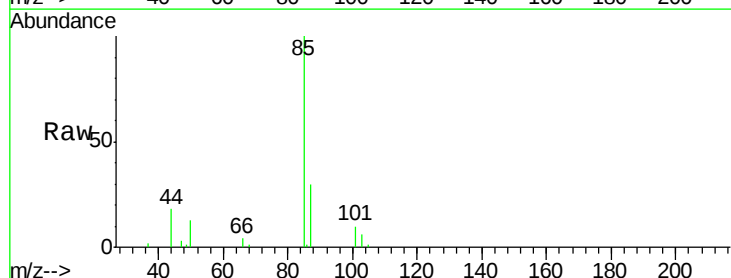
Acq: 15 Apr 2020 12:05

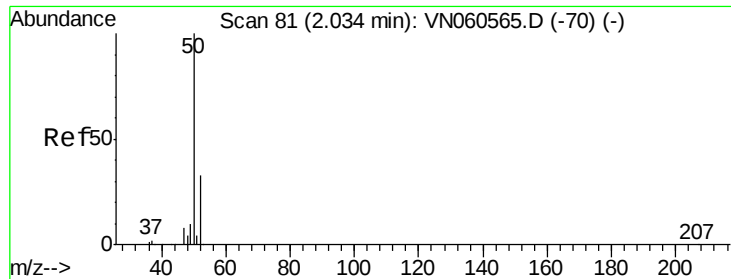
Tgt Ion: 85 Resp: 20319

Ion Ratio Lower Upper

85 100

87 30.4 16.2 48.5





#3

Chloromethane

Concen: 15.565 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 50 Resp: 37431

Ion Ratio Lower Upper

50 100

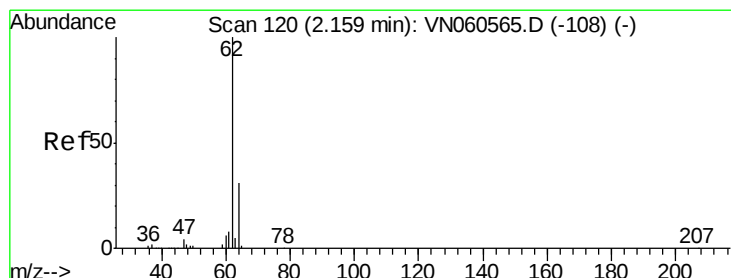
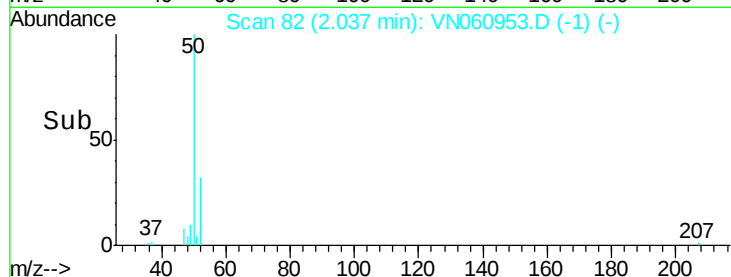
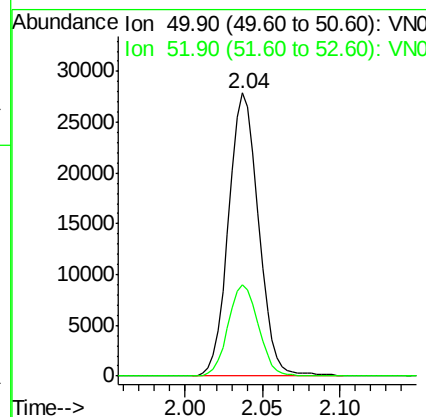
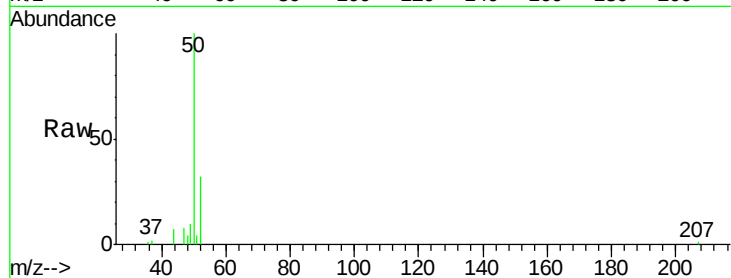
52 32.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 16.098 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060953.D

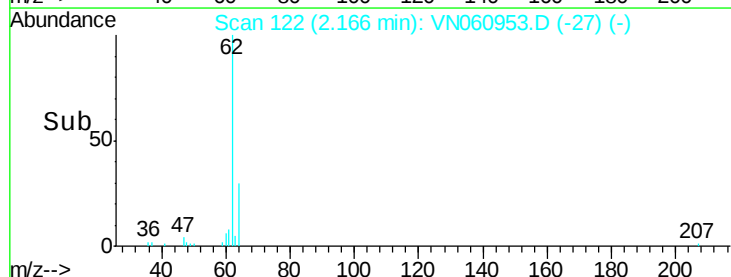
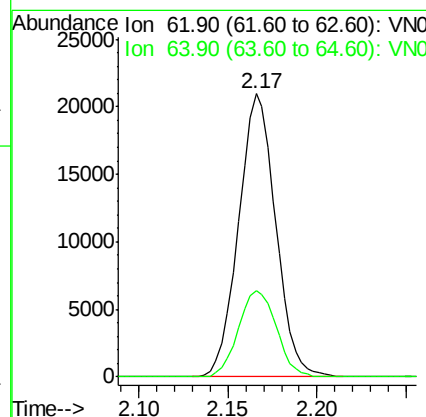
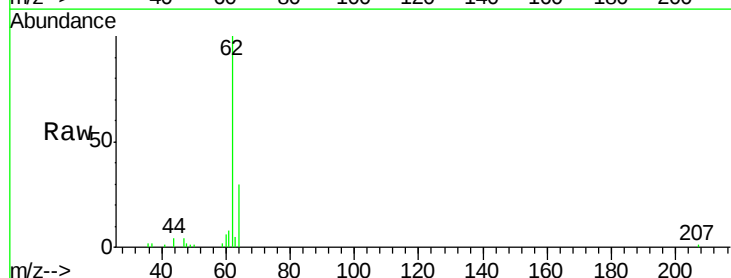
Acq: 15 Apr 2020 12:05

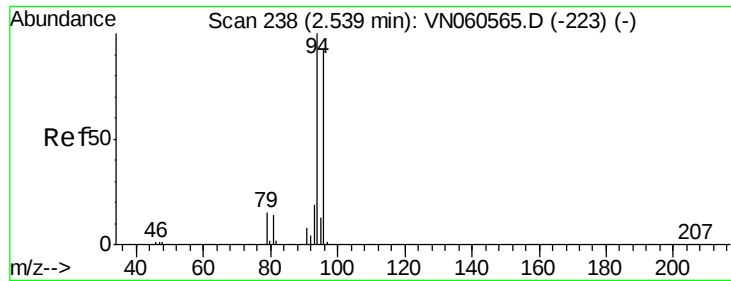
Tgt Ion: 62 Resp: 30280

Ion Ratio Lower Upper

62 100

64 30.3 24.7 37.1





#5

Bromomethane

Concen: 19.912 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

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Tot Ion: 94 Resp: 16168

Ion Ratio Lower Upper

94 100

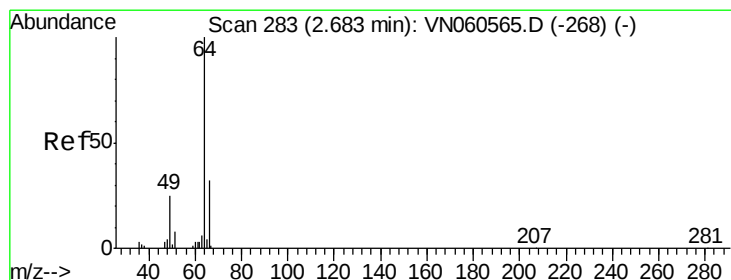
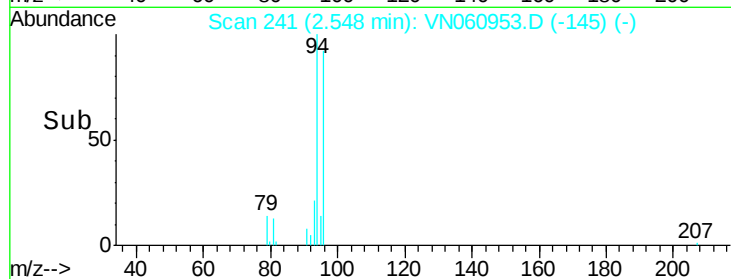
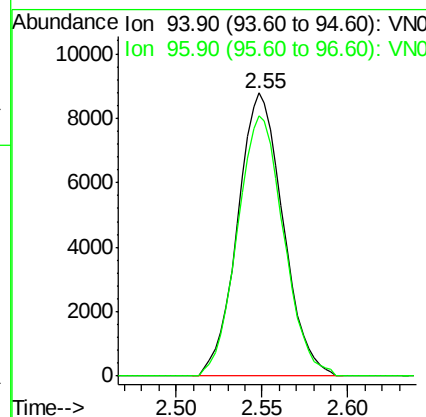
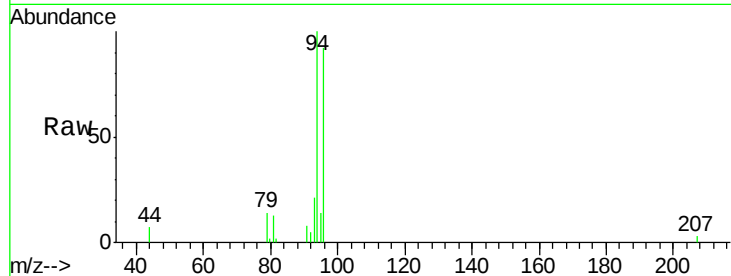
96 92.1 74.6 112.0

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#6

Chloroethane

Concen: 17.943 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060953.D

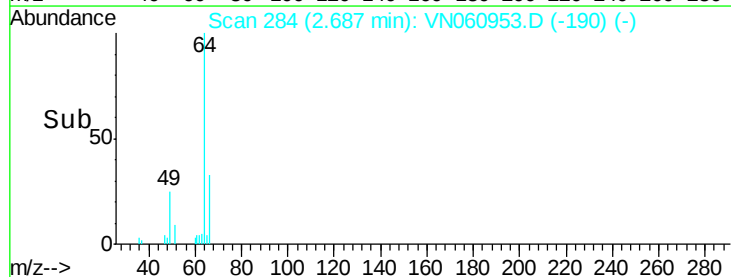
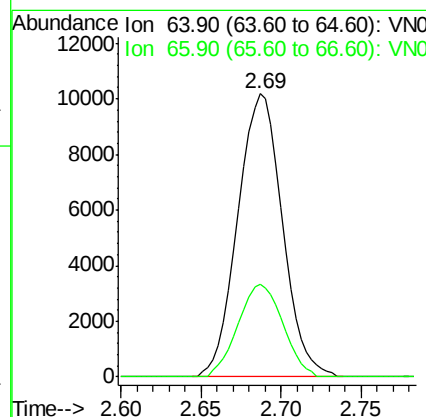
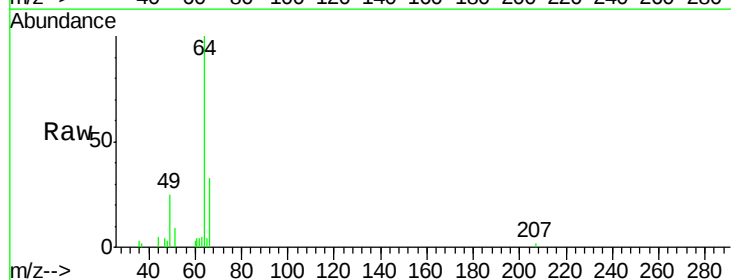
Acq: 15 Apr 2020 12:05

Tgt Ion: 64 Resp: 19442

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9





#7

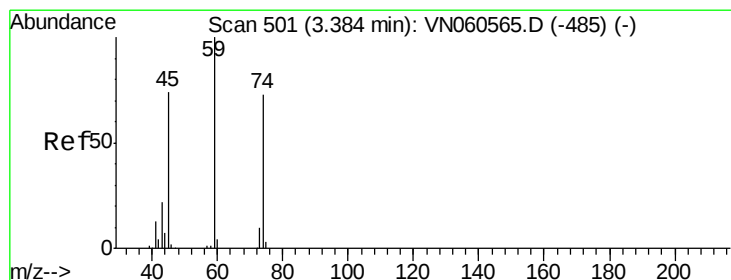
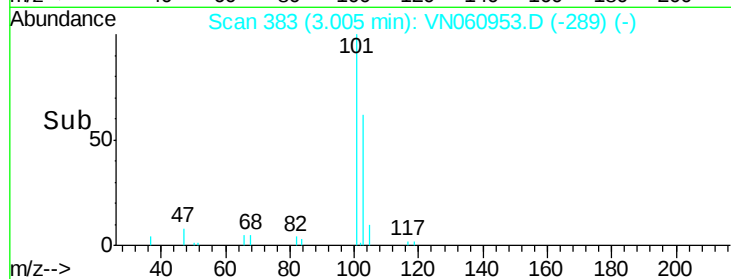
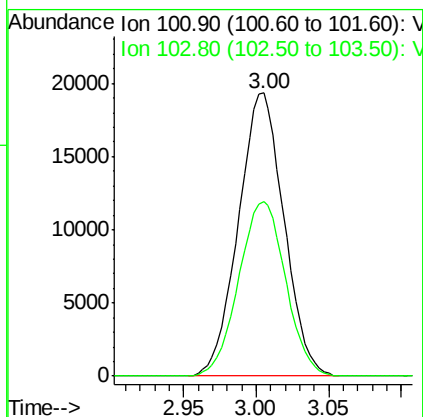
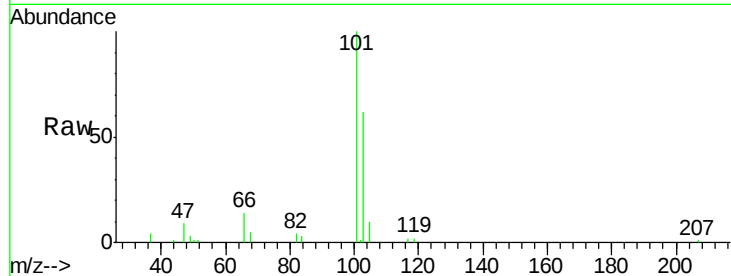
Trichlorofluoromethane
 Concen: 18.252 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		42292		
103	61.7	50.6	76.0		

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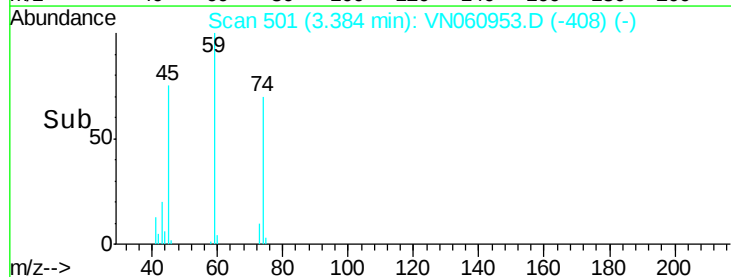
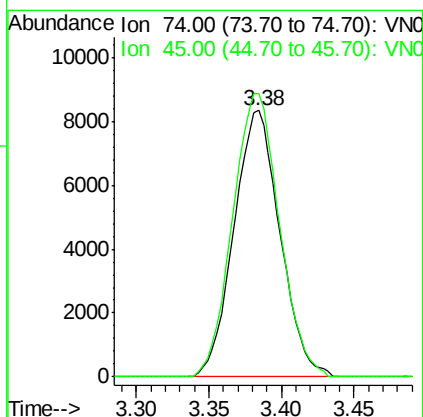
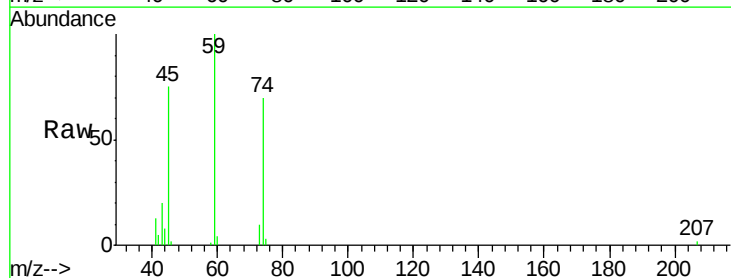
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#8

Diethyl Ether
 Concen: 19.783 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		18414		
45	107.9	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.350 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

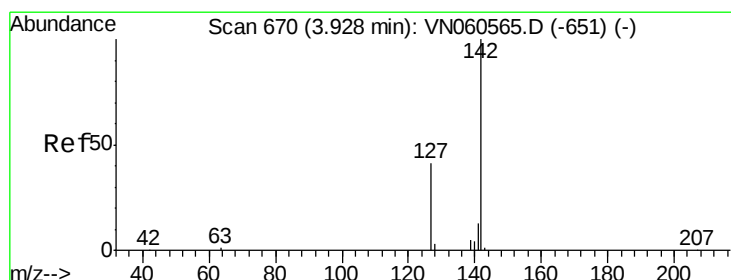
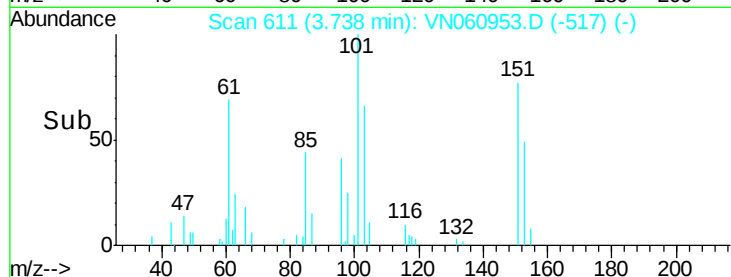
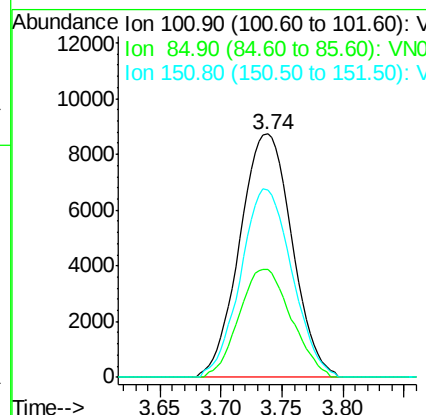
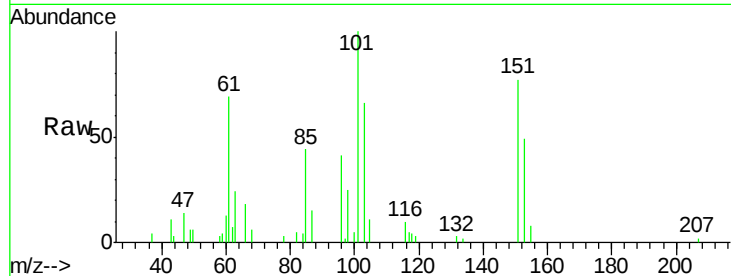
ClientSampleId :

VN0415WBSD01

Tot Ion:	101	Resp:	25979
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	76.0	61.4	92.2

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#10

Methyl Iodide

Concen: 16.280 ug/l

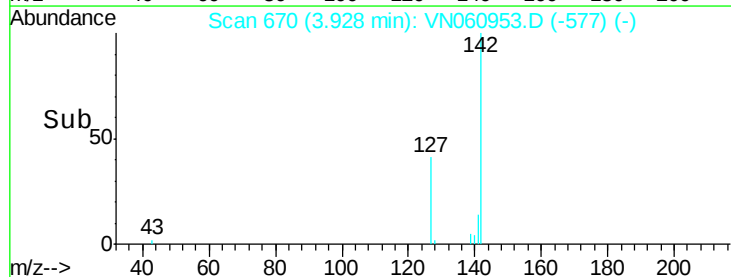
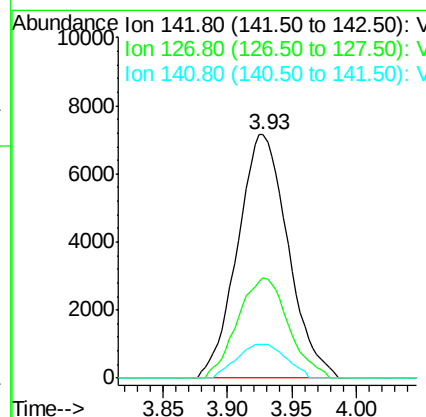
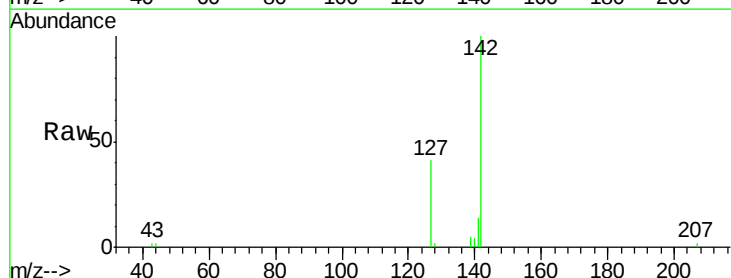
RT: 3.93 min Scan# 670

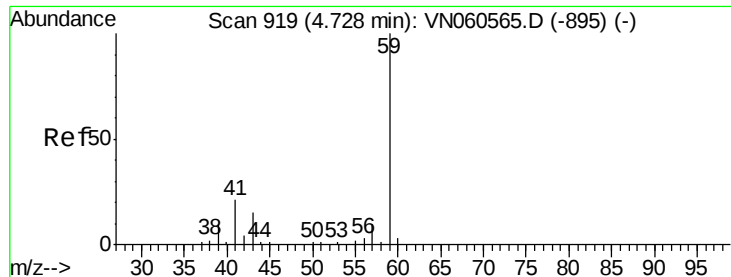
Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion:	142	Resp:	19450
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.5	50.3
141	13.5	11.0	16.6





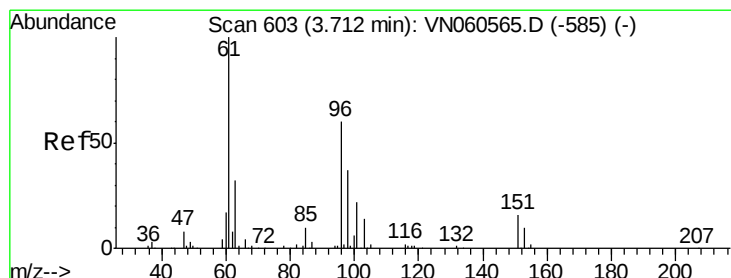
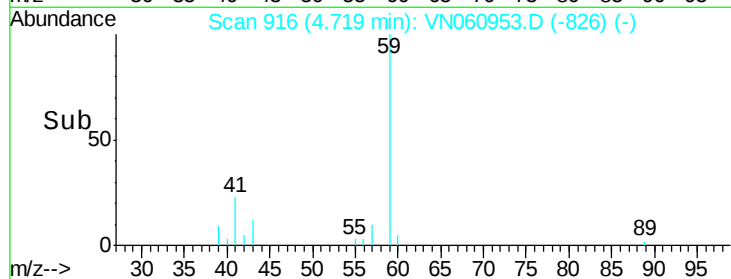
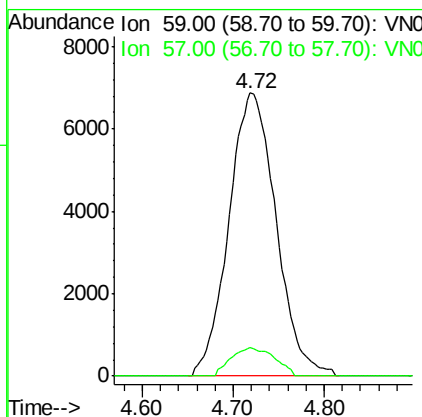
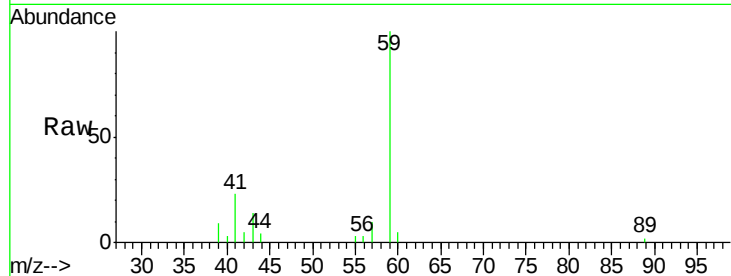
#11
Tert butyl alcohol
Concen: 92.286 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4

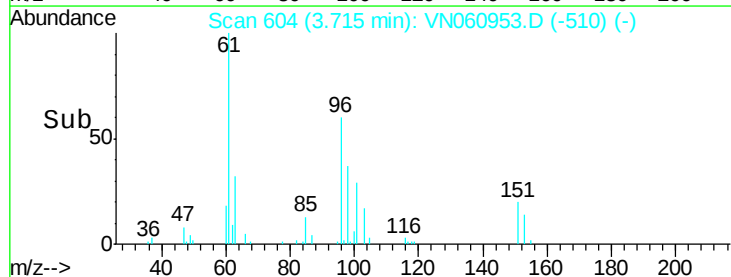
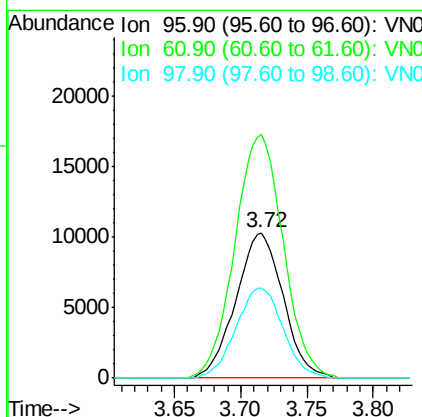
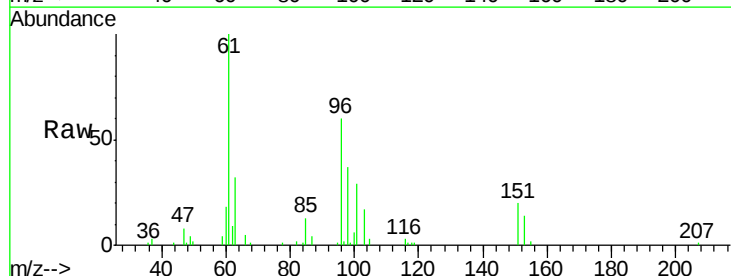
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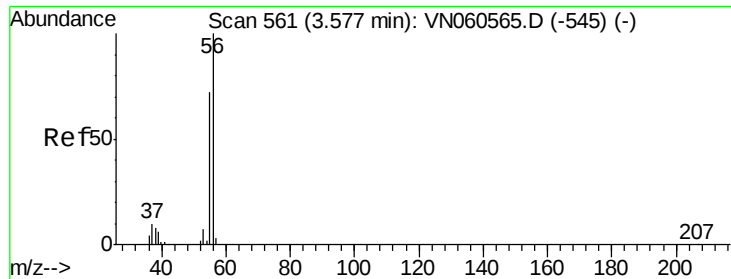
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.667 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	134.1	201.1
98	61.8	49.9	74.9





#13

Acrolein

Concen: 76.384 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 56 Resp: 22744

Ion Ratio Lower Upper

56 100

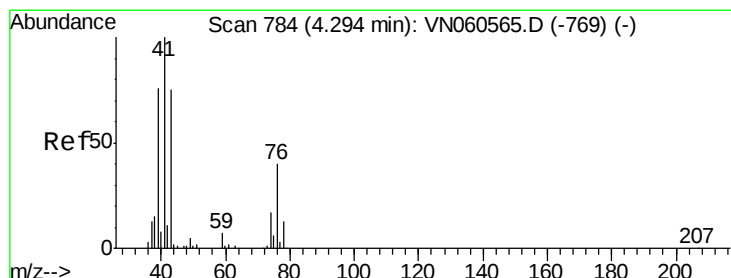
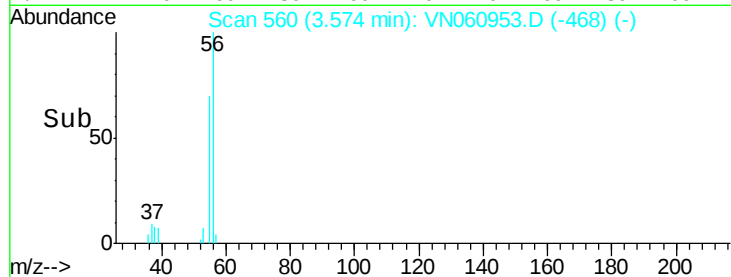
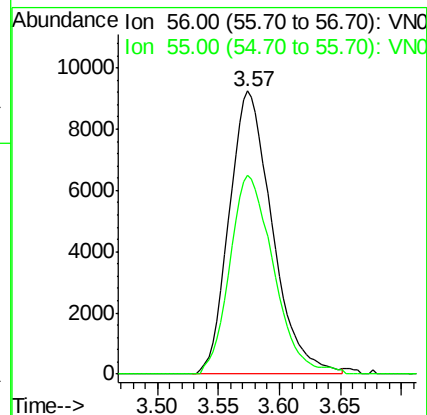
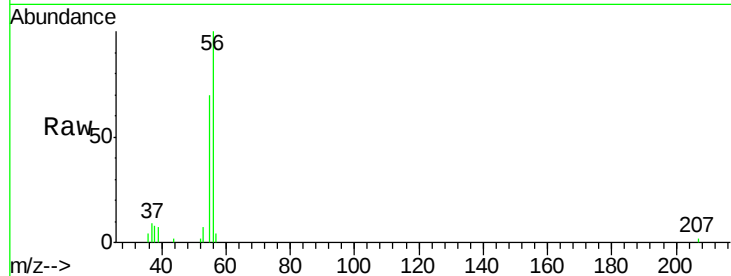
55 71.3 56.7 85.1

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#14

Allyl chloride

Concen: 19.076 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

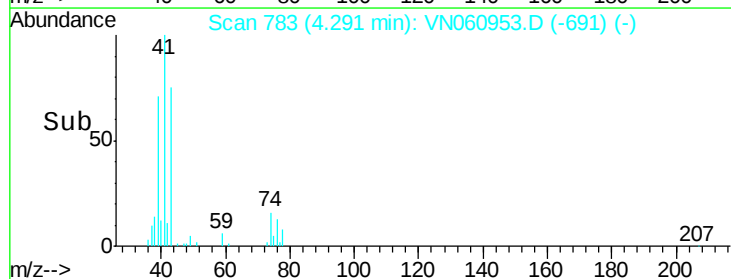
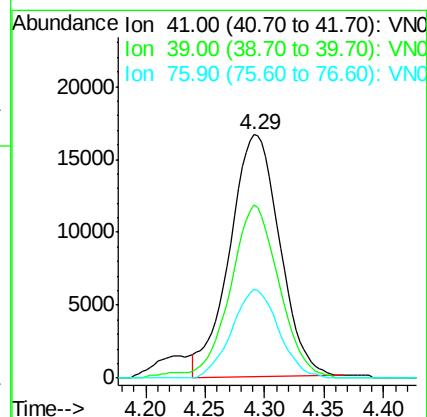
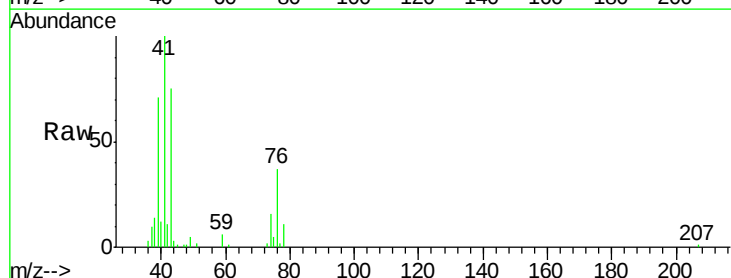
Tgt Ion: 41 Resp: 48338

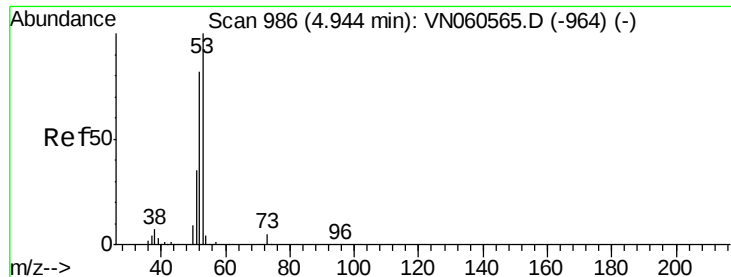
Ion Ratio Lower Upper

41 100

39 69.3 57.8 86.8

76 34.4 28.6 43.0





#15

Acrylonitrile

Concen: 100.616 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

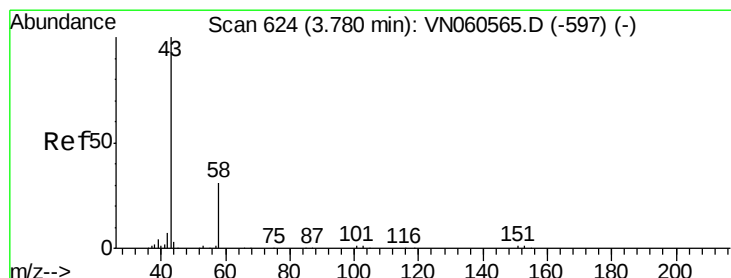
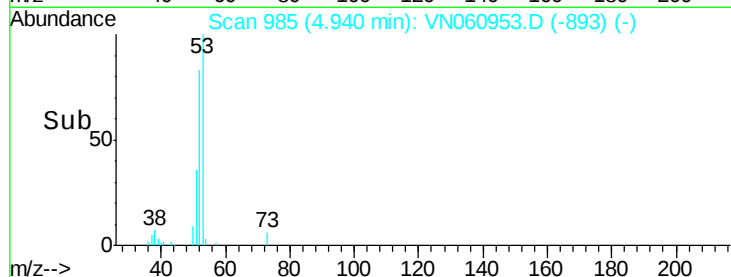
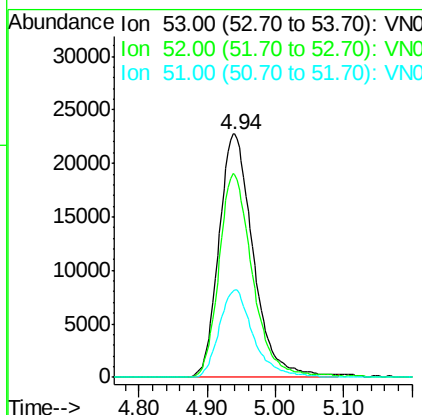
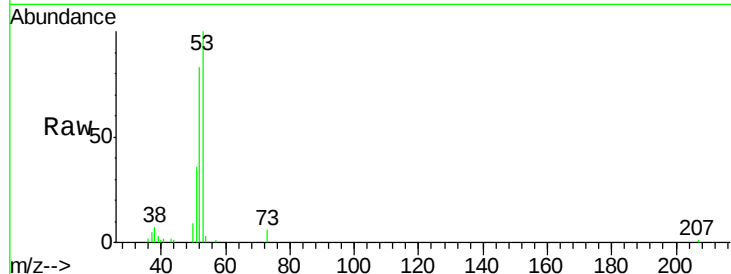
ClientSampleId :

VN0415WBSD01

Tot Ion:	53	Resp:	79490
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.4
51	35.8	28.7	43.1

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#16

Acetone

Concen: 101.636 ug/l

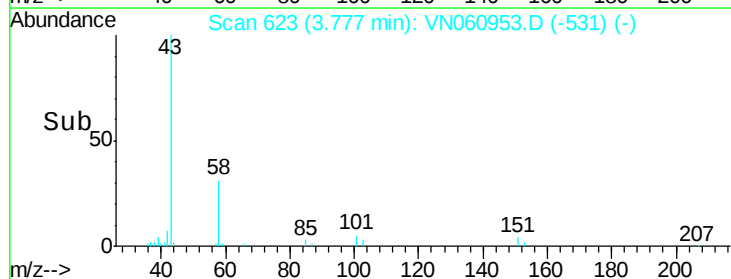
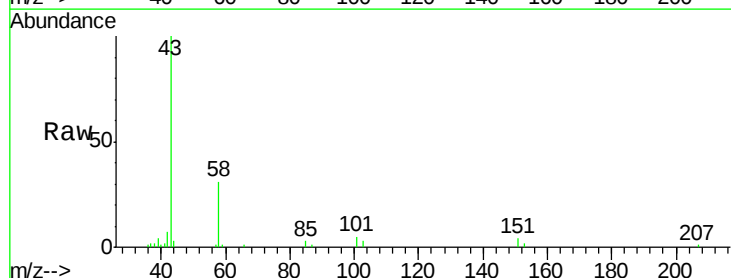
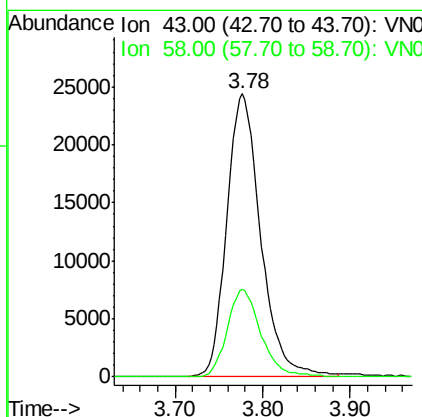
RT: 3.78 min Scan# 623

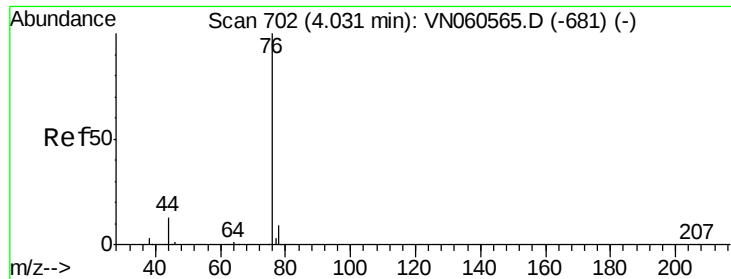
Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion:	43	Resp:	65768
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.1	37.7





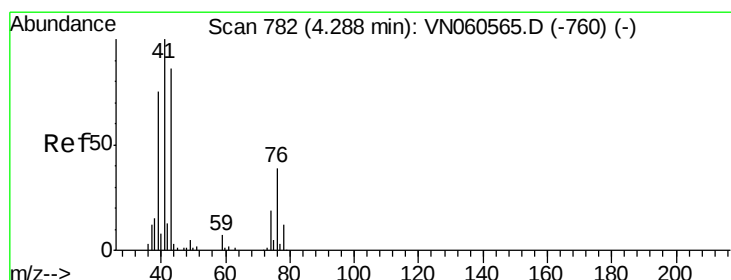
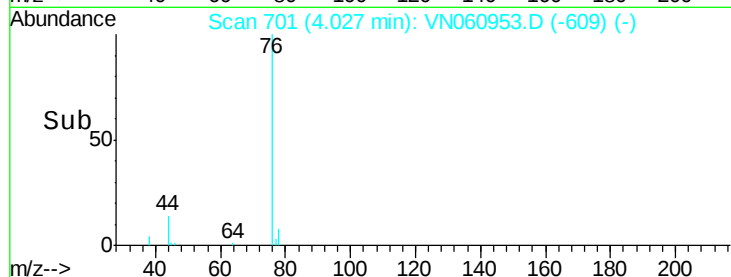
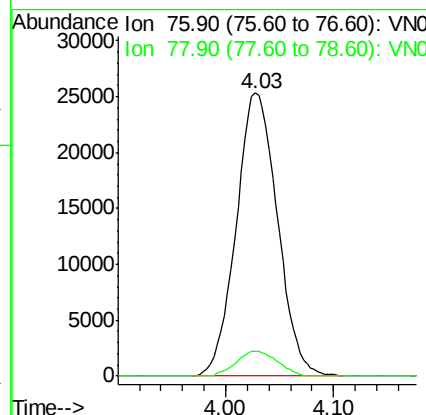
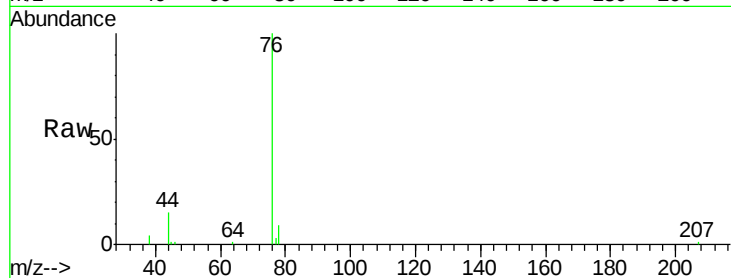
#17
Carbon Disulfide
Concen: 15.391 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion: 76 Resp: 67441
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

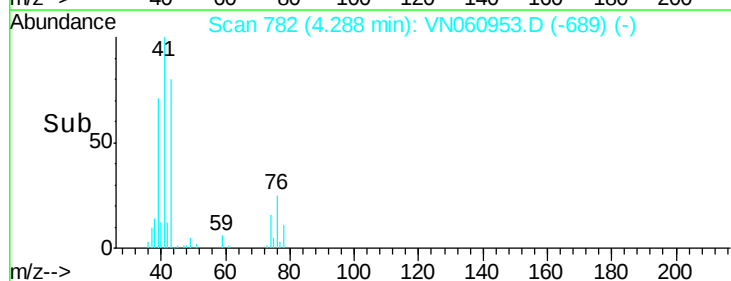
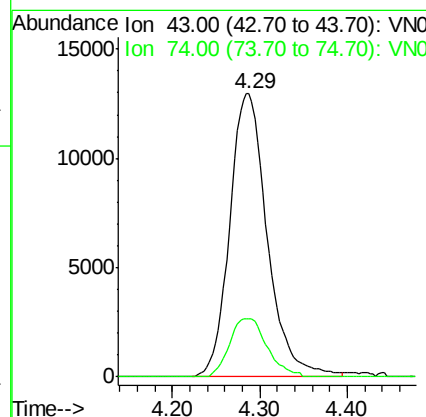
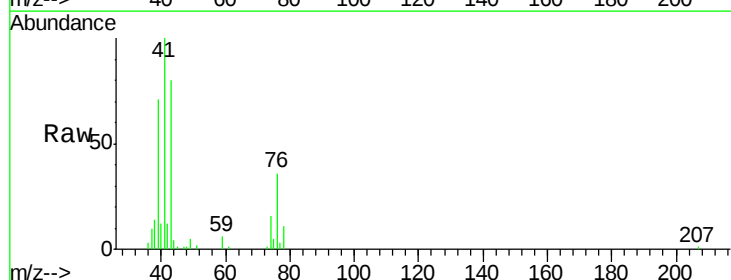
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#18
Methyl Acetate
Concen: 21.212 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion: 43 Resp: 38636
Ion Ratio Lower Upper
43 100
74 20.5 17.5 26.3





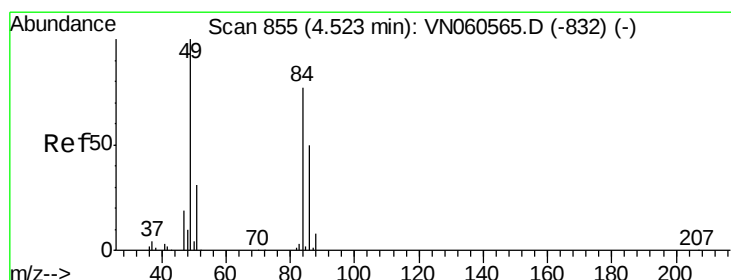
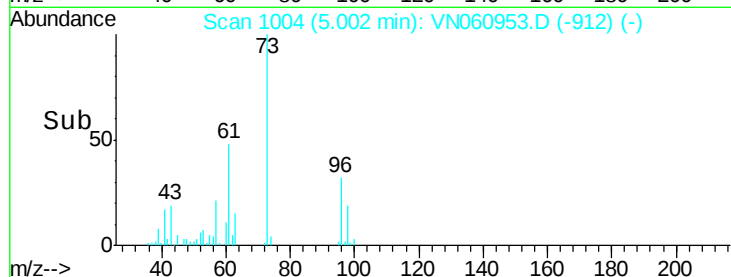
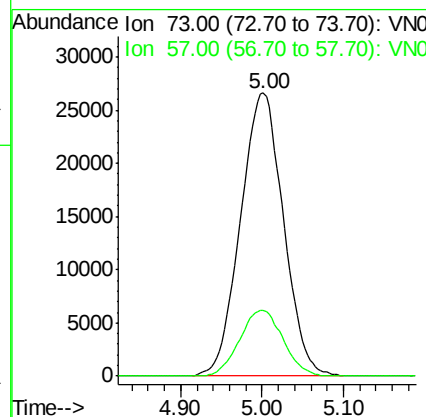
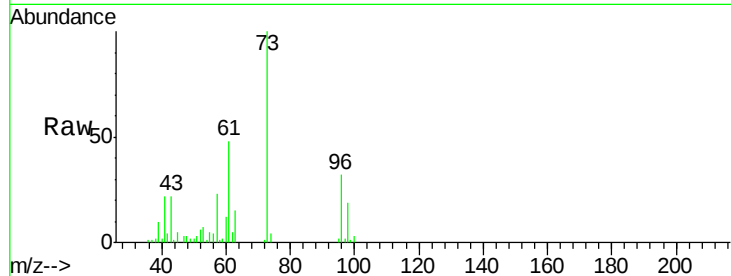
#19
Methvl tert-butvl Ether
Concen: 19.621 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion: 73 Resp: 97193
Ion Ratio Lower Upper
73 100
57 23.2 17.5 26.3

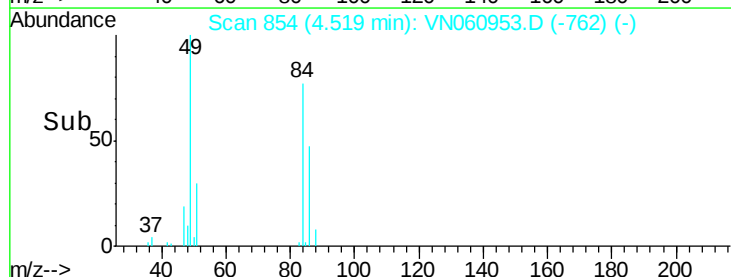
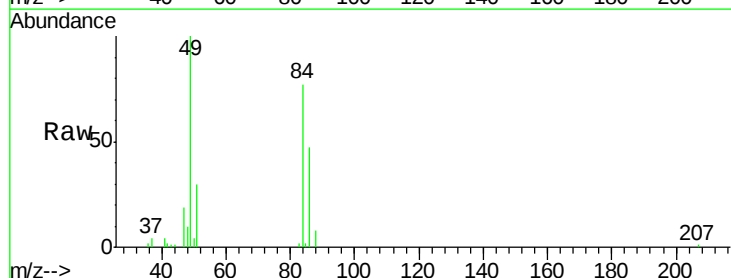
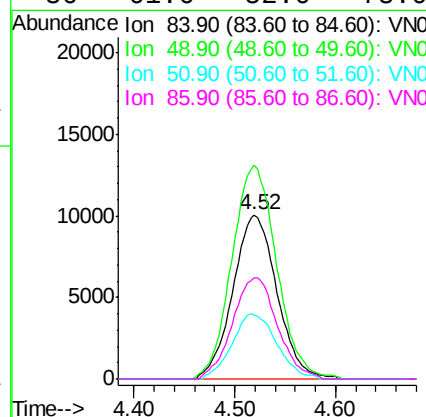
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#20
Methylene Chloride
Concen: 19.152 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion: 84 Resp: 30486
Ion Ratio Lower Upper
84 100
49 130.2 103.3 154.9
51 39.3 31.6 47.4
86 61.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.805 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 96 Resp: 27340

Ion Ratio Lower Upper

96 100

61 152.1 114.4 171.6

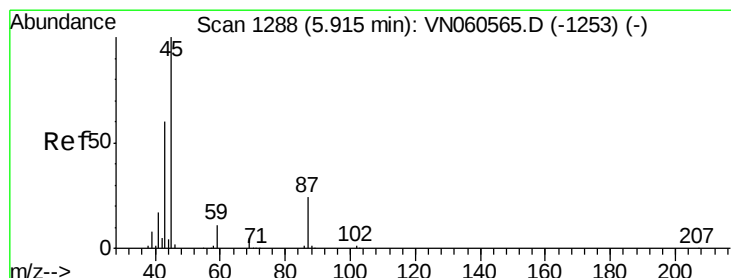
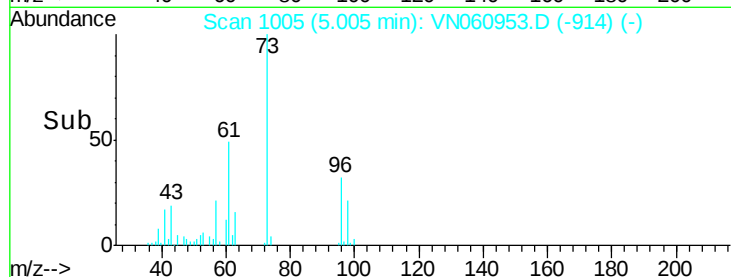
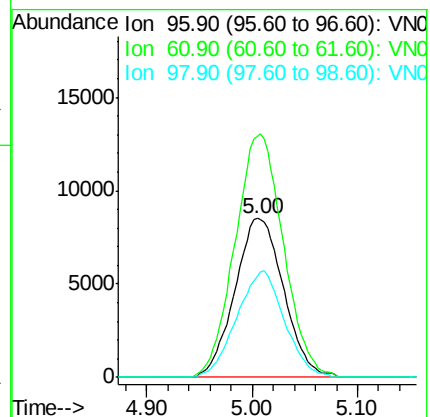
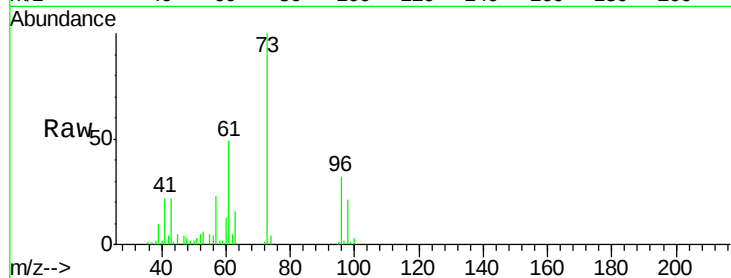
98 63.8 48.4 72.6

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#22

Diisopropyl ether

Concen: 20.951 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion: 45 Resp: 112165

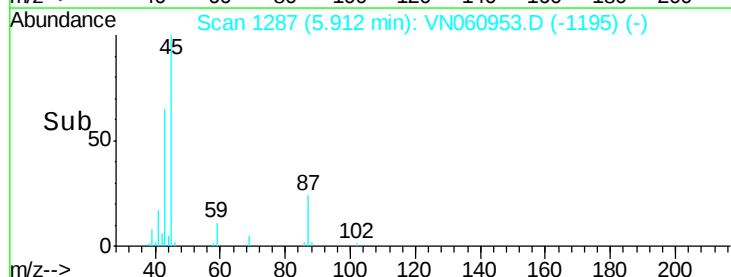
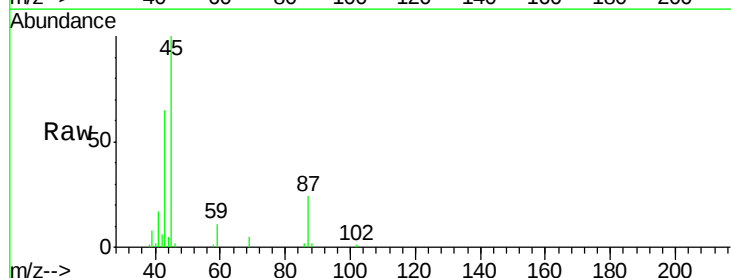
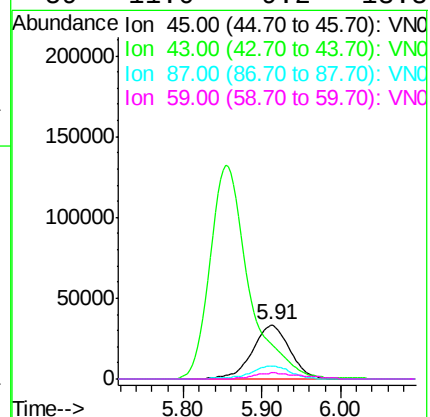
Ion Ratio Lower Upper

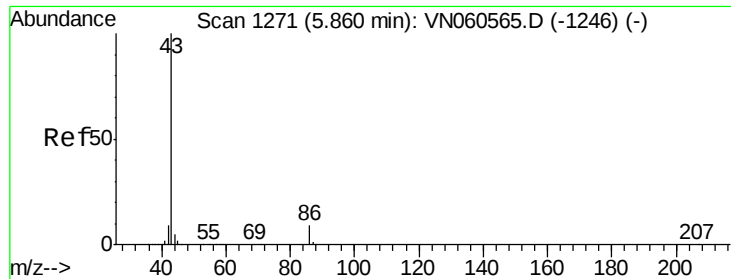
45 100

43 63.1 49.8 74.8

87 24.0 20.1 30.1

59 11.0 9.2 13.8





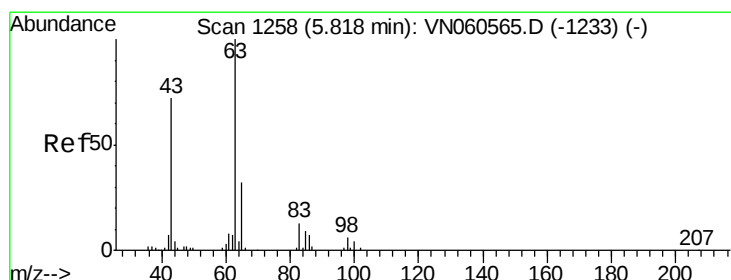
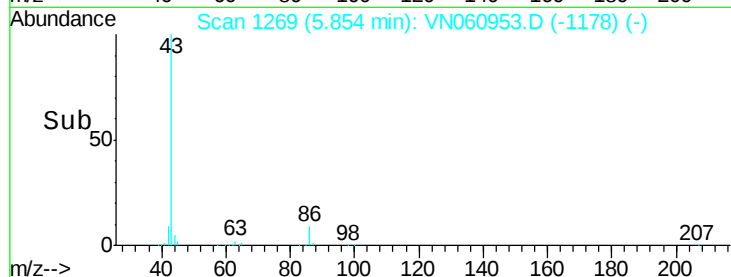
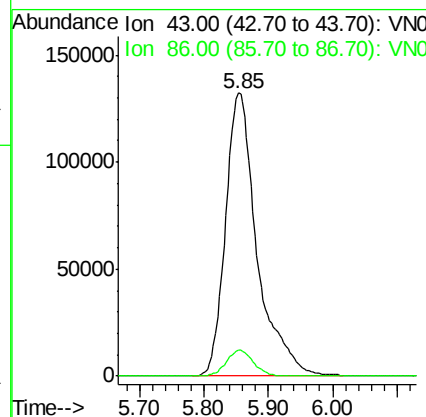
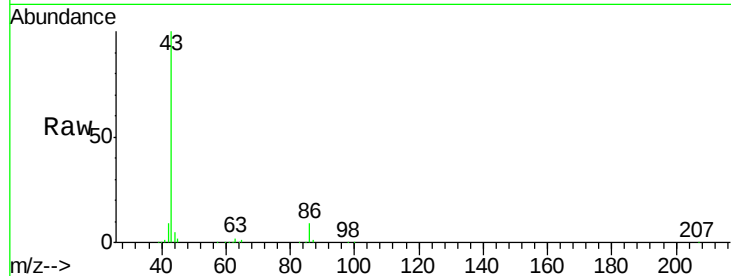
#23
 Vinyl Acetate
 Concen: 103.128 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	43	Resp	450471
Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.6	11.4

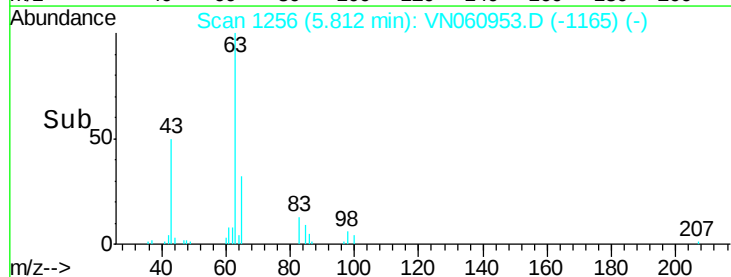
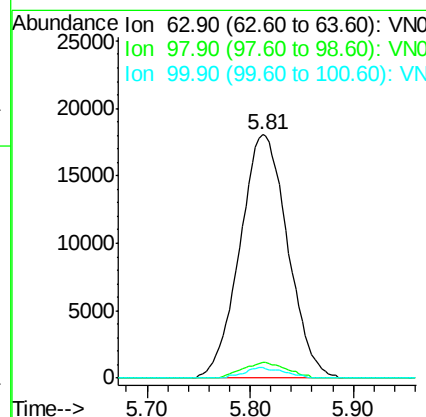
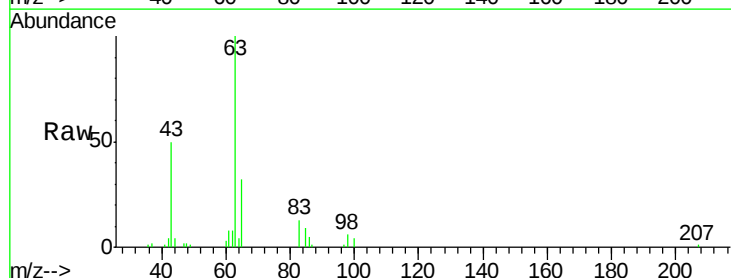
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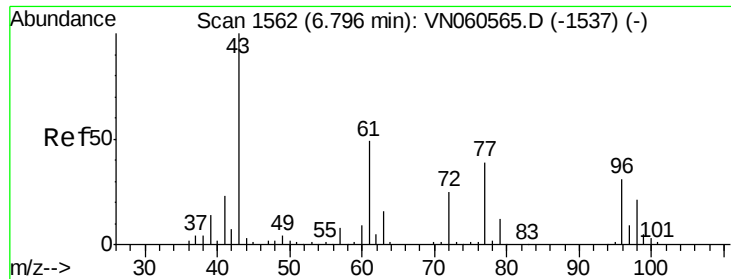
MMDadoda
 4/16/2020 11:15:57 AM



#24
 1,1-Dichloroethane
 Concen: 19.892 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Tgt Ion	63	Resp	58056
Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.9	8.7
100	4.2	1.8	5.5





#25

2-Butanone

Concen: 98.856 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 43 Resp: 103513

Ion Ratio Lower Upper

43 100

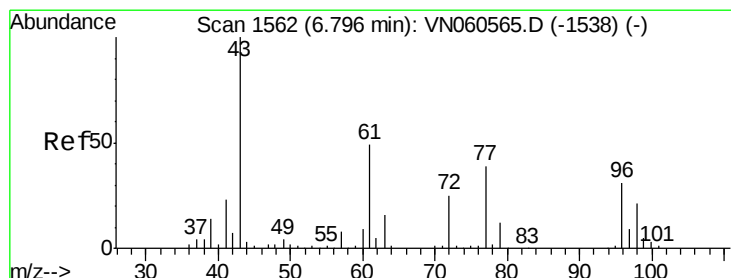
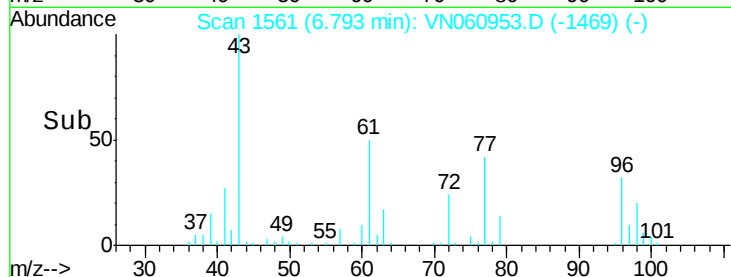
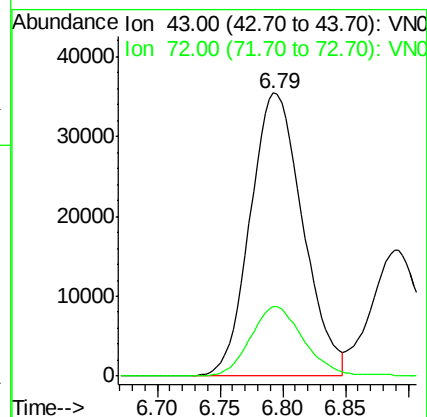
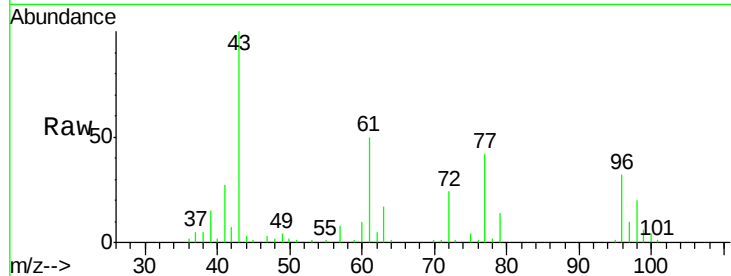
72 24.5 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.181 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060953.D

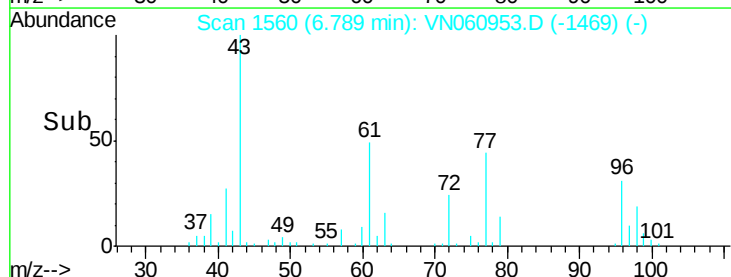
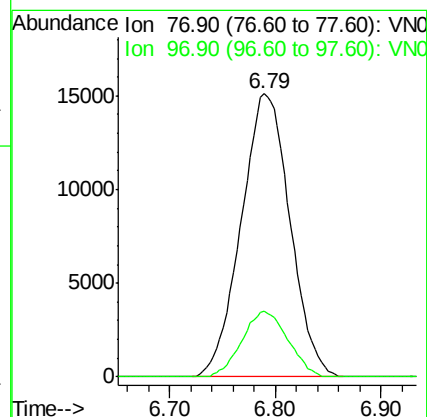
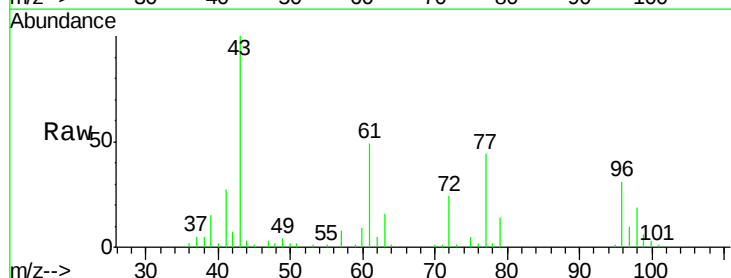
Acq: 15 Apr 2020 12:05

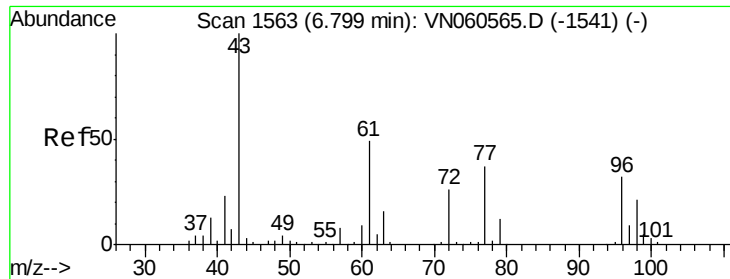
Tgt Ion: 77 Resp: 48637

Ion Ratio Lower Upper

77 100

97 21.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.225 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

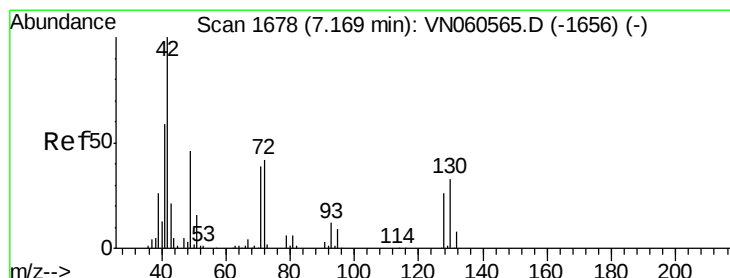
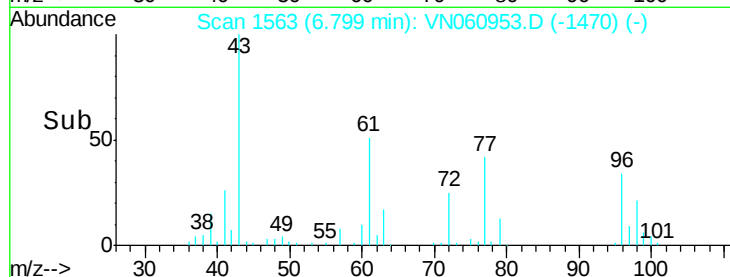
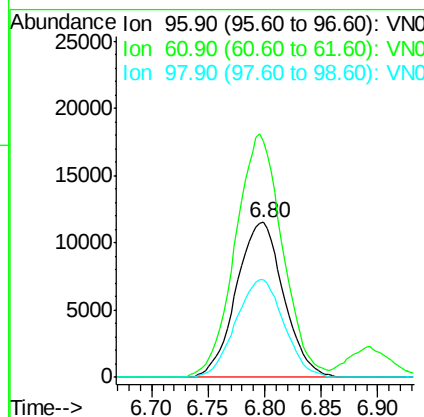
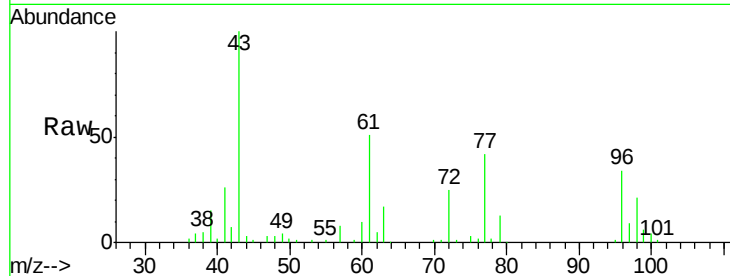
ClientSampleId :

VN0415WBSD01

Tot Ion:	96	Resp:	33547
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	305.6
98	63.9	0.0	127.6

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#28

Bromochloromethane

Concen: 20.598 ug/l

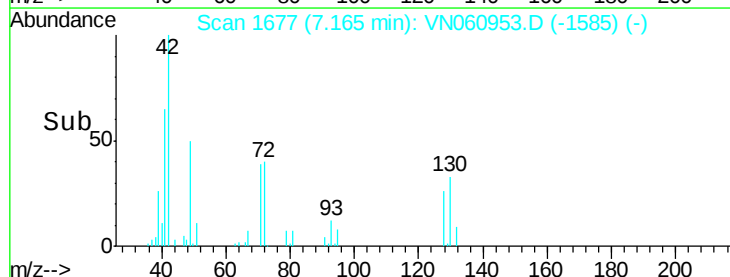
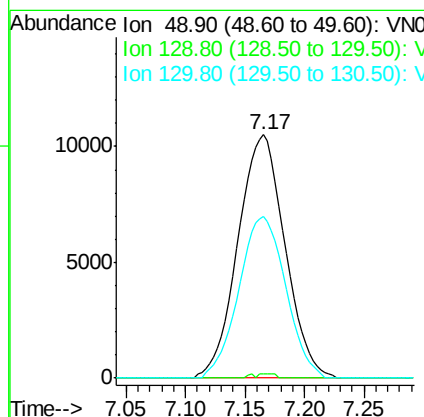
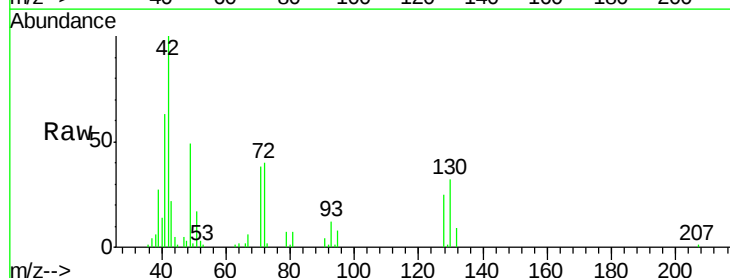
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion:	49	Resp:	28762
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.4
130	66.2	55.0	82.4





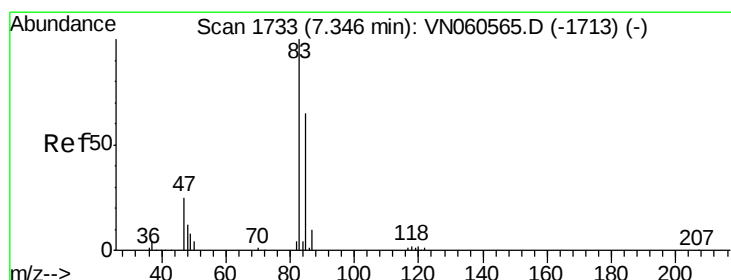
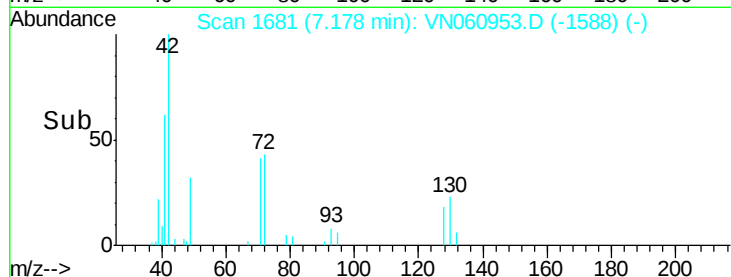
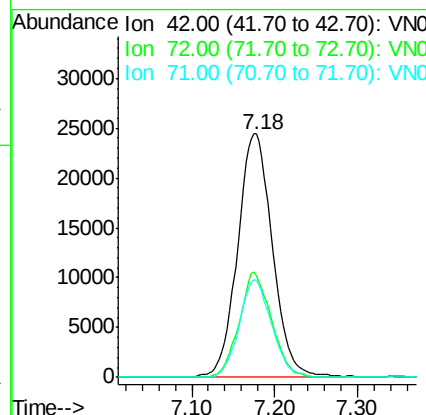
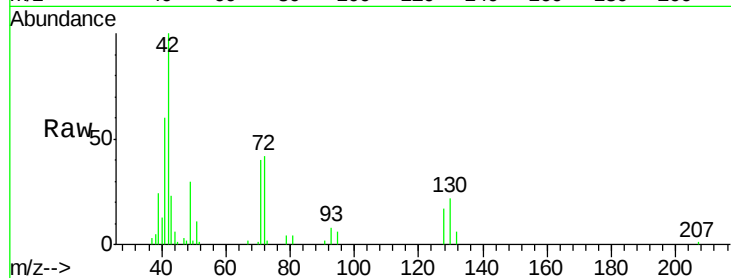
#29
Tetrahydrofuran
Concen: 96.488 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	33.2	49.8
71	37.5	31.1	46.7

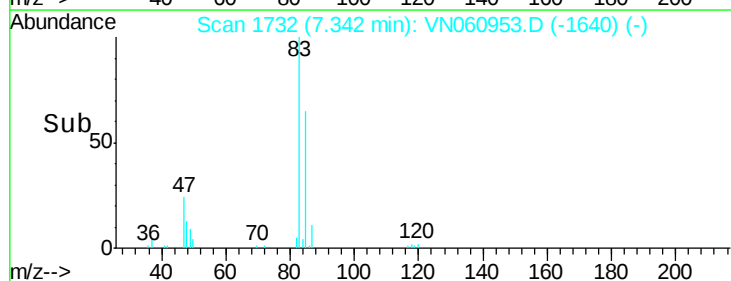
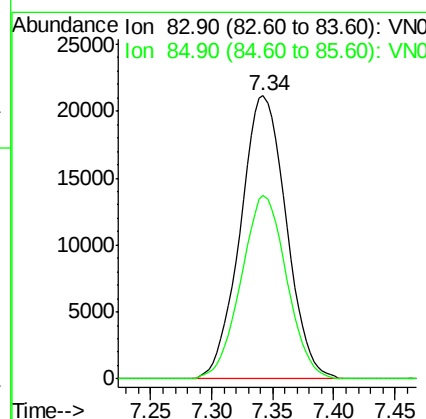
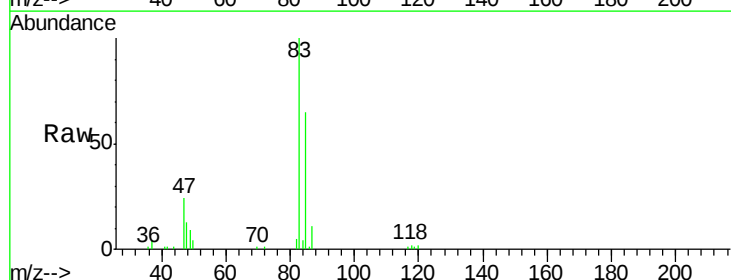
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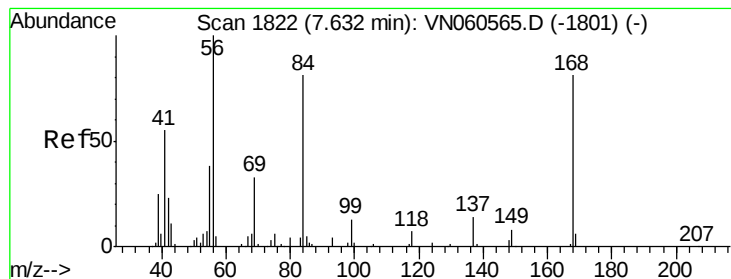
MMDadoda
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#30
Chloroform
Concen: 19.708 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8





#31

Cyclohexane

Concen: 17.829 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

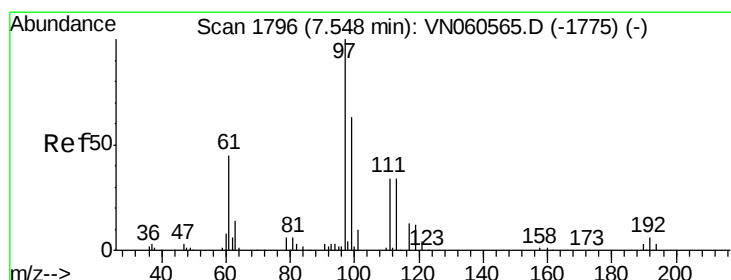
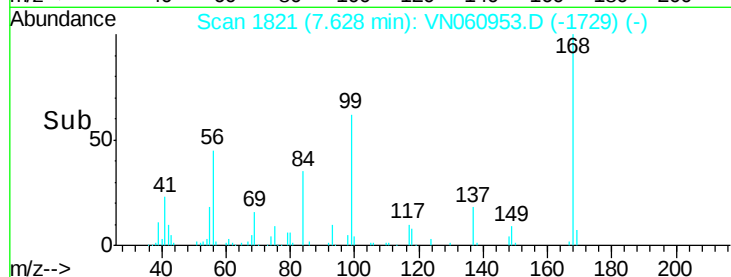
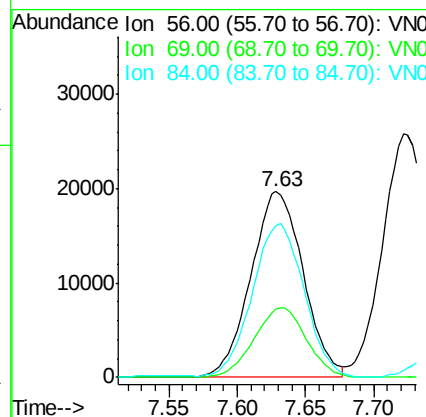
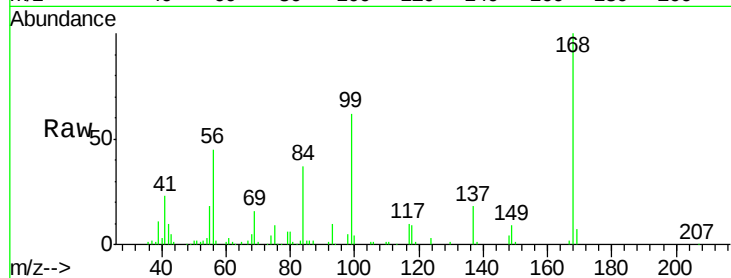
ClientSampleId :

VN0415WBSD01

Tot Ion:	56	Resp:	52459
Ion Ratio	Lower	Upper	
56	100		
69	36.9	26.6	40.0
84	80.9	64.3	96.5

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#32

1,1,1-Trichloroethane

Concen: 19.279 ug/l

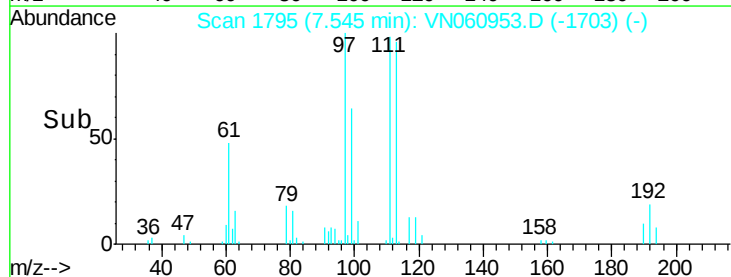
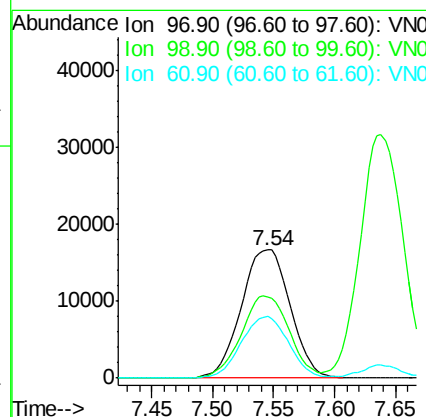
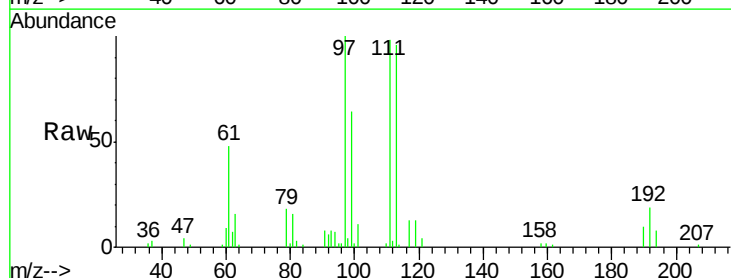
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion:	97	Resp:	46499
Ion Ratio	Lower	Upper	
97	100		
99	63.1	50.6	75.8
61	46.6	36.2	54.4





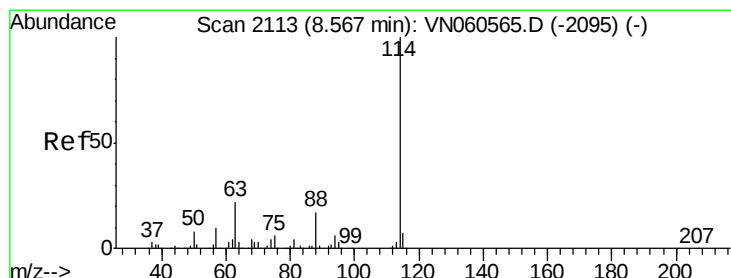
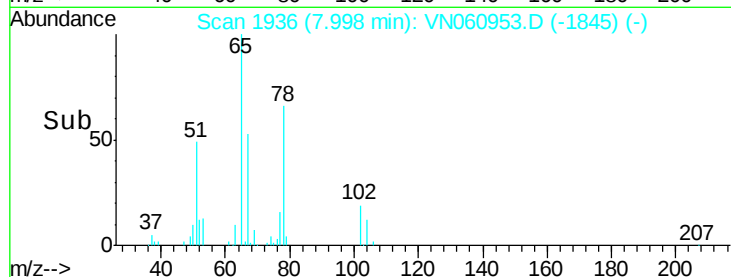
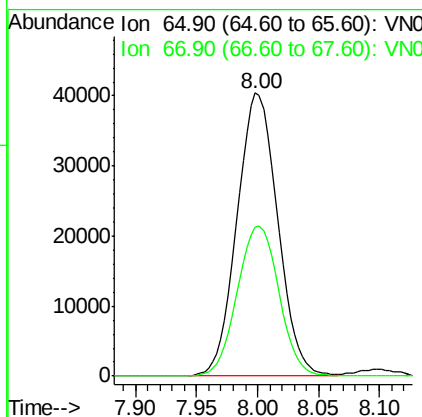
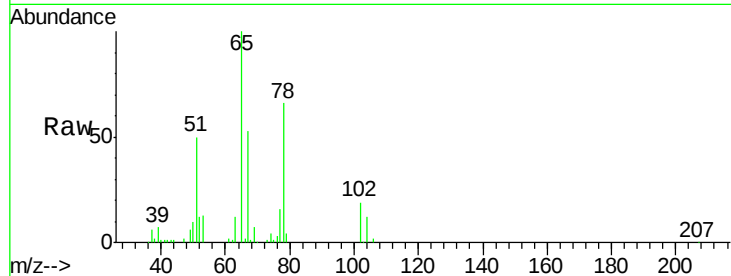
#33
 1,2-Dichloroethane-d4
 Concen: 51.186 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	107.6	

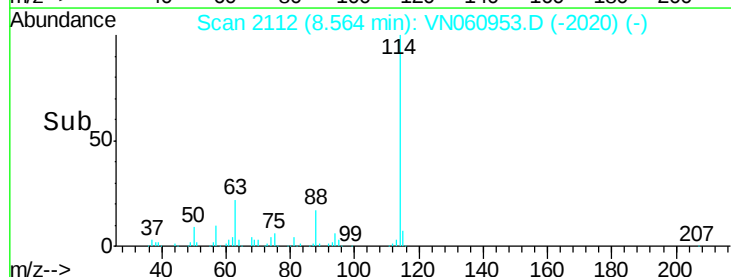
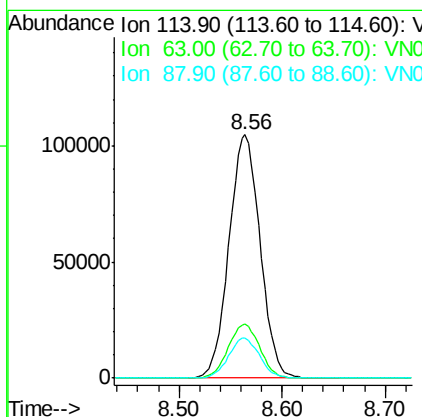
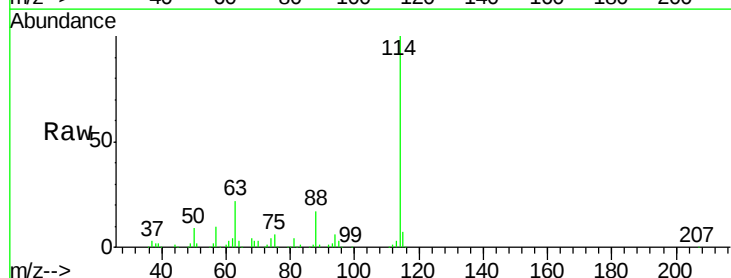
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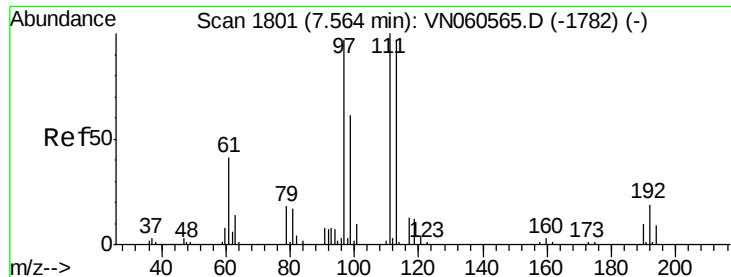
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	43.8	
88	16.5	0.0	33.0	





#35

Dibromofluoromethane

Concen: 51.963 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

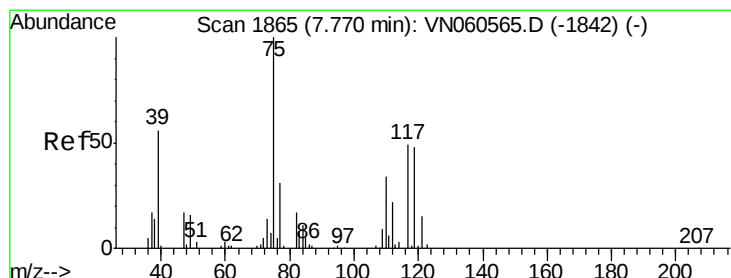
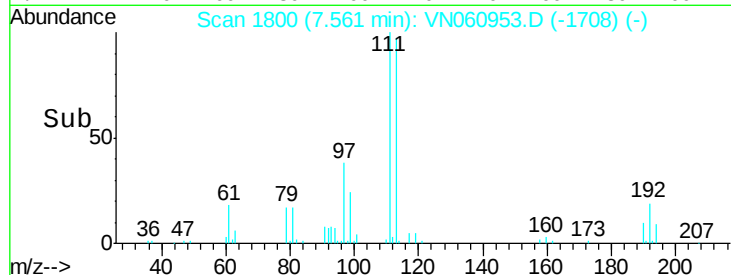
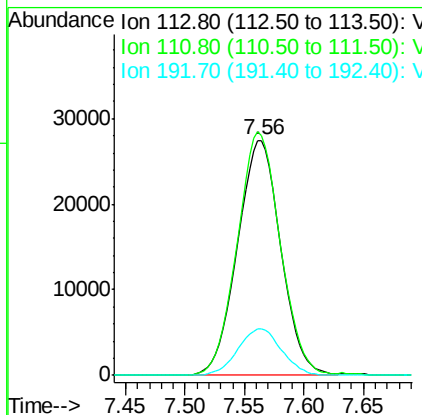
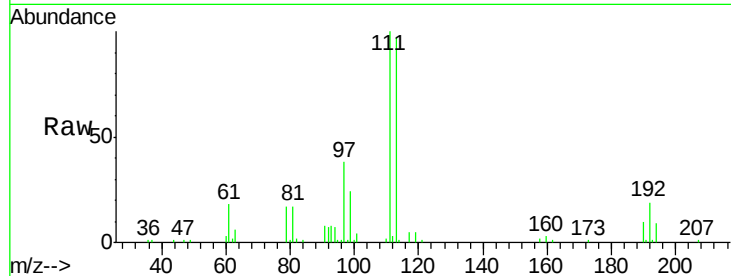
ClientSampleId :

VN0415WBSD01

Tot Ion:	113	Resp:	69211
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	20.0	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 19.074 ug/l

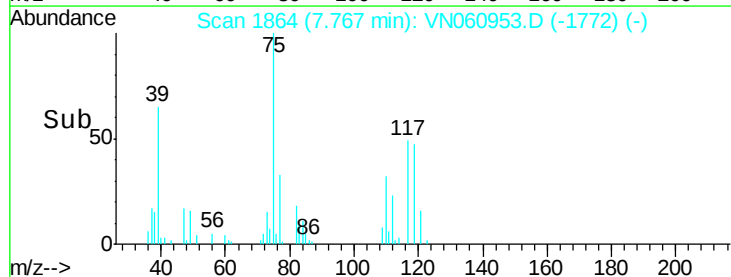
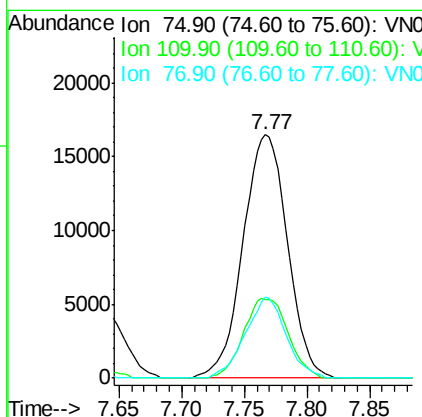
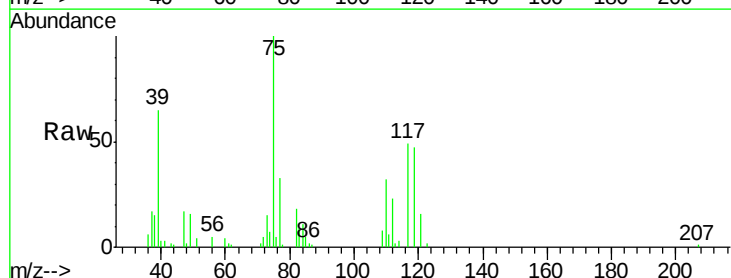
RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion:	75	Resp:	40683
Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.9	50.6
77	30.6	24.6	36.8





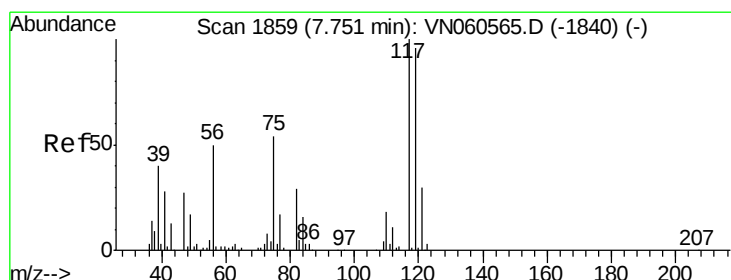
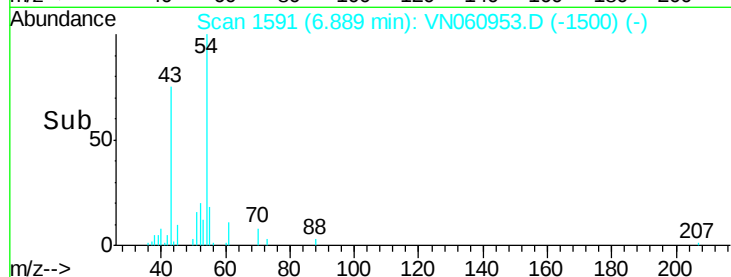
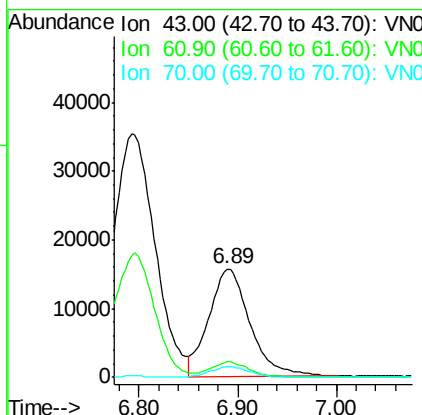
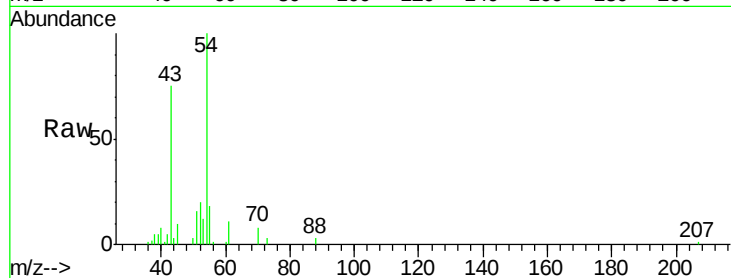
#37
Ethyl Acetate
Concen: 19.701 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	15.8
70	9.3	7.9	11.9

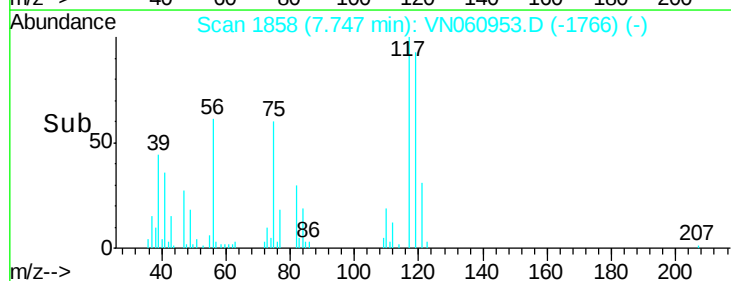
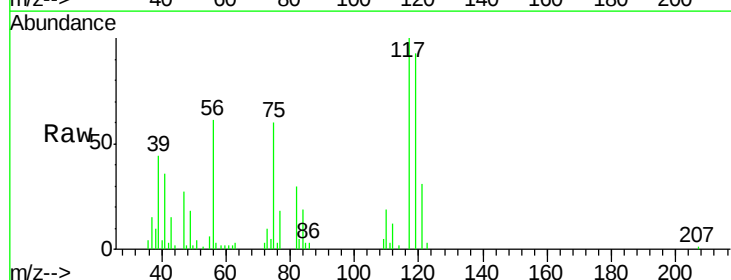
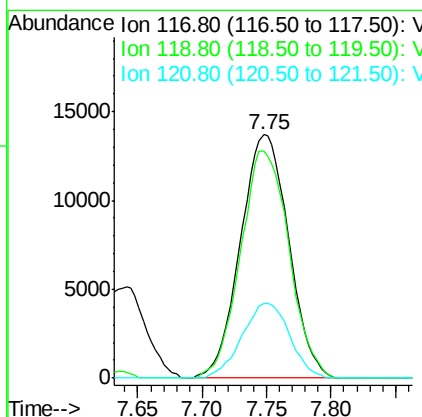
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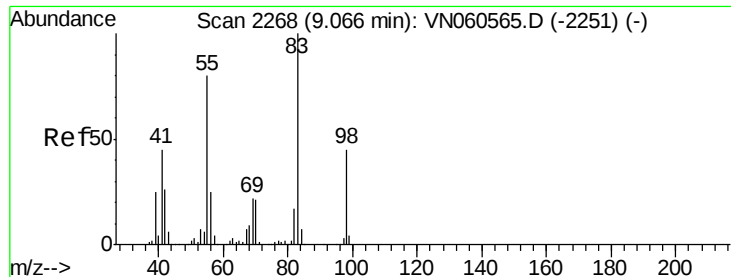
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#38
Carbon Tetrachloride
Concen: 18.661 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.2	114.2
121	30.9	23.7	35.5





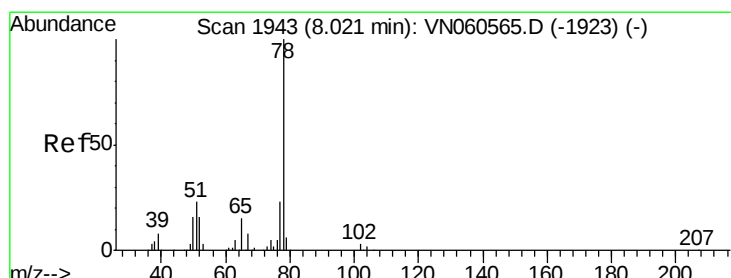
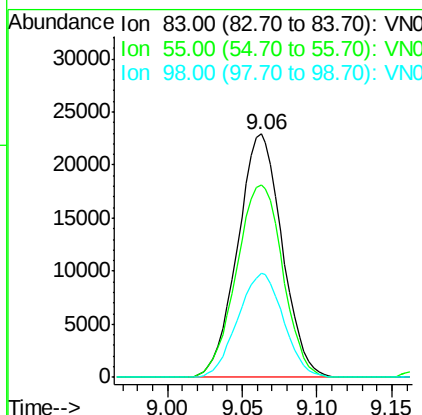
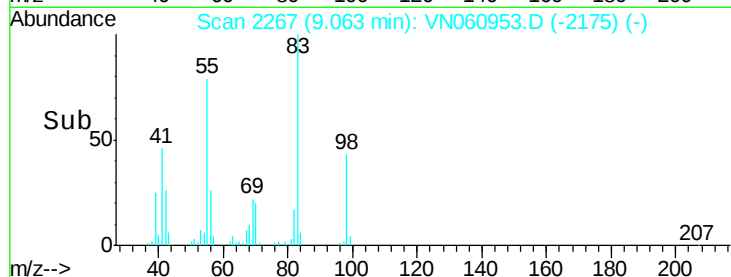
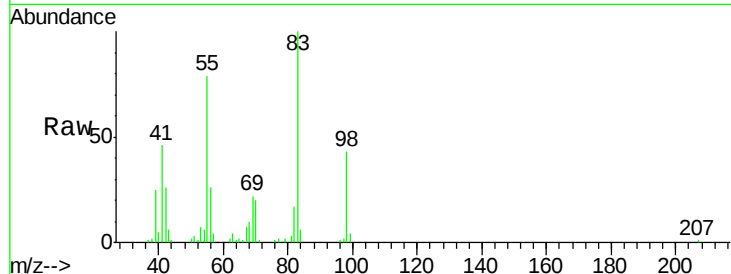
#39
Methvlcvclohexane
Concen: 18.728 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	83	Resp	47471
Ion Ratio	100	Lower	Upper
83	100		
55	79.2	63.6	95.4
98	42.8	36.0	54.0

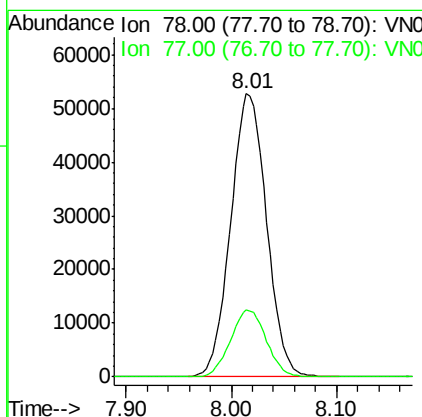
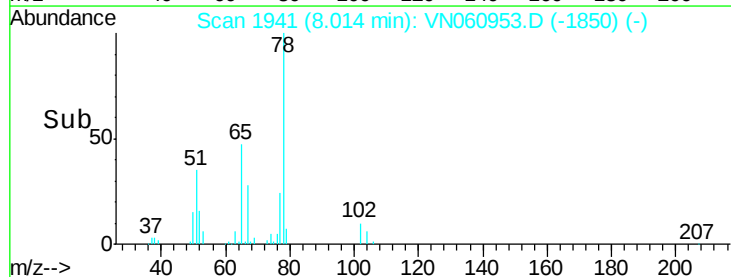
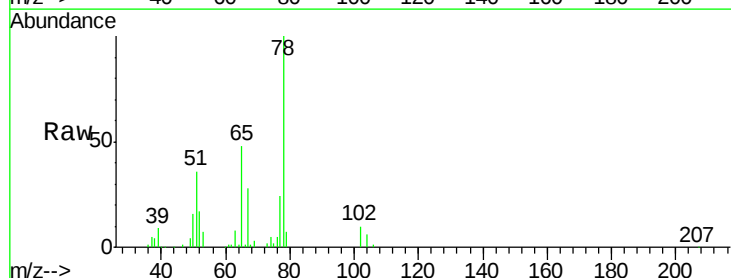
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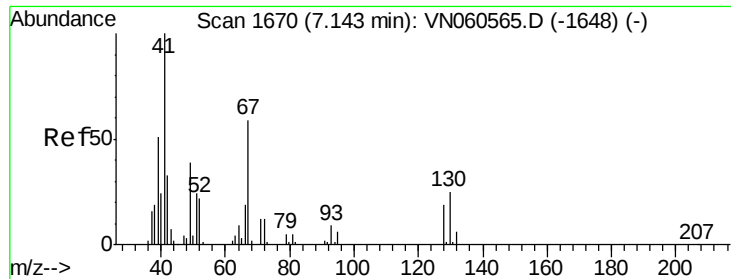
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#40
Benzene
Concen: 19.297 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	78	Resp	124254
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.6	28.0





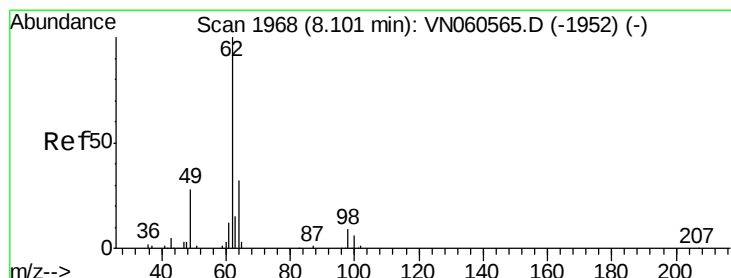
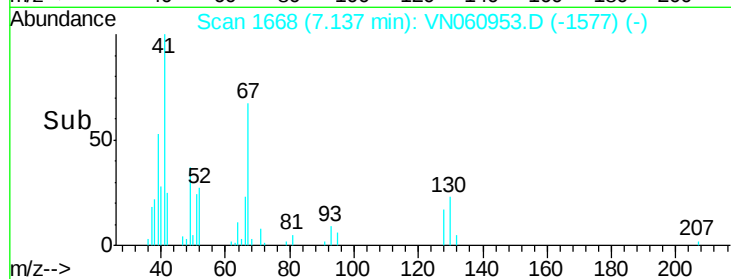
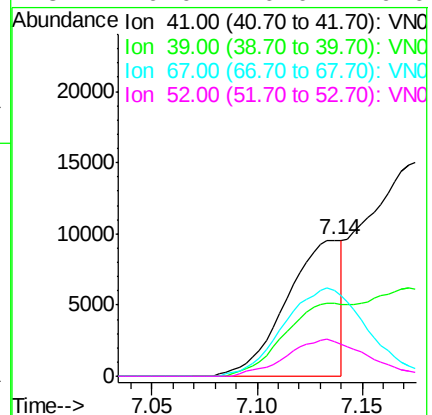
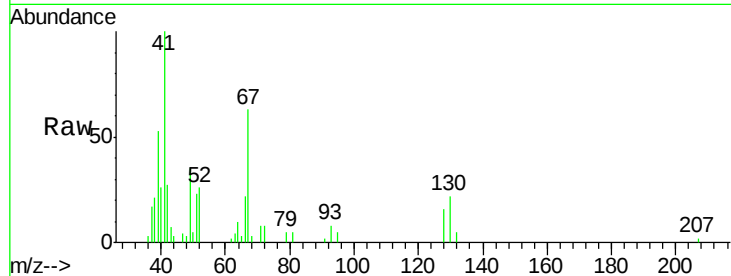
#41
Methacrylonitrile
Concen: 17.623 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	41	Resp	17334
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

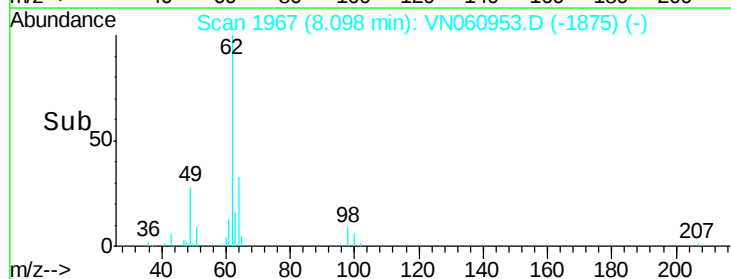
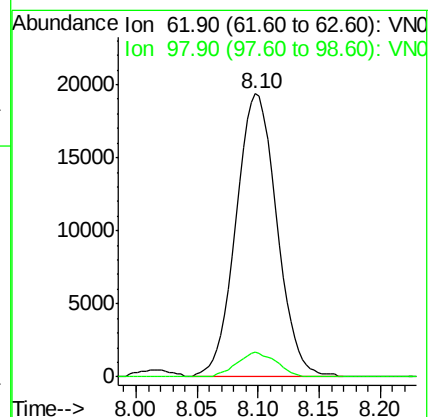
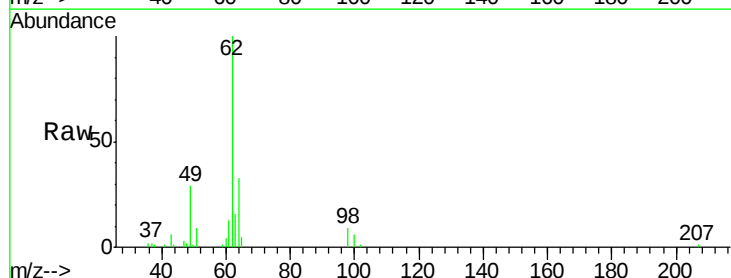
Manual Integrations
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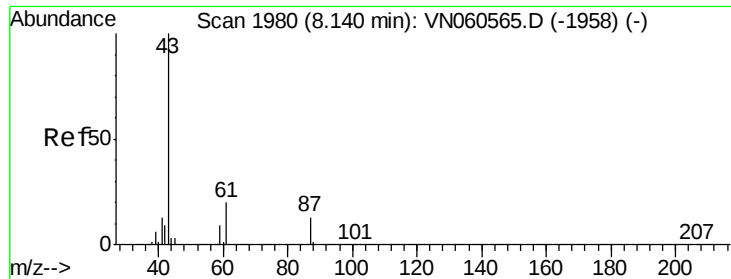
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.517 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	62	Resp	45148
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.8





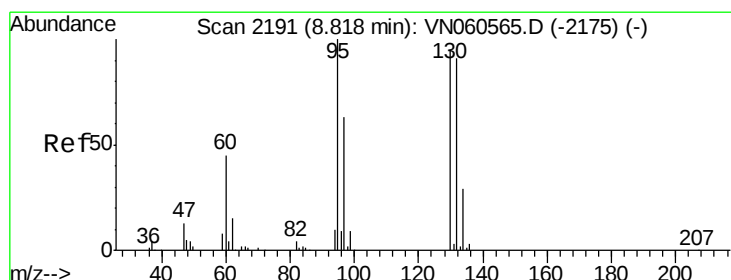
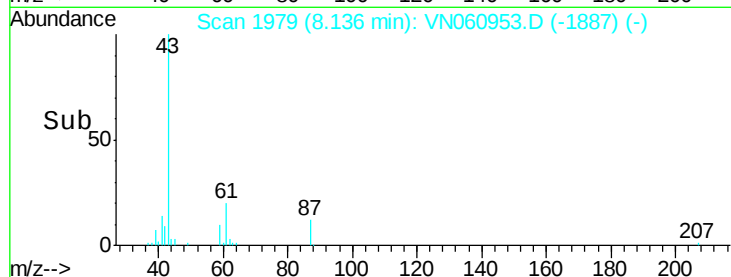
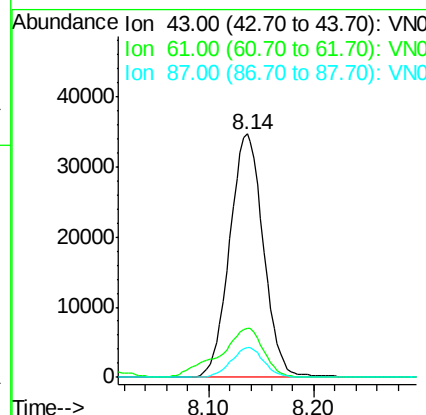
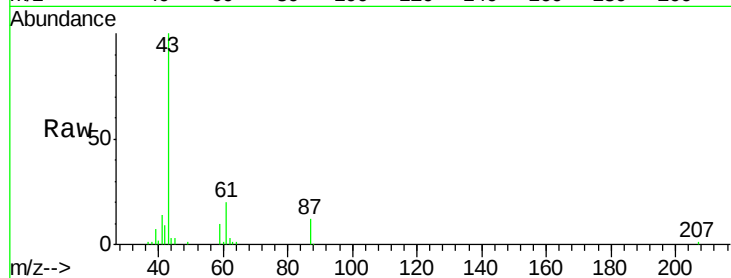
#43
Isopropyl Acetate
Concen: 20.190 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.7	31.1
87	11.7	9.8	14.8

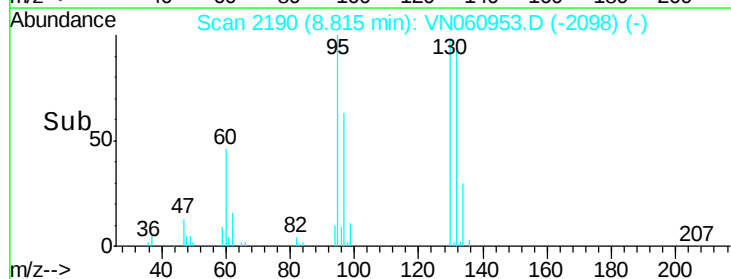
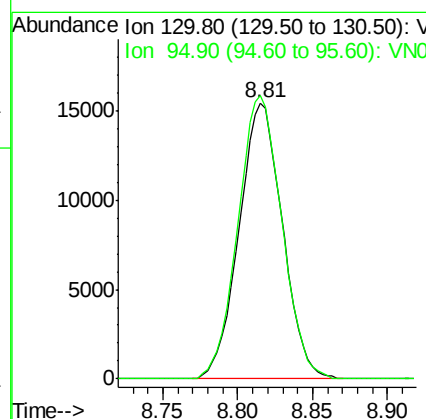
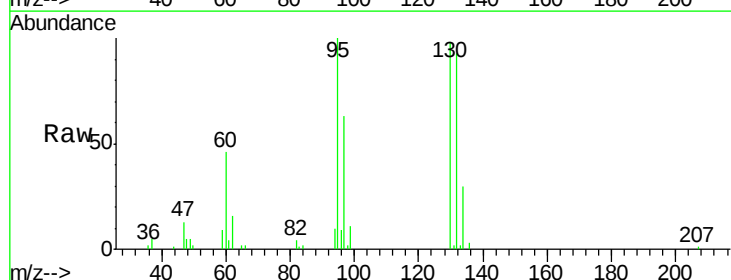
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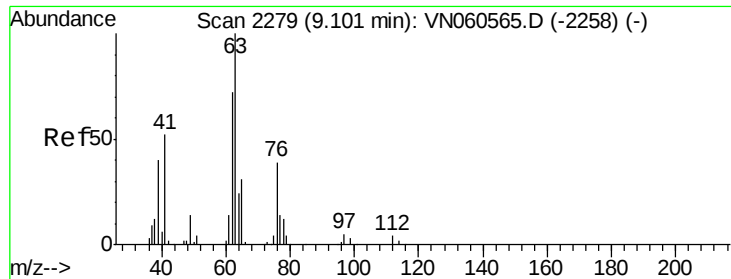
MMDadoda
4/16/2020 11:15:57 AM



#44
Trichloroethene
Concen: 19.181 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	211.2





#45

1,2-Dichloropropane

Concen: 20.857 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 63 Resp: 35437

Ion Ratio Lower Upper

63 100

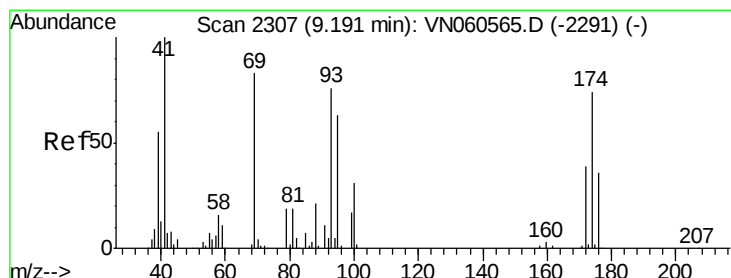
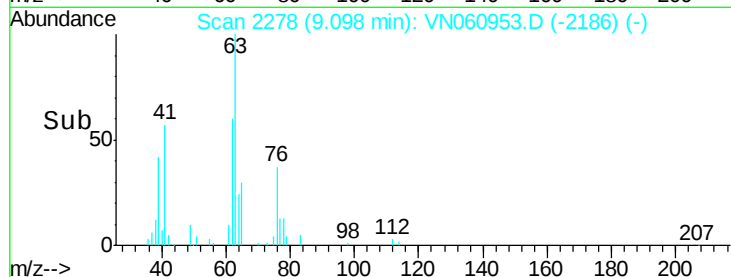
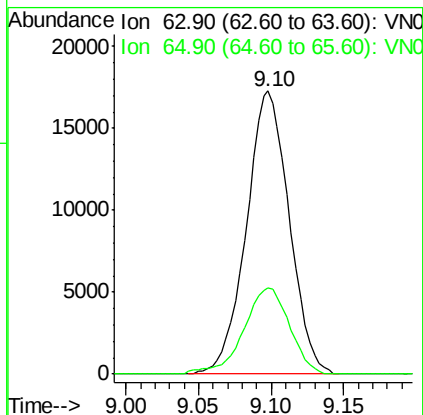
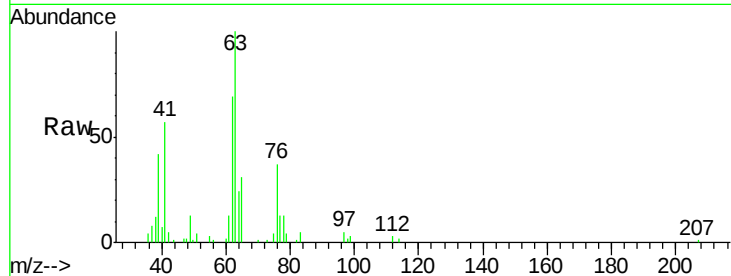
65 30.6 25.4 38.0

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#46

Dibromomethane

Concen: 20.062 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

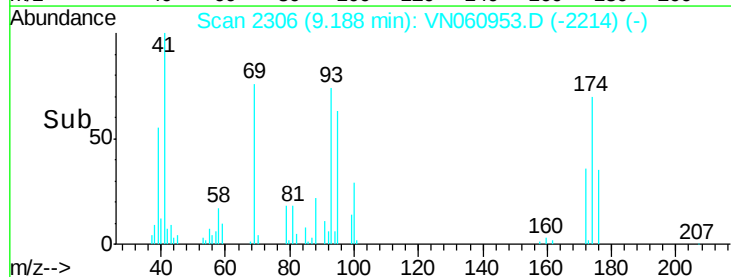
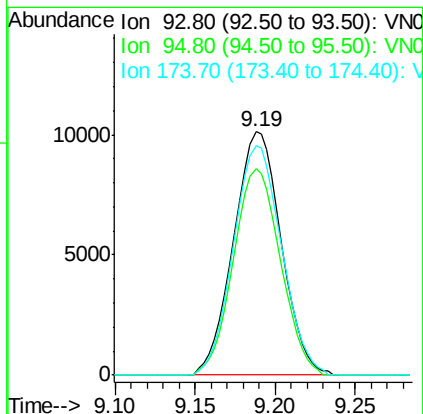
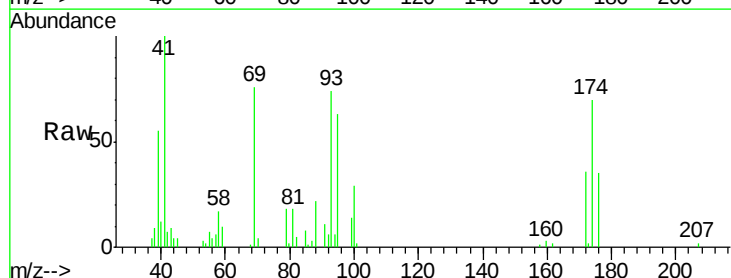
Tgt Ion: 93 Resp: 20607

Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

174 95.2 77.9 116.9





#47

Bromodichloromethane

Concen: 20.386 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

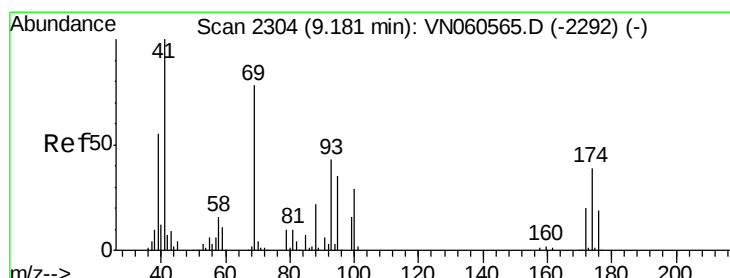
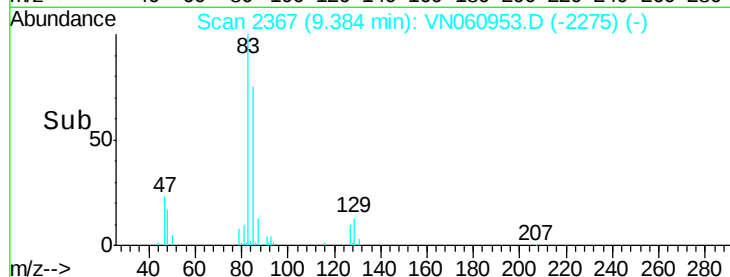
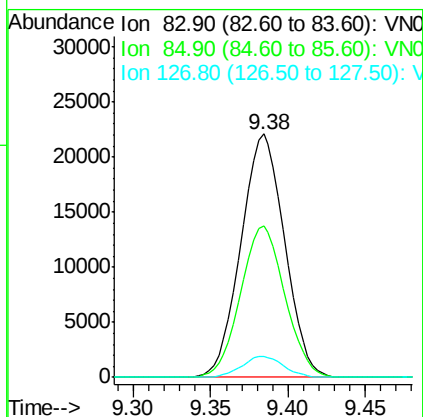
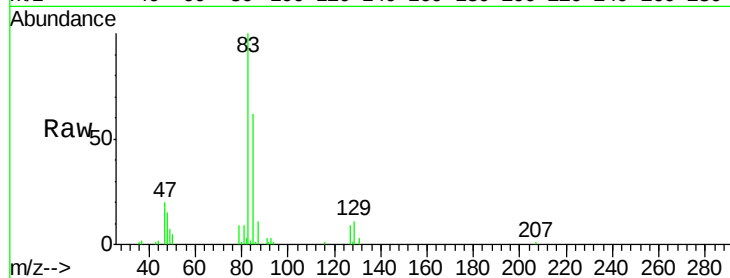
ClientSampleId :

VN0415WBSD01

Tot Ion:	83	Resp:	43512
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.6
127	8.6	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.696 ug/l

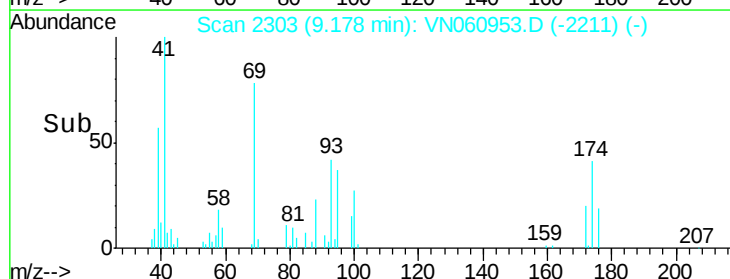
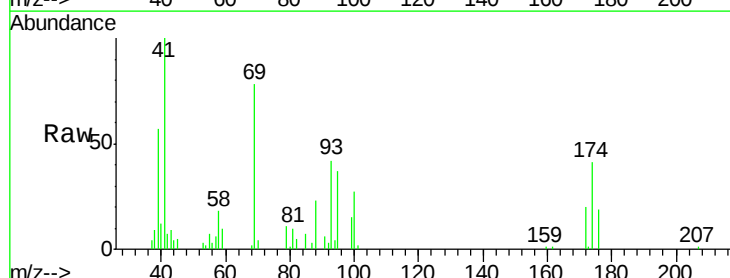
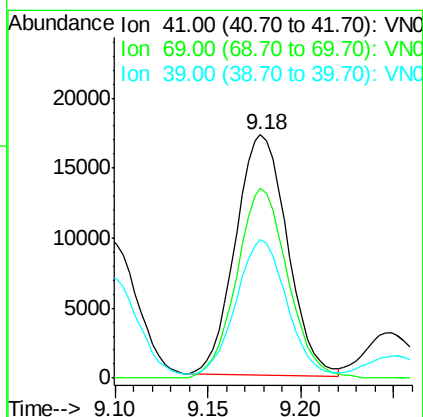
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion:	41	Resp:	33331
Ion	Ratio	Lower	Upper
41	100		
69	78.2	65.4	98.0
39	54.8	44.0	66.0





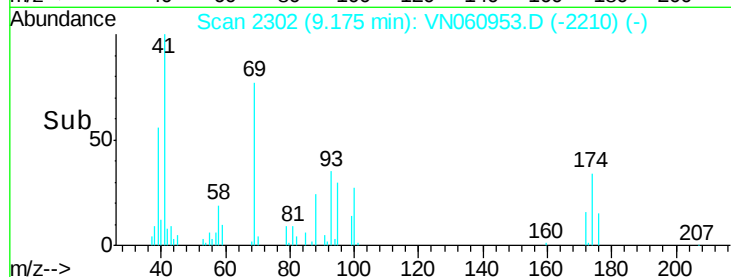
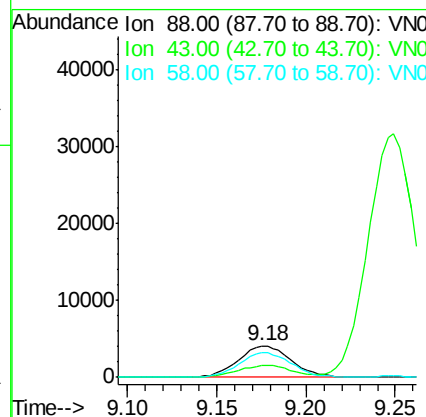
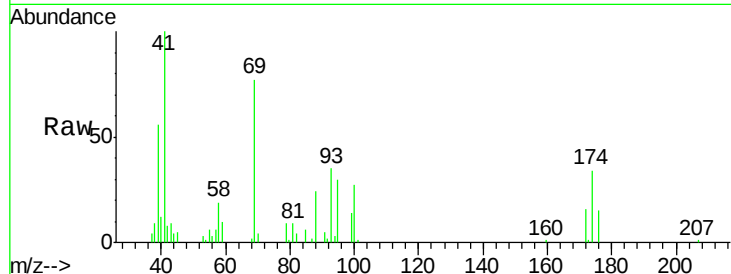
#49
1,4-Dioxane
Concen: 416.265 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.8	46.2
58	76.8	59.8	89.8

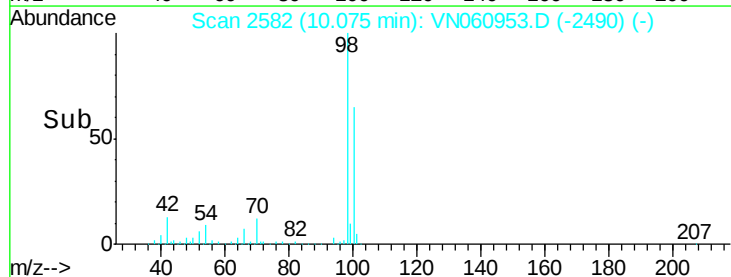
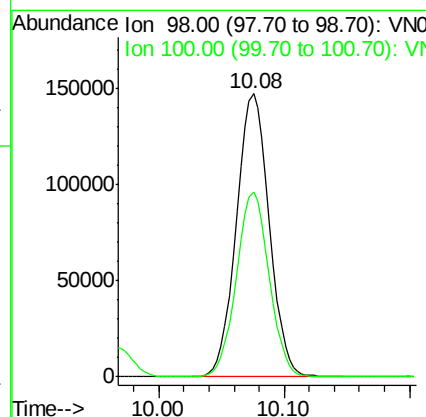
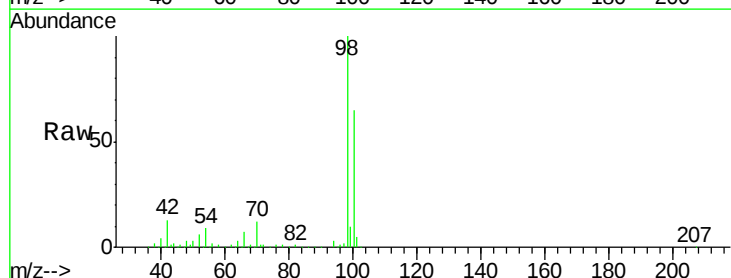
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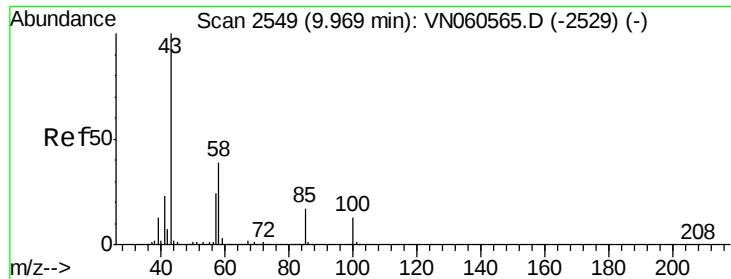
MMDadoda
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#50
Toluene-d8
Concen: 49.407 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 101.954 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 43 Resp: 220514

Ion Ratio Lower Upper

43 100

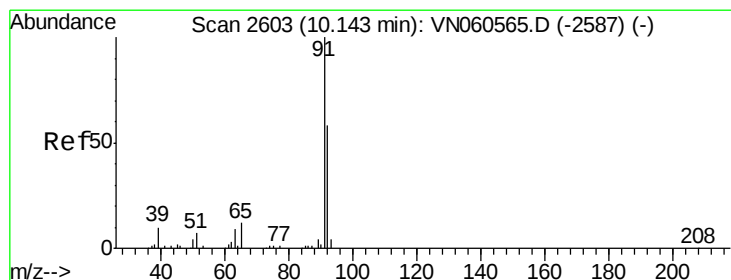
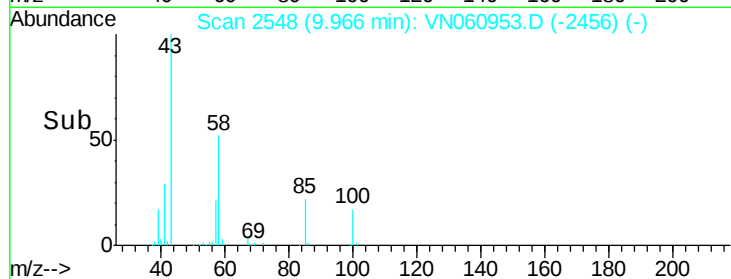
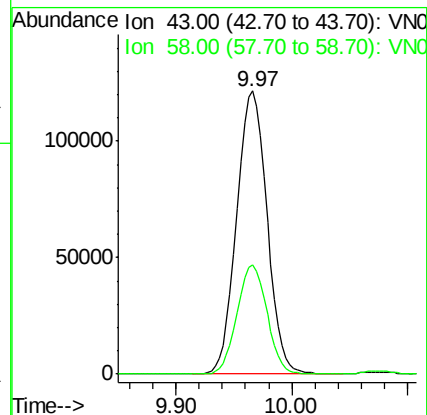
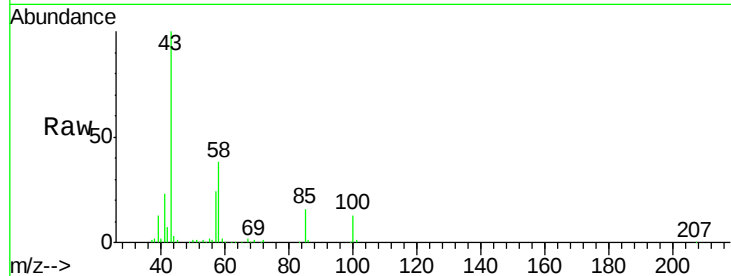
58 37.9 30.8 46.2

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#52

Toluene

Concen: 19.397 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060953.D

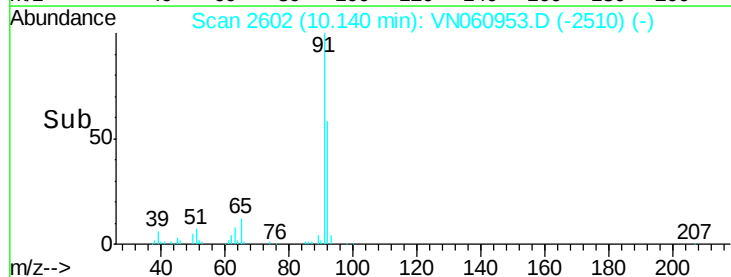
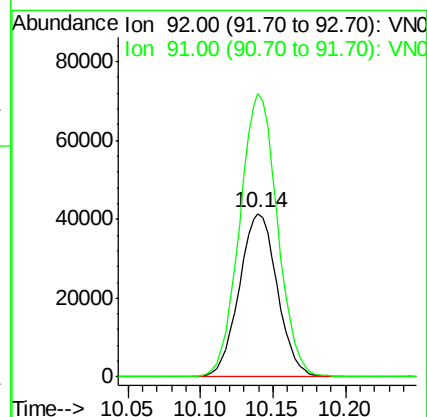
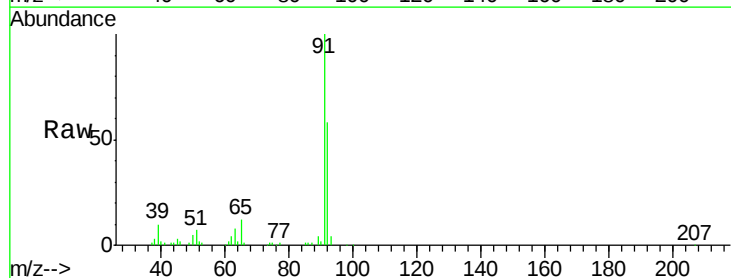
Acq: 15 Apr 2020 12:05

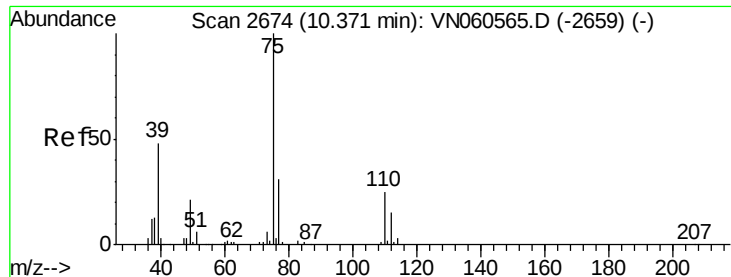
Tgt Ion: 92 Resp: 75427

Ion Ratio Lower Upper

92 100

91 172.4 137.6 206.4





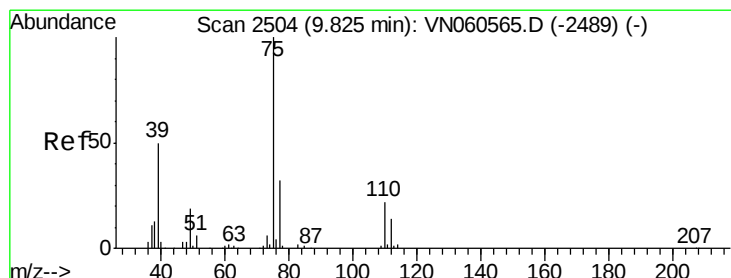
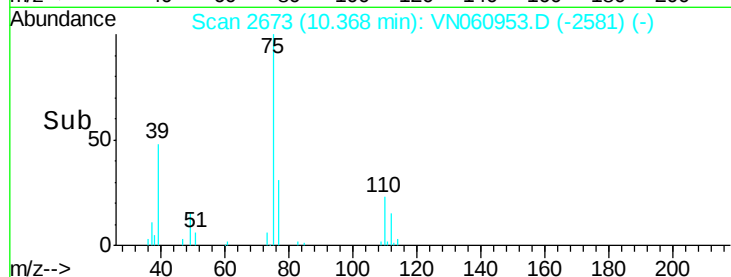
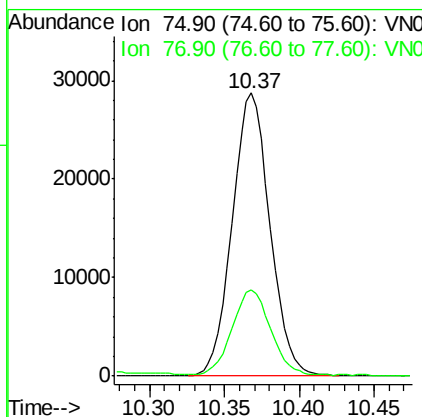
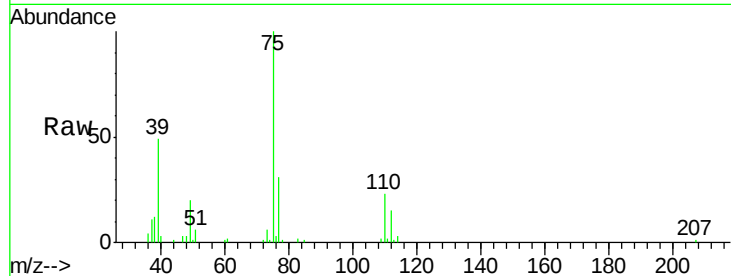
#53
t-1,3-Dichloropropene
Concen: 20.586 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion: 75 Resp: 50471
Ion Ratio Lower Upper
75 100
77 30.1 25.1 37.7

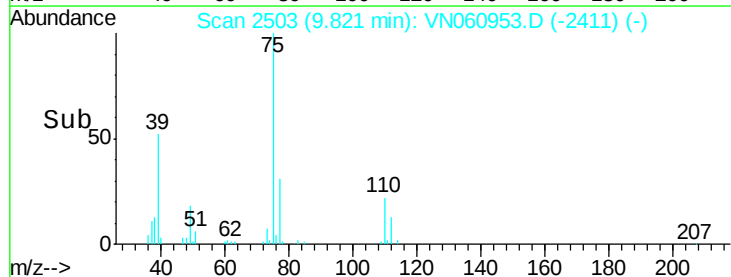
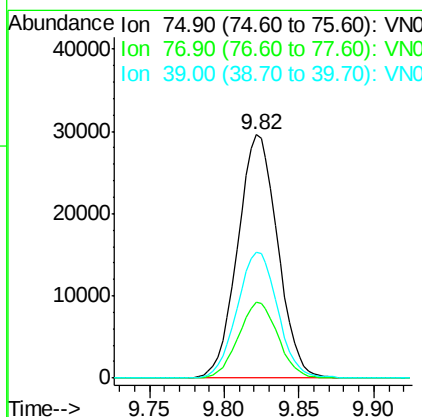
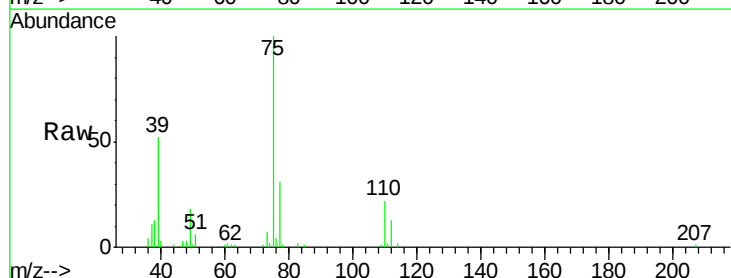
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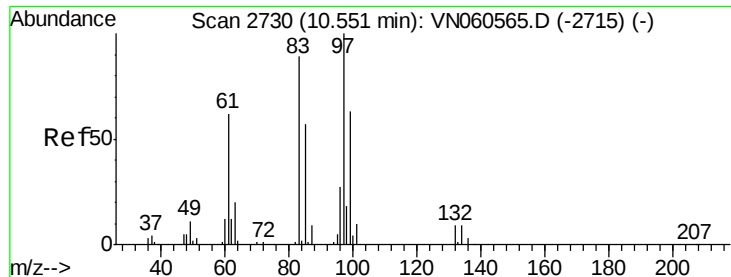
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#54
cis-1,3-Dichloropropene
Concen: 20.430 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion: 75 Resp: 54950
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 51.6 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 20.159 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 97 Resp: 30158

Ion Ratio Lower Upper

97 100

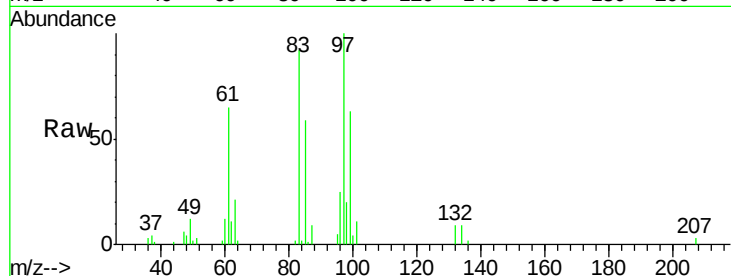
83 91.6 71.3 106.9

85 58.9 45.2 67.8

99 62.7 50.1 75.1

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MMDadoda
4/16/2020 11:15:57 AM

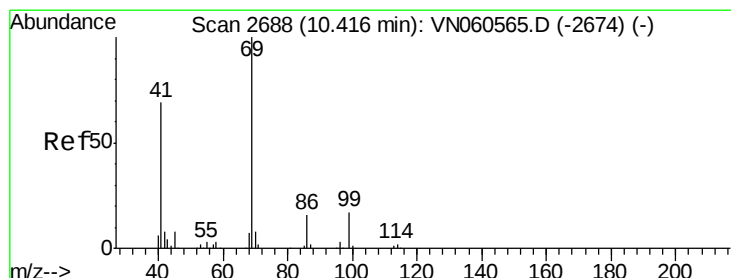
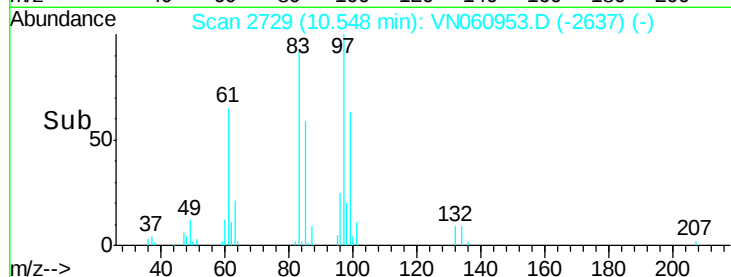
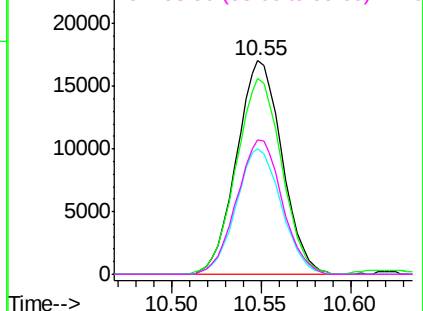


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.698 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

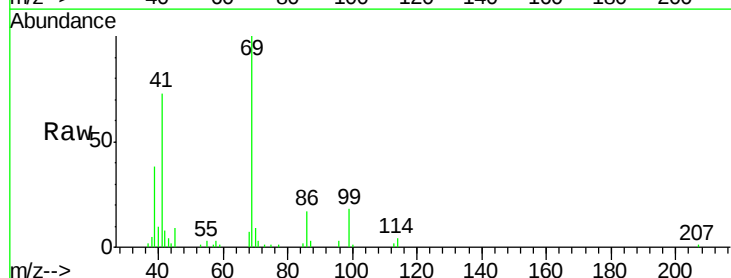
Tgt Ion: 69 Resp: 45948

Ion Ratio Lower Upper

69 100

41 71.8 55.4 83.2

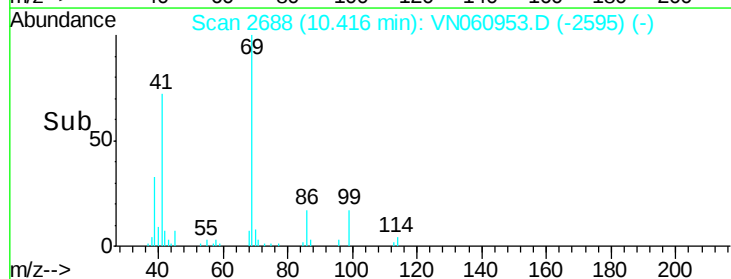
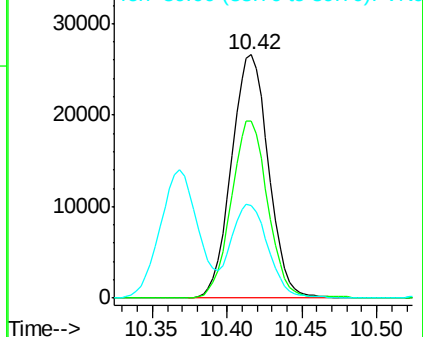
39 38.6 29.4 44.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.700 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 76 Resp: 53737

Ion Ratio Lower Upper

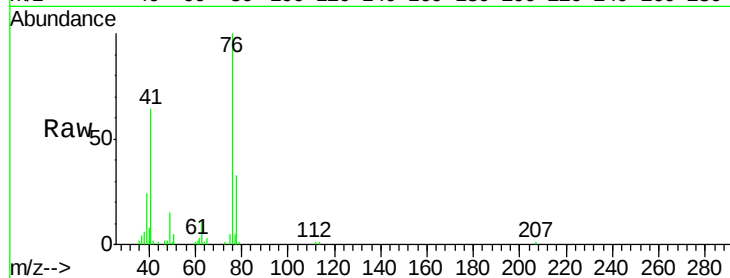
76 100

78 32.1 25.8 38.6

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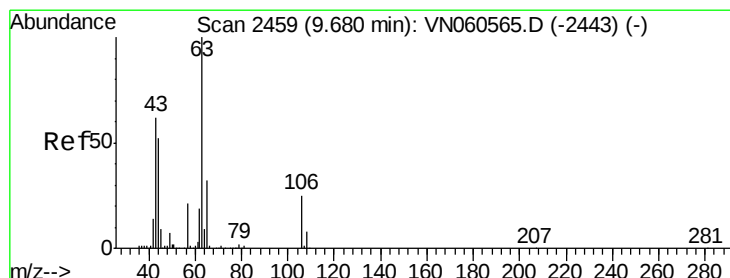
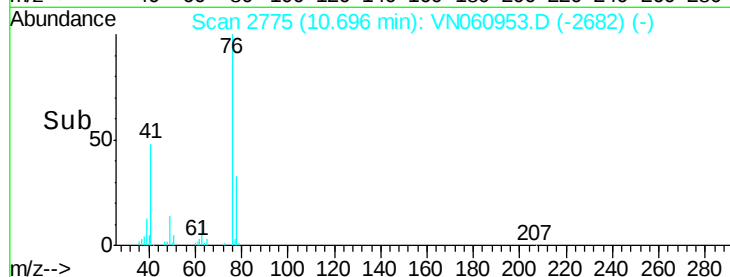
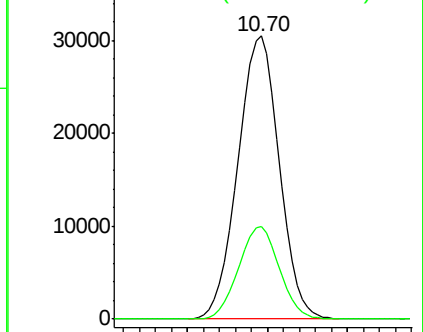
MMDadoda

4/16/2020 11:15:57 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 88.096 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060953.D

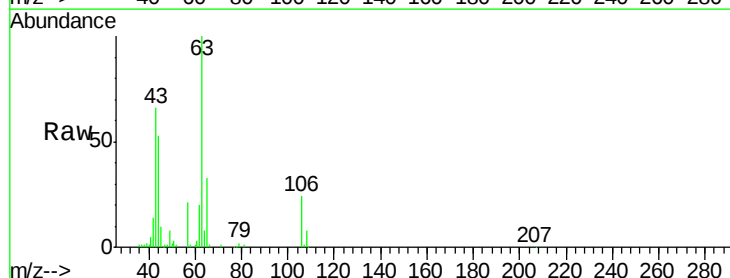
Acq: 15 Apr 2020 12:05

Tgt Ion: 63 Resp: 102134

Ion Ratio Lower Upper

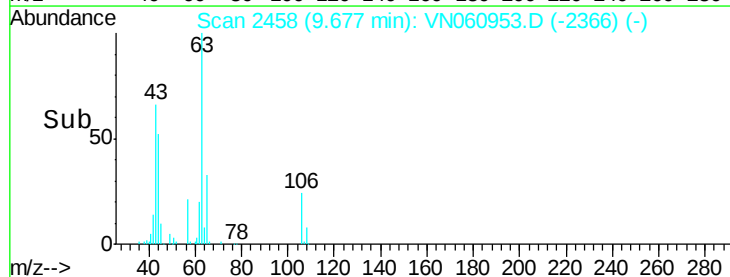
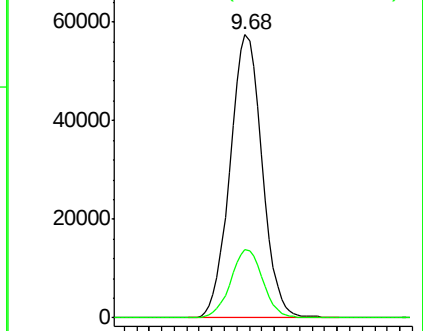
63 100

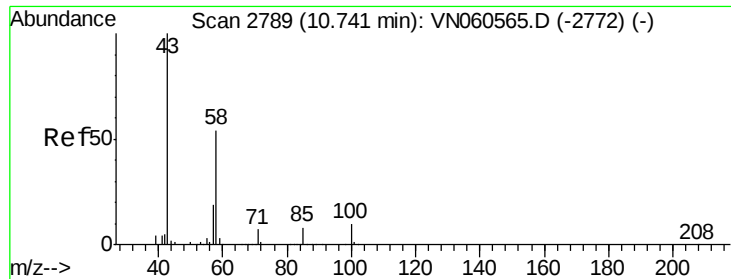
106 24.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





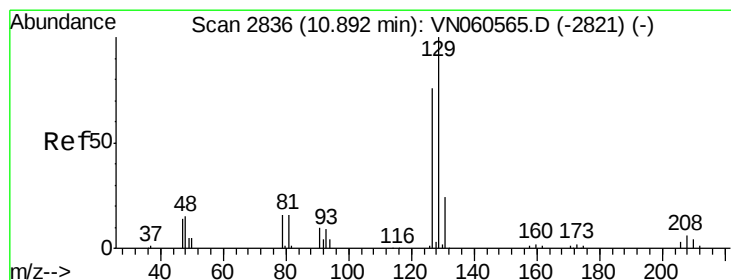
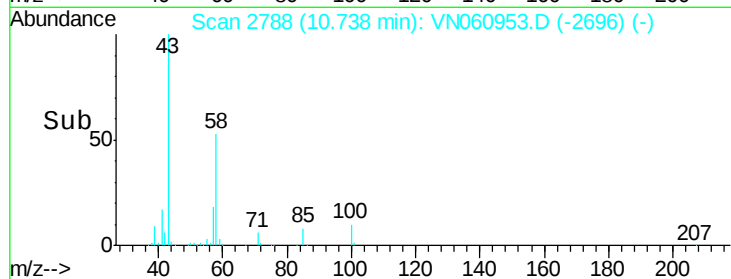
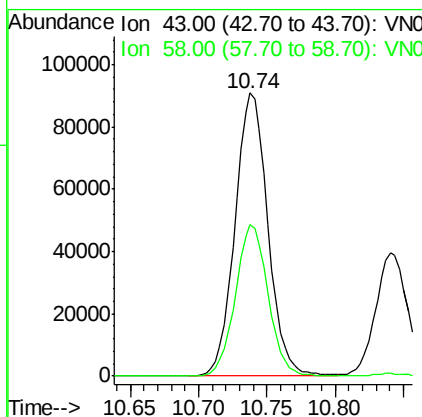
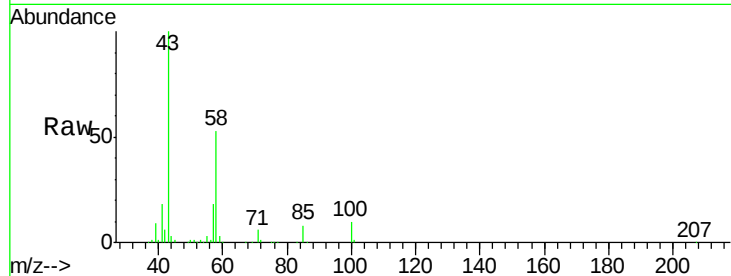
#59
2-Hexanone
Concen: 97.618 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion: 43 Resp: 152093
Ion Ratio Lower Upper
43 100
58 53.1 26.7 80.1

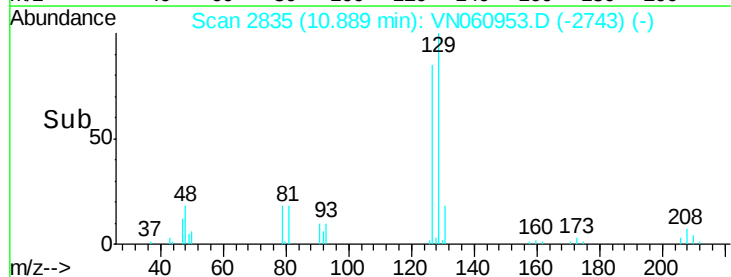
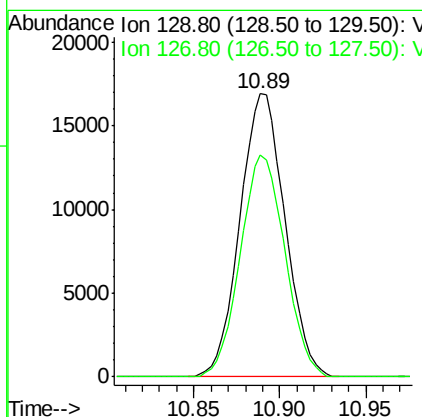
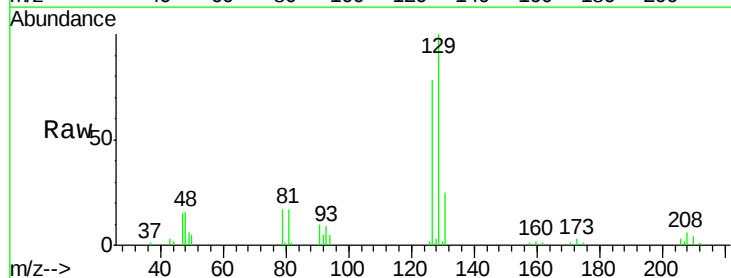
Manual Integrations
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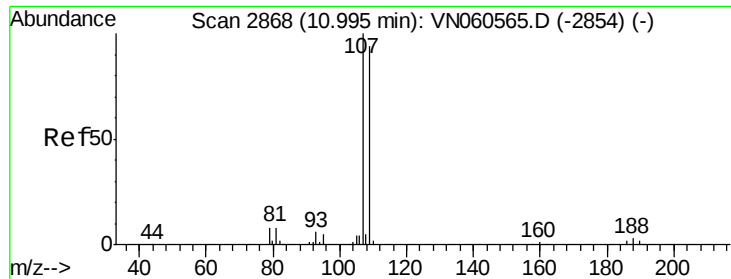
MMDadoda
4/16/2020 11:15:57 AM



#60
Dibromochloromethane
Concen: 19.928 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion: 129 Resp: 30795
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.852 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion:107 Resp: 29864

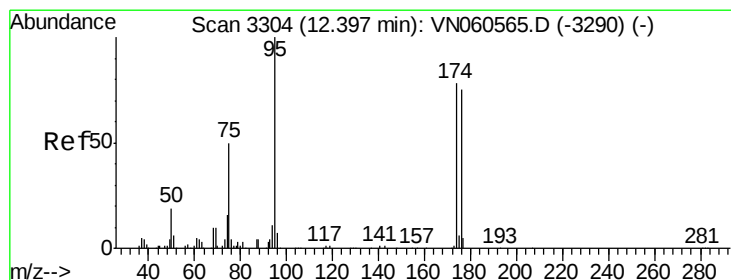
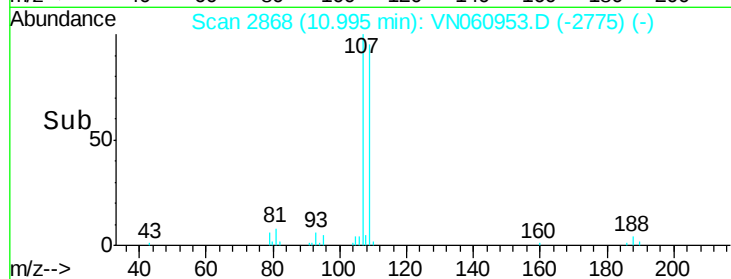
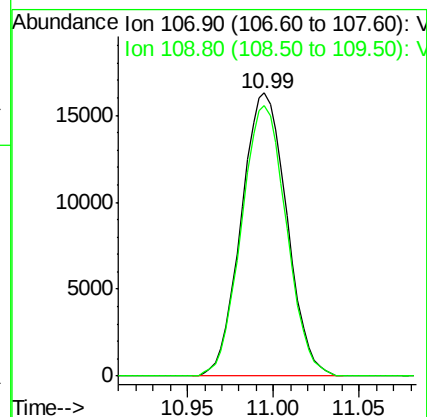
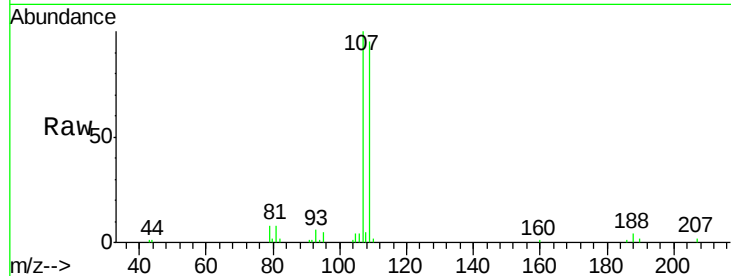
Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.303 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

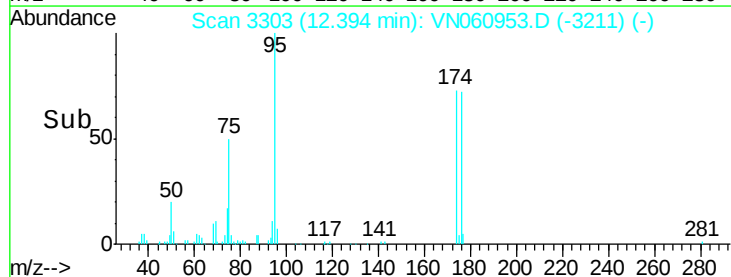
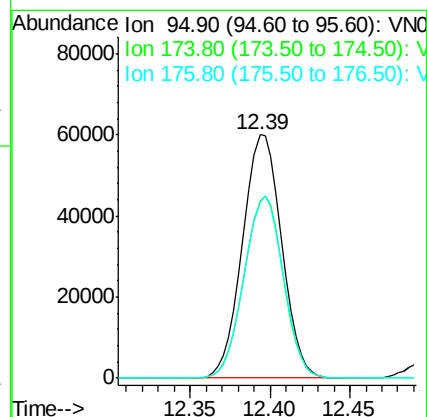
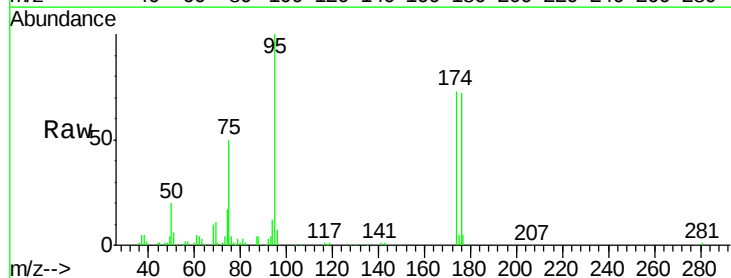
Tgt Ion: 95 Resp: 100296

Ion Ratio Lower Upper

95 100

174 74.9 0.0 157.6

176 74.7 0.0 150.6





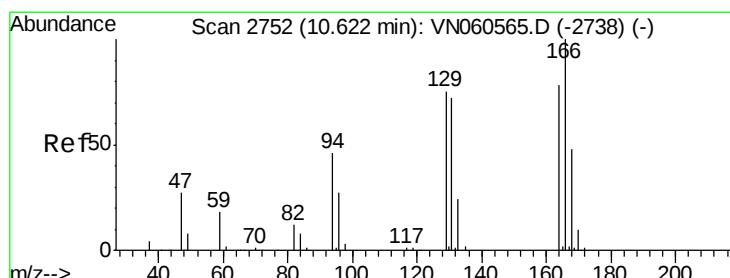
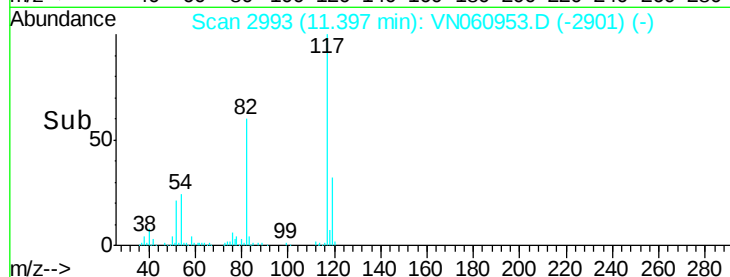
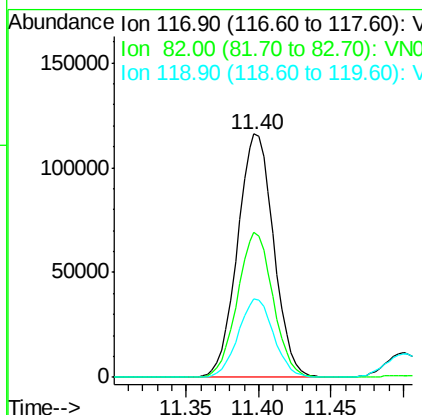
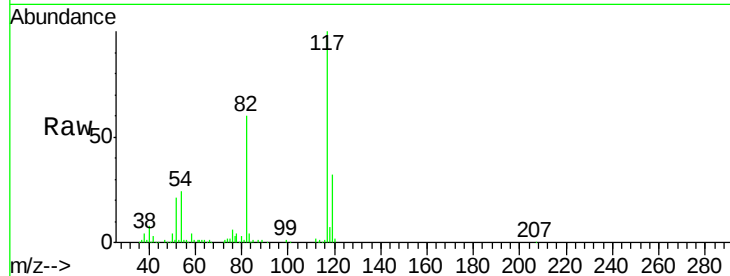
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	46.7	70.1
119	32.1	25.5	38.3

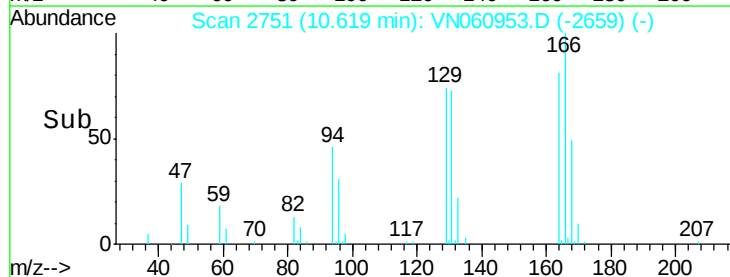
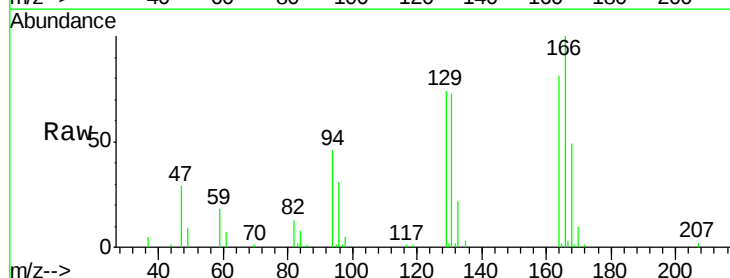
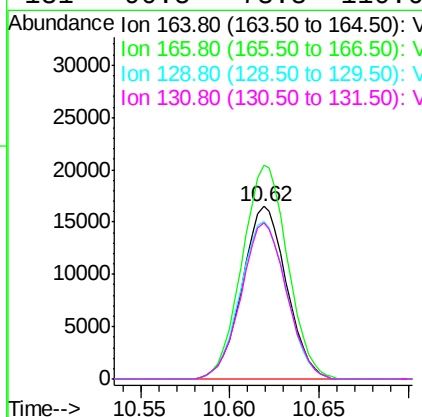
Manual Integrations
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#64
Tetrachloroethene
Concen: 18.199 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	102.7	154.1
129	91.5	77.2	115.8
131	90.5	73.8	110.6





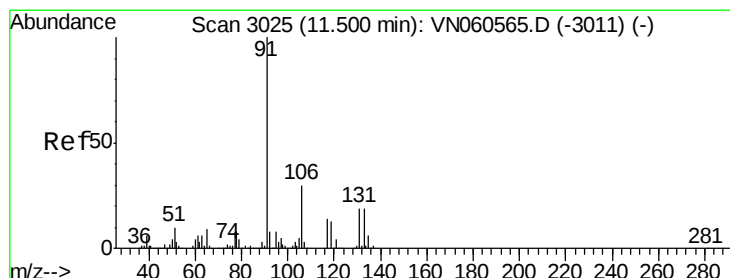
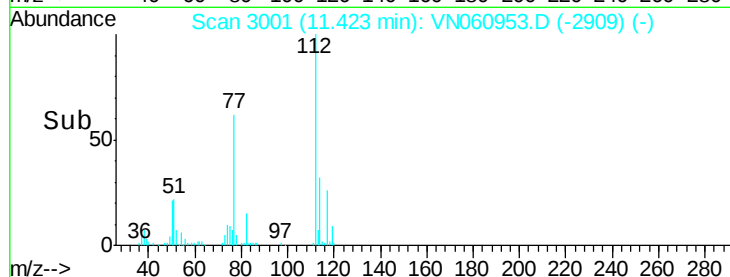
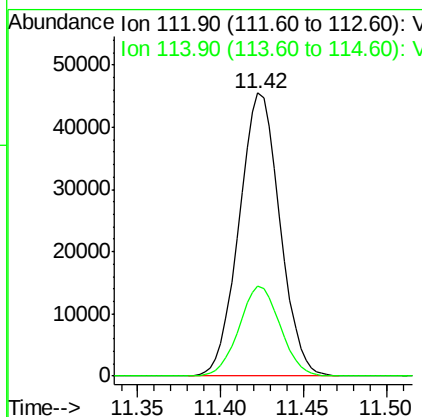
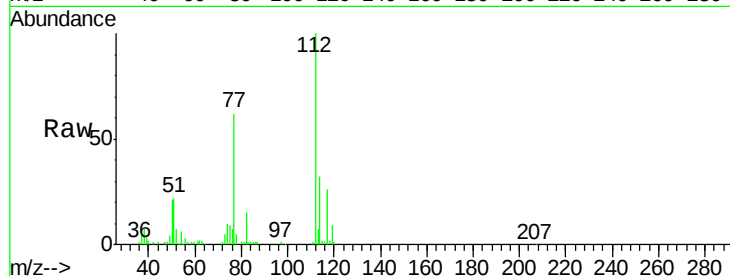
#65
Chlorobenzene
Concen: 19.483 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

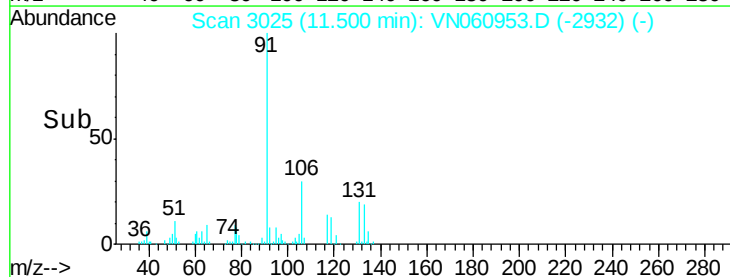
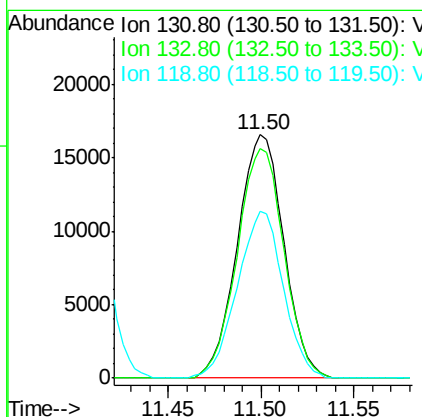
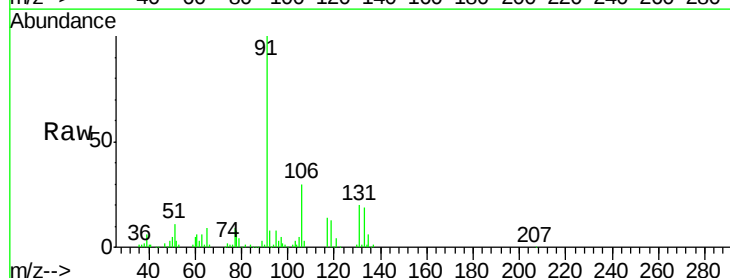
Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.021 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.9	146.8
119	67.7	33.9	101.7





#67

Ethyl Benzene

Concen: 19.436 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 91 Resp: 144148

Ion Ratio Lower Upper

91 100

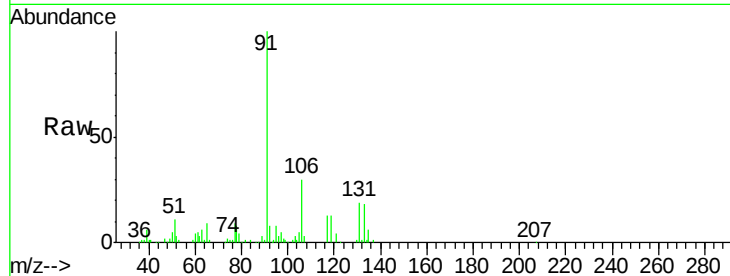
106 30.1 24.2 36.2

Manual Integrations

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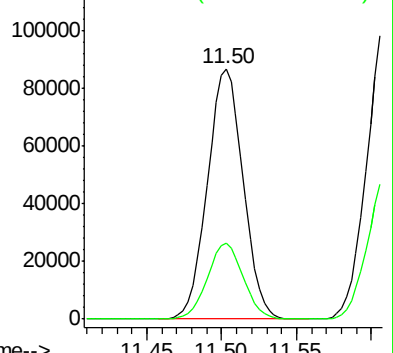
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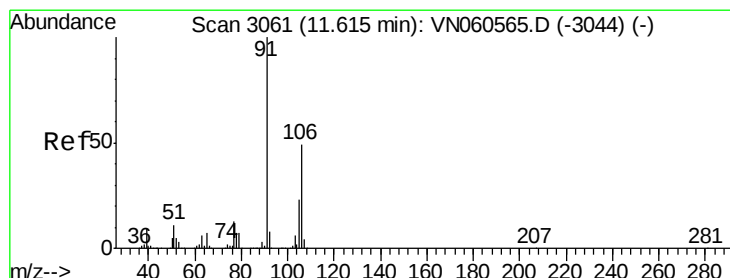
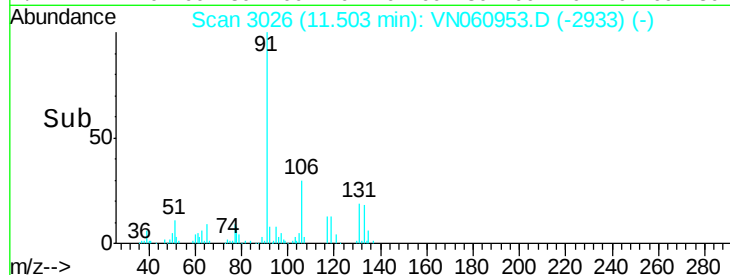


Abundance Ion 91.00 (90.70 to 91.70): VN060953.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060953.D (-2933) (-)



Time-->



#68

m/p-Xylenes

Concen: 37.947 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060953.D

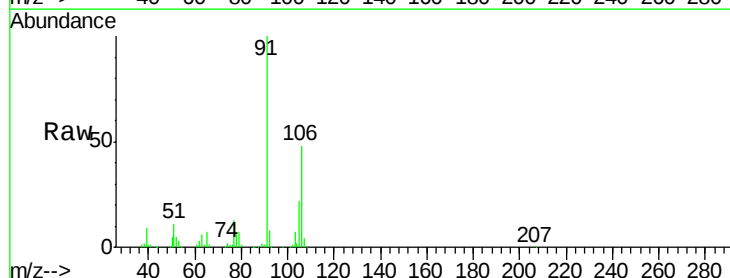
Acq: 15 Apr 2020 12:05

Tgt Ion: 106 Resp: 104584

Ion Ratio Lower Upper

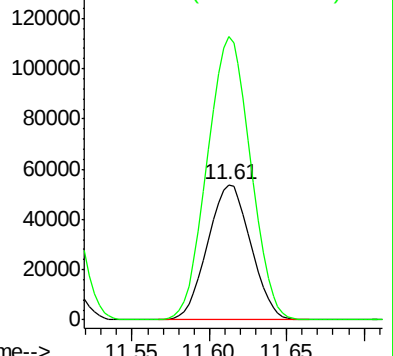
106 100

91 209.9 165.0 247.4

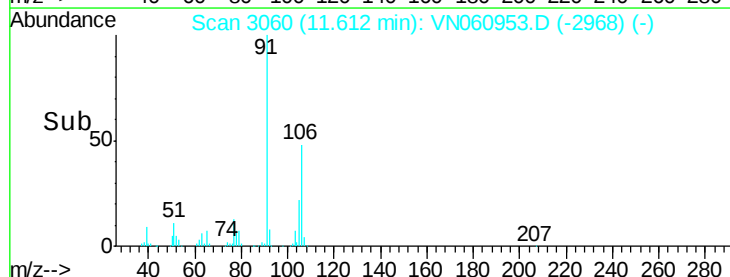


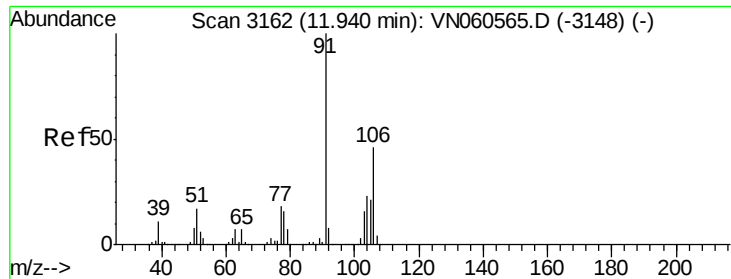
Abundance Ion 106.00 (105.70 to 106.70): VN060953.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060953.D (-2968) (-)



Time-->





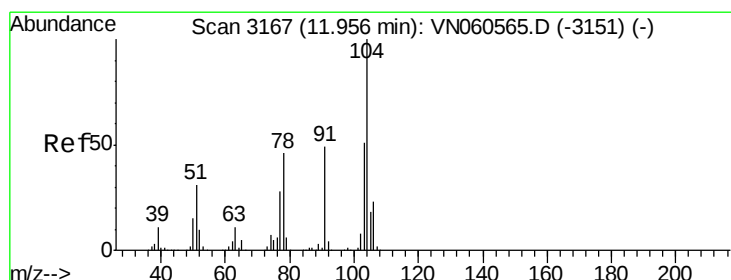
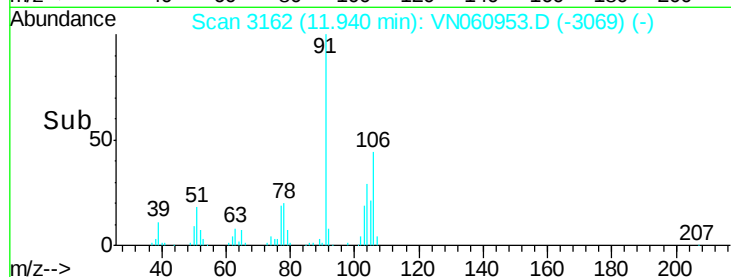
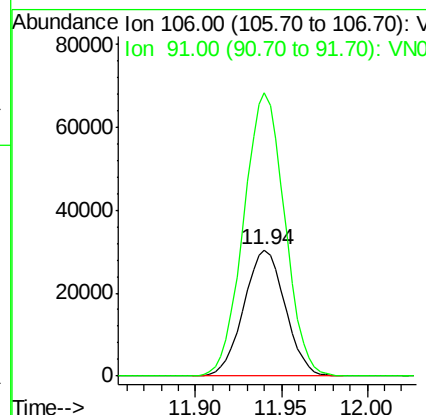
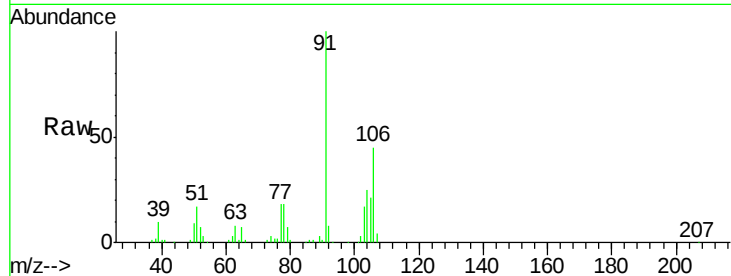
#69
o-Xylene
Concen: 19.261 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion:106 Resp: 50674
Ion Ratio Lower Upper
106 100
91 222.7 109.5 328.4

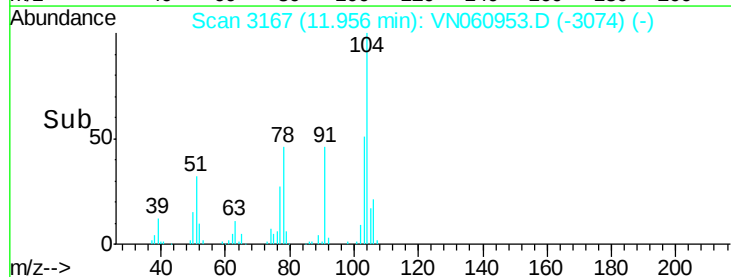
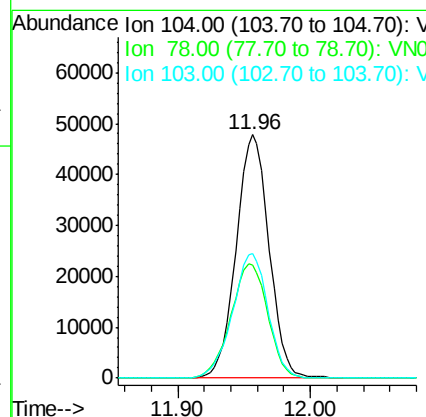
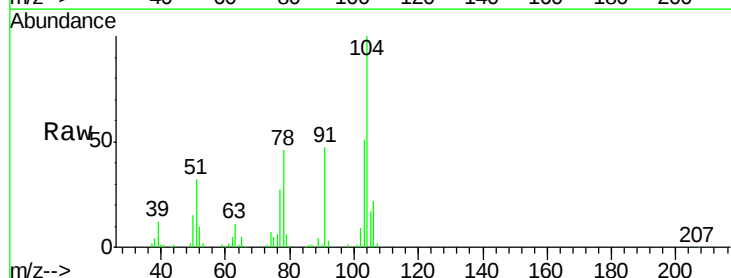
Manual Integrations
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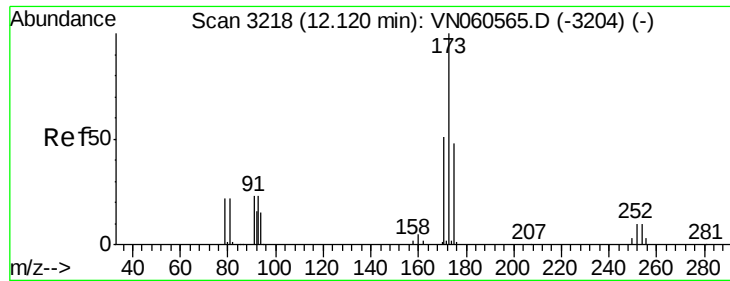
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#70
Styrene
Concen: 19.100 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion:104 Resp: 82186
Ion Ratio Lower Upper
104 100
78 52.6 41.2 61.8
103 55.2 44.0 66.0





#71

Bromoform

Concen: 18.811 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion:173 Resp: 21274

Ion Ratio Lower Upper

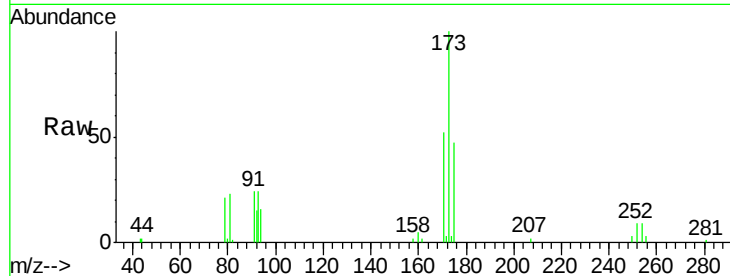
173 100

175 48.2 24.1 72.4

254 0.0 0.0 0.0

Manual Integrations
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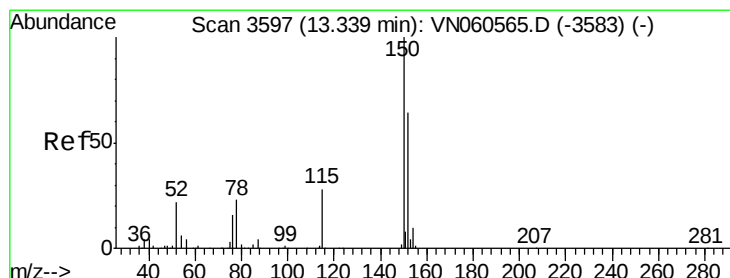
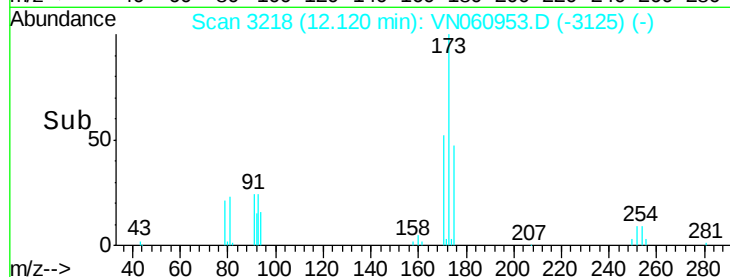
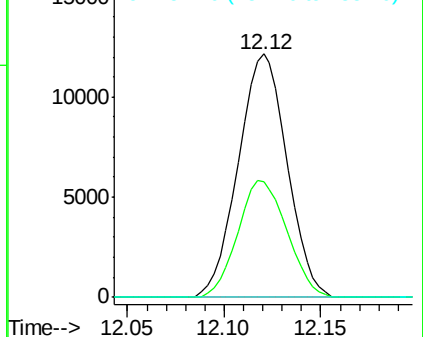
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

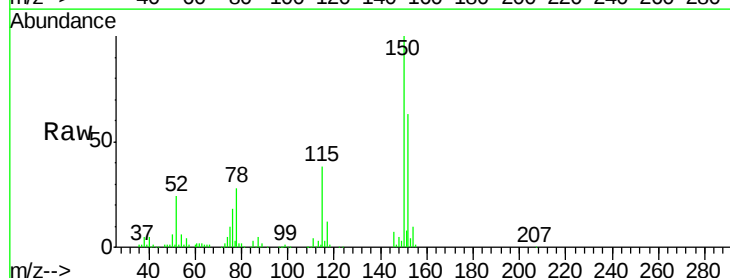
Tgt Ion:152 Resp: 93694

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

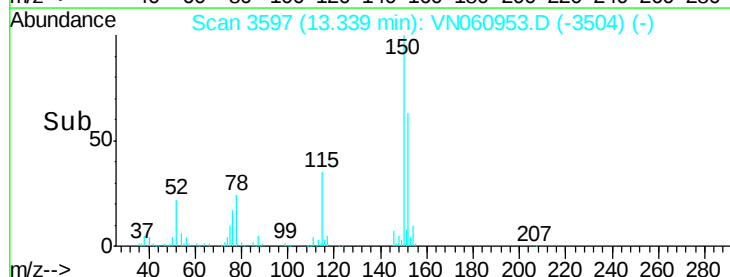
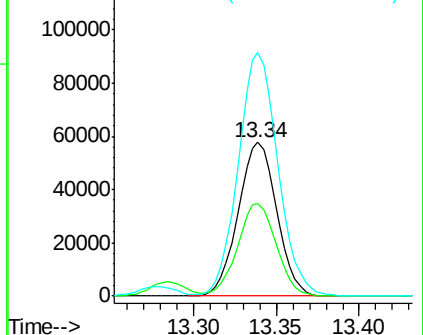
150 162.4 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.593 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 105 Resp: 137768

Ion Ratio Lower Upper

105 100

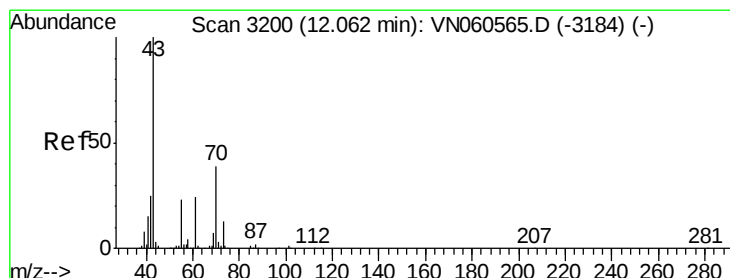
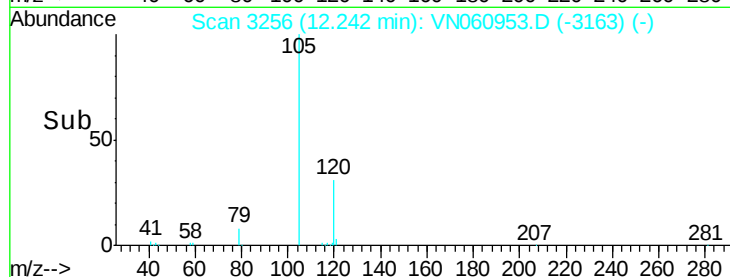
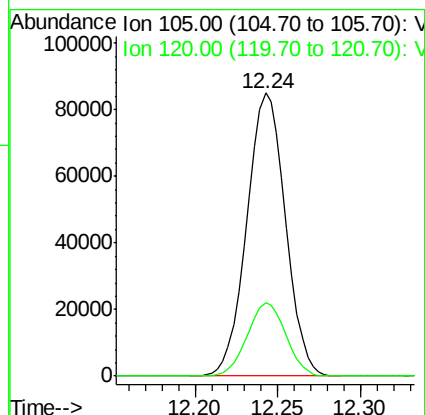
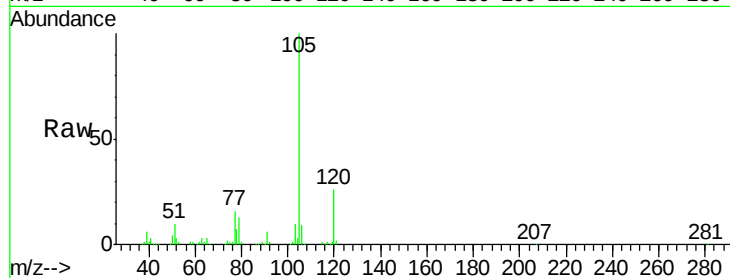
120 25.9 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.402 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion: 43 Resp: 63038

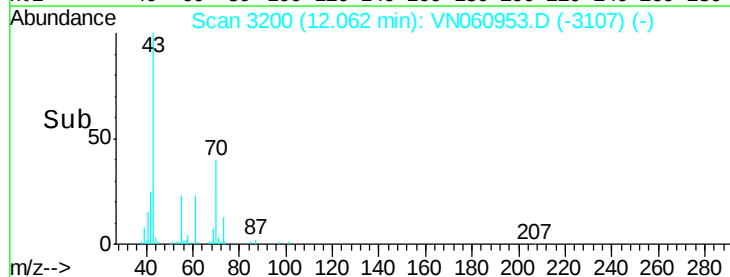
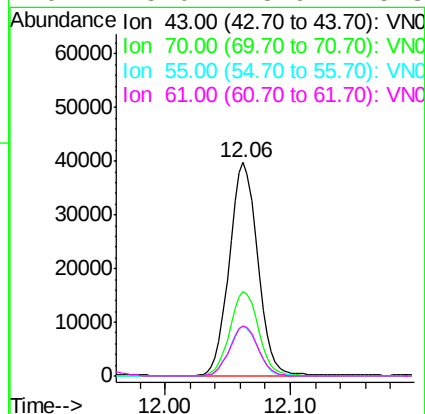
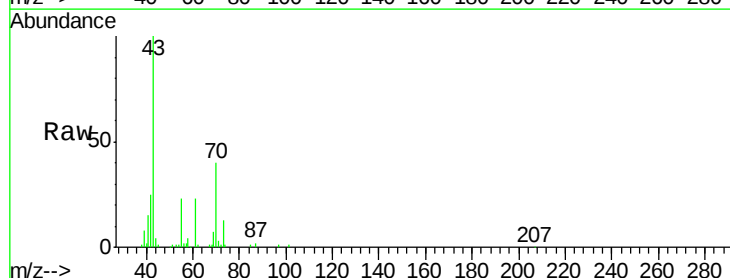
Ion Ratio Lower Upper

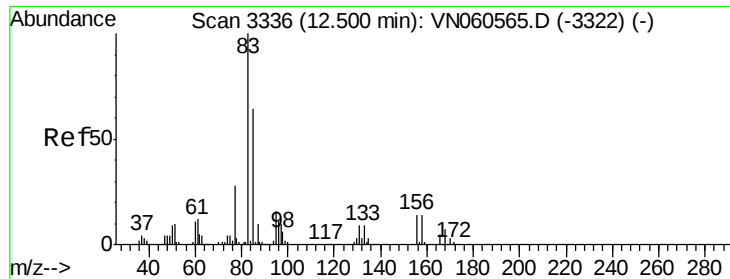
43 100

70 39.8 31.1 46.7

55 23.1 18.6 27.8

61 23.0 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.218 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

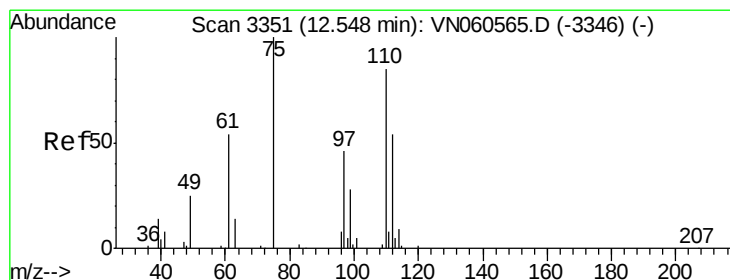
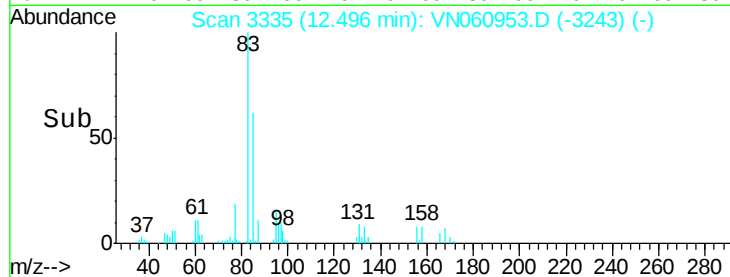
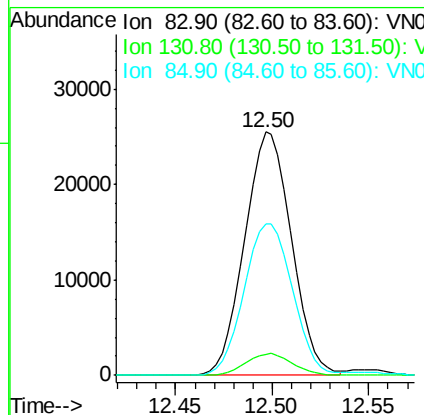
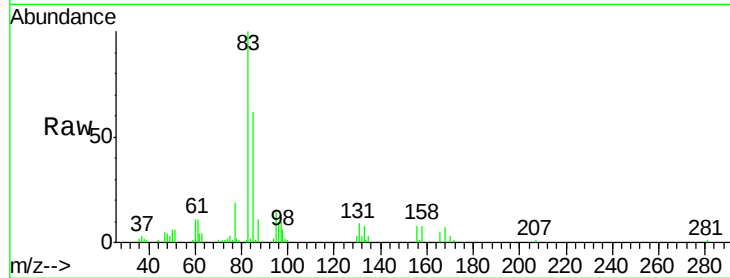
ClientSampleId :

VN0415WBSD01

Tot Ion:	83	Resp:	42990
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.9	14.7
85	64.3	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.646 ug/l m

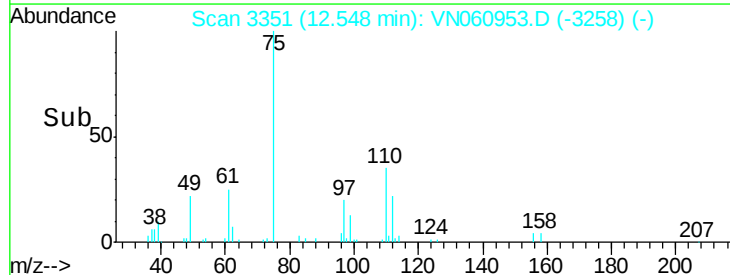
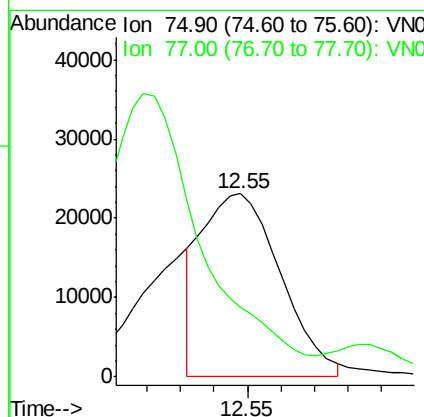
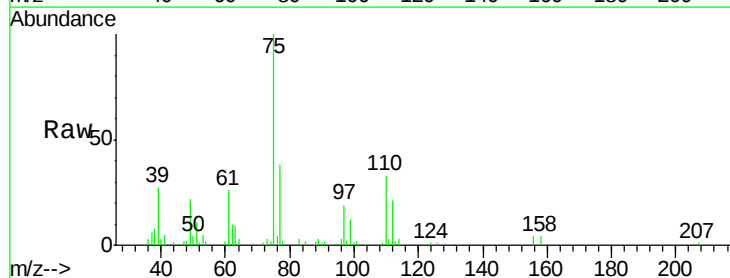
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Tgt Ion:	75	Resp:	37698
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.409 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion:156 Resp: 32885

Ion Ratio Lower Upper

156 100

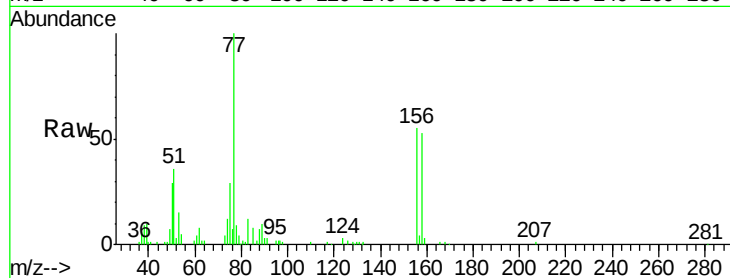
77 227.7 112.3 337.0

158 96.8 48.6 145.8

Manual Integrations
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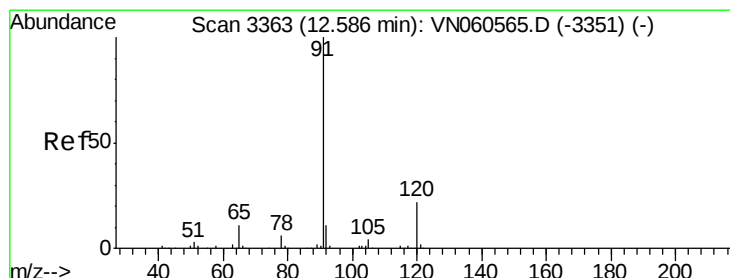
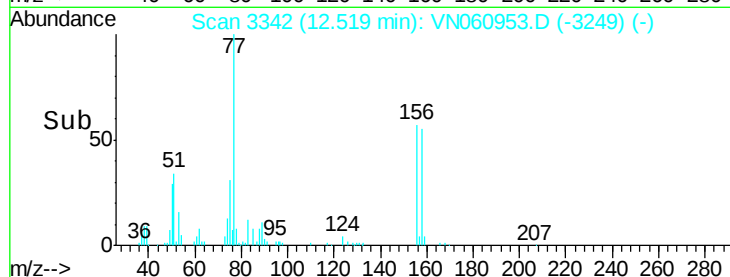
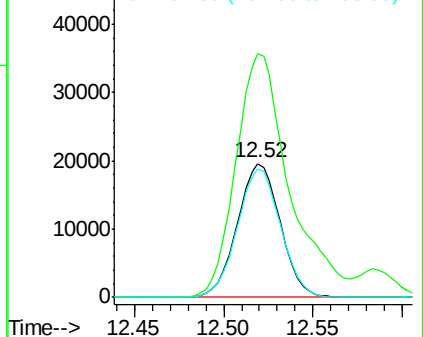
4/16/2020 11:15:57 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.448 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060953.D

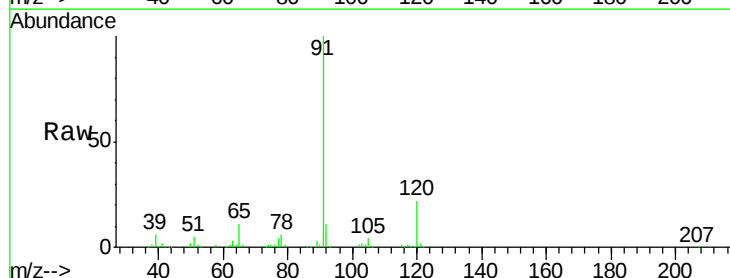
Acq: 15 Apr 2020 12:05

Tgt Ion: 91 Resp: 161559

Ion Ratio Lower Upper

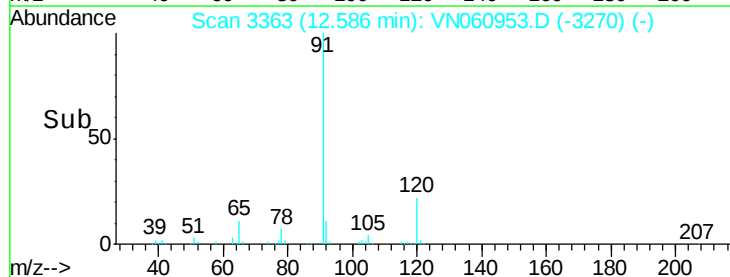
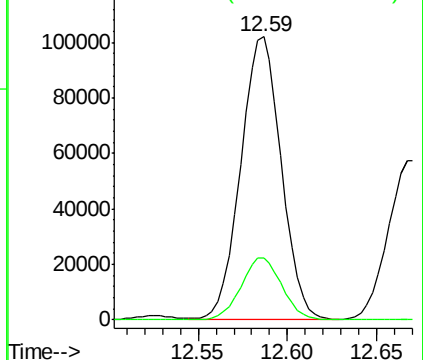
91 100

120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.346 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 91 Resp: 96022

Ion Ratio Lower Upper

91 100

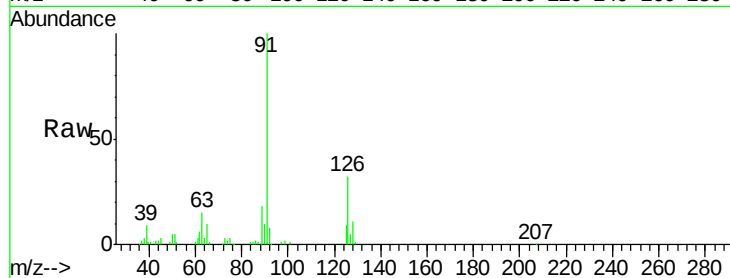
126 32.1 16.4 49.1

Manual Integrations

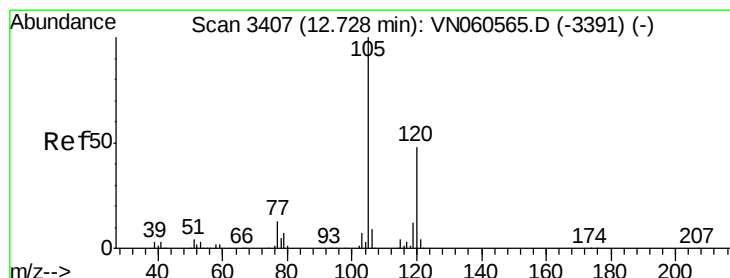
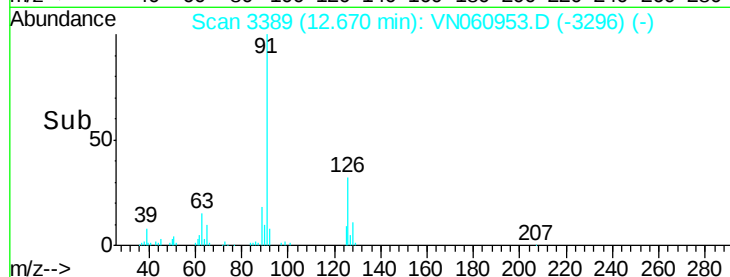
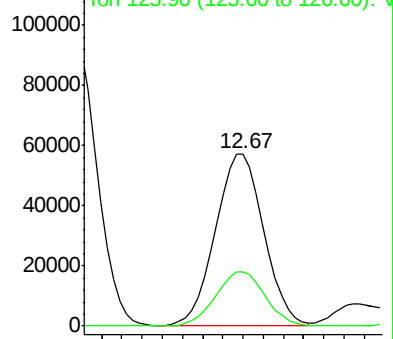
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Abundance Ion 91.00 (90.70 to 91.70): VN060953.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.337 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060953.D

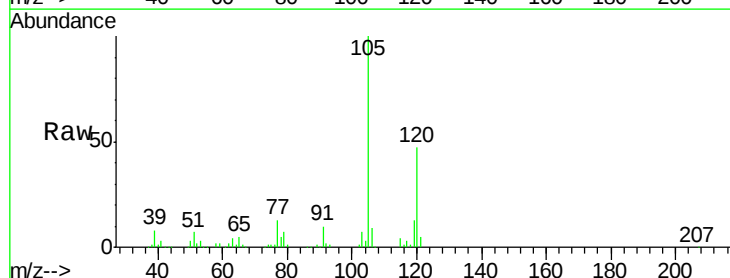
Acq: 15 Apr 2020 12:05

Tgt Ion: 105 Resp: 115385

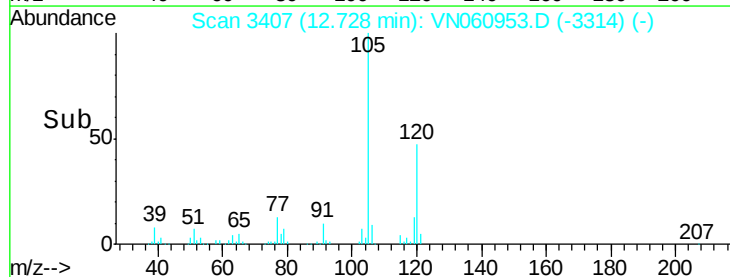
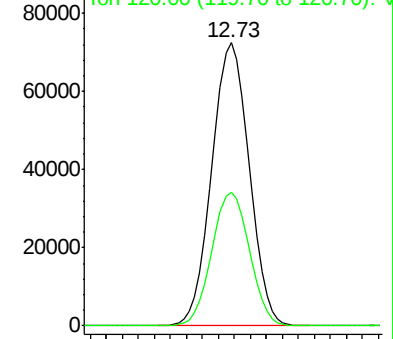
Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060953.D (-3391) (-)





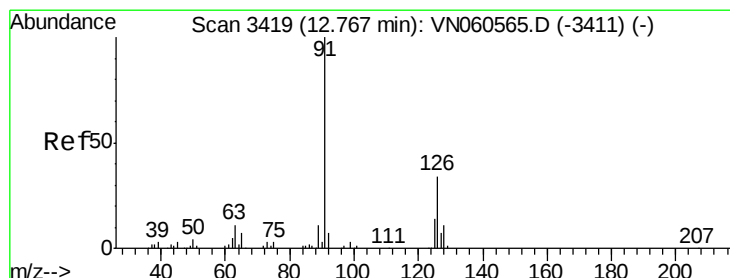
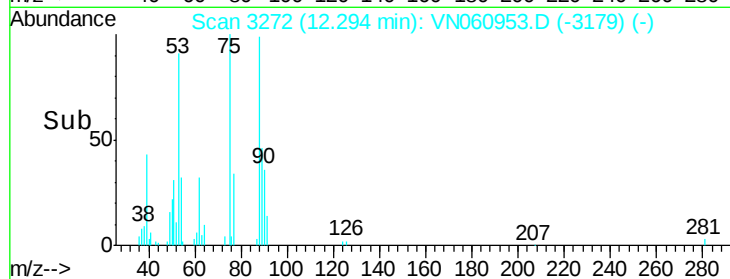
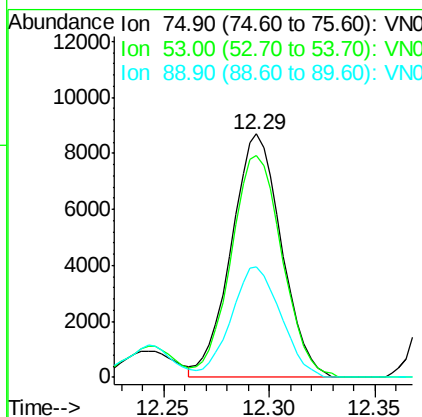
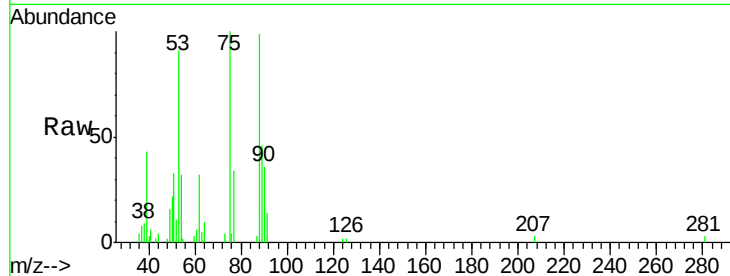
#81
trans-1,4-Dichloro-2-butene
Concen: 18.250 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	73.0	109.4
89	44.8	34.8	52.2

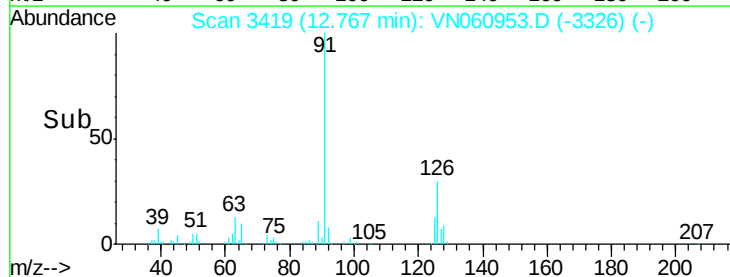
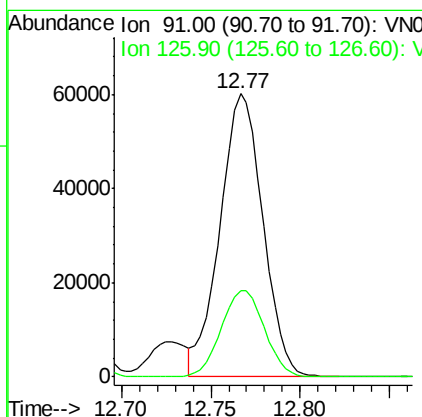
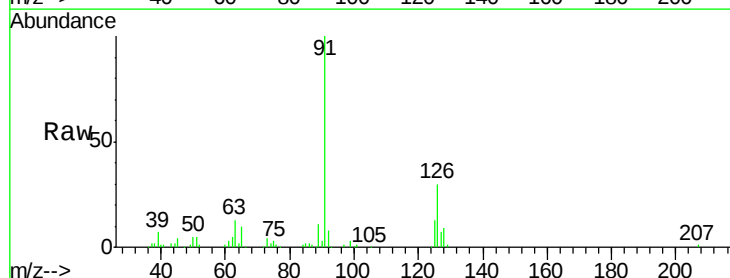
Manual Integrations
APPROVED

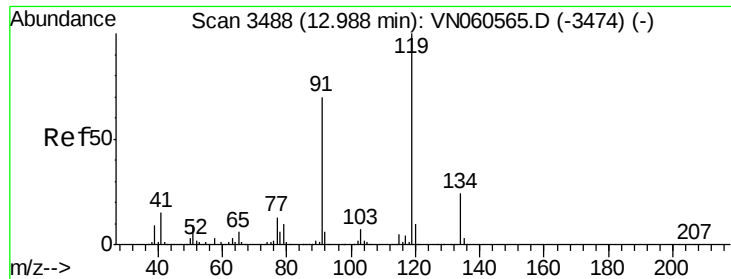
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#82
4-Chlorotoluene
Concen: 19.839 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	16.2	48.5





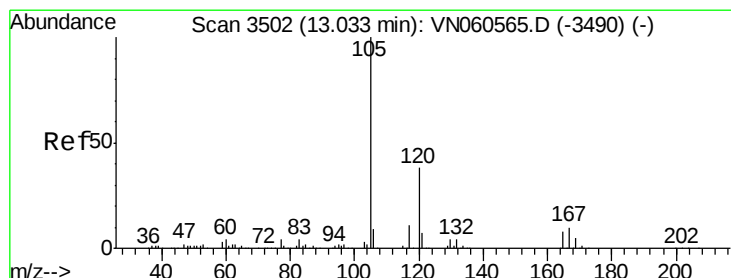
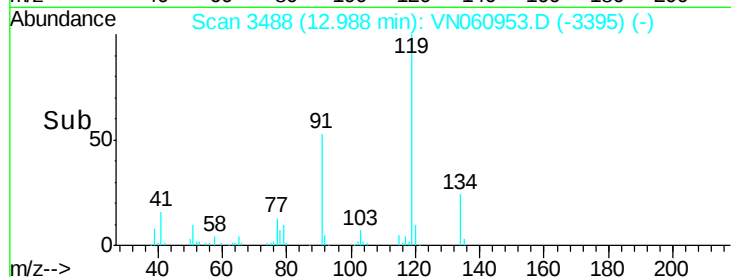
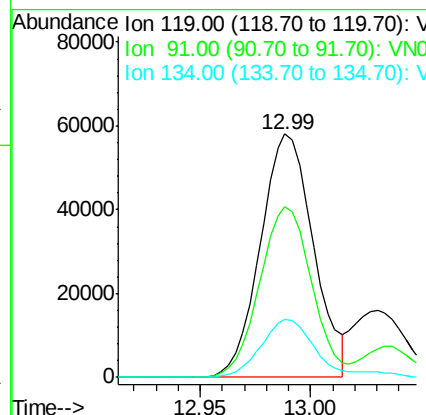
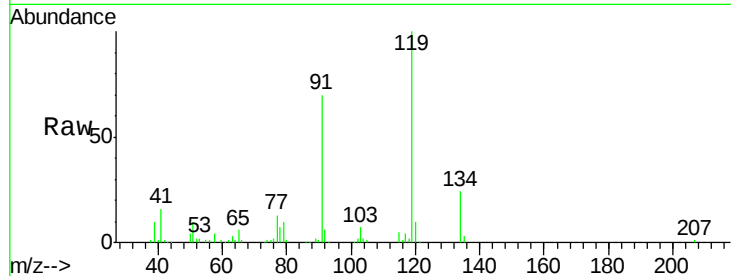
#83
 tert-Butylbenzene
 Concen: 19.495 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.0	101.8
134	25.2	12.7	38.0

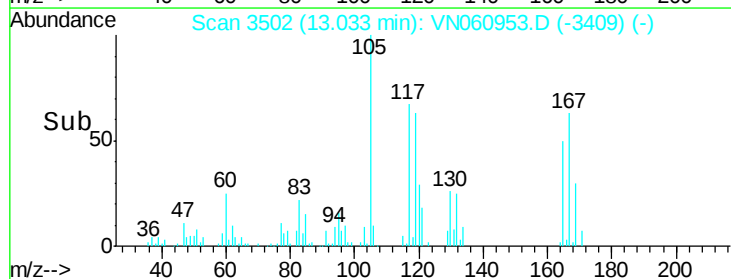
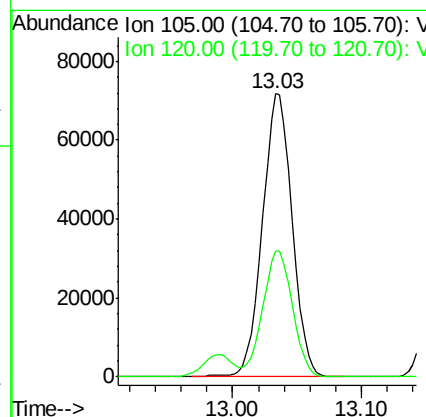
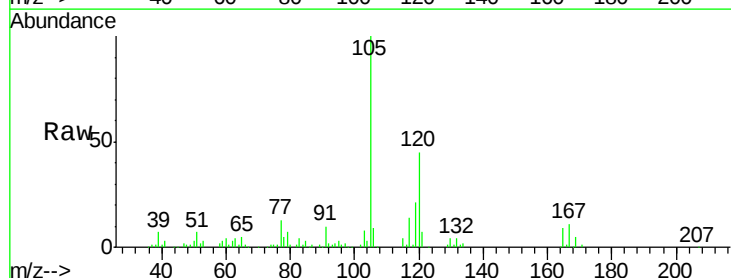
Manual Integrations
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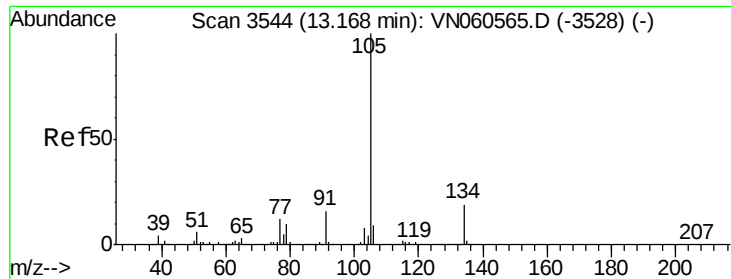
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.563 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.903 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion:105 Resp: 132388

Ion Ratio Lower Upper

105 100

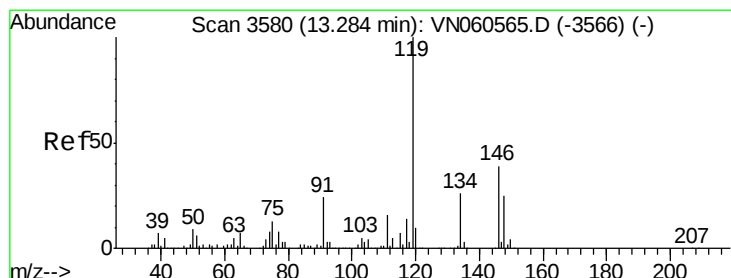
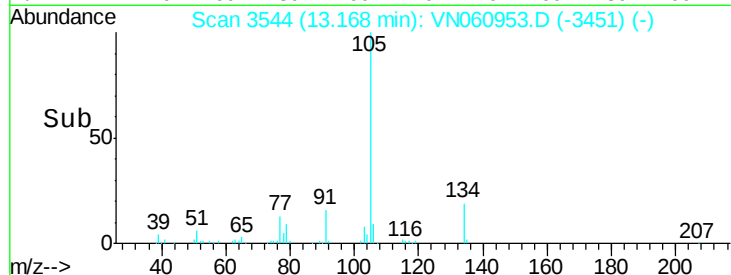
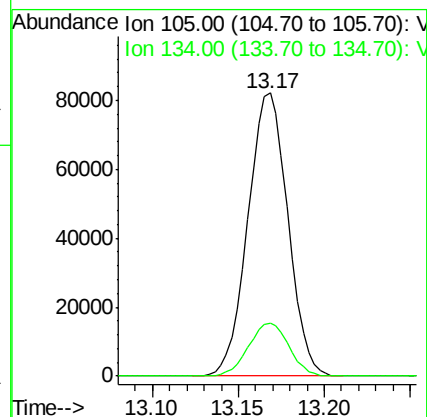
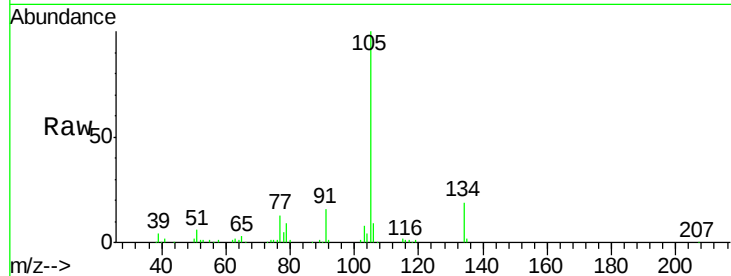
134 18.9 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.692 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060953.D

Acq: 15 Apr 2020 12:05

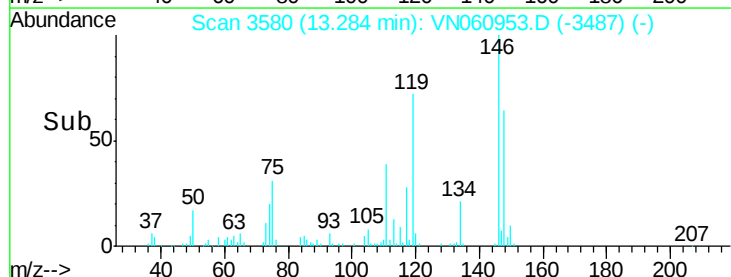
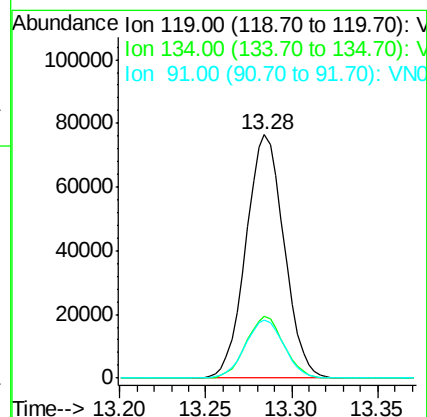
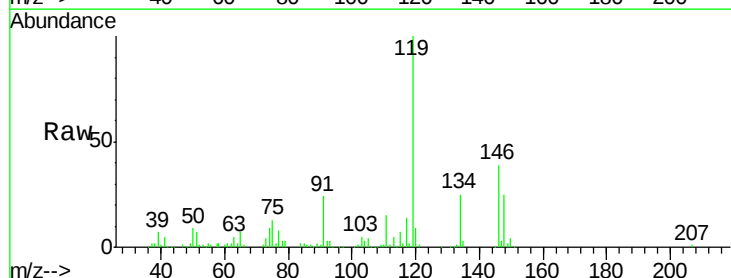
Tgt Ion:119 Resp: 117782

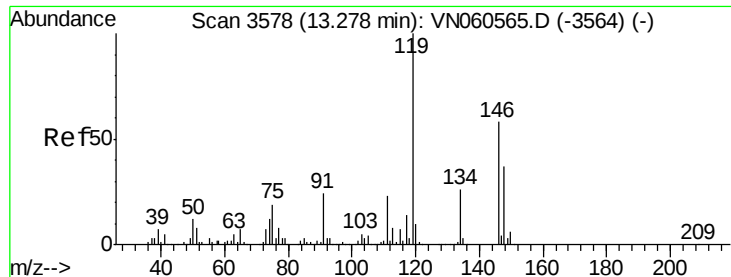
Ion Ratio Lower Upper

119 100

134 25.1 13.0 39.0

91 24.3 12.0 36.0





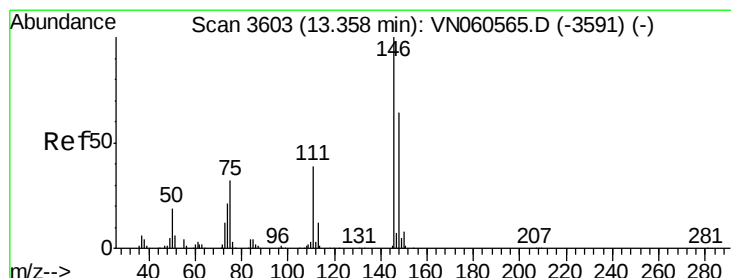
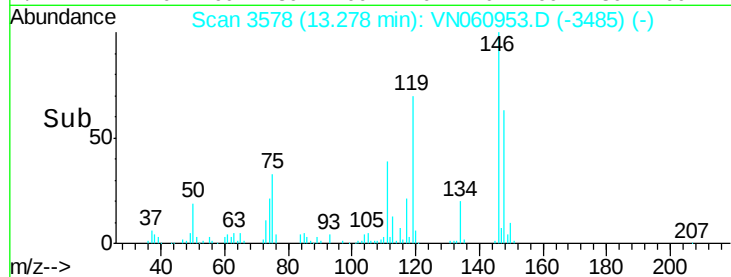
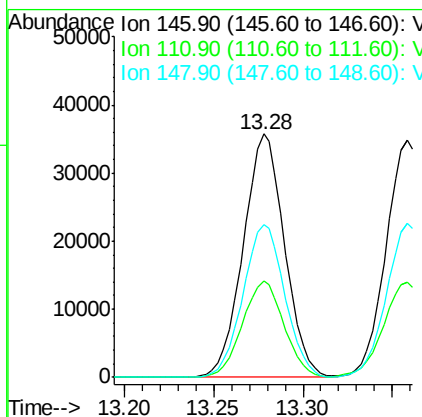
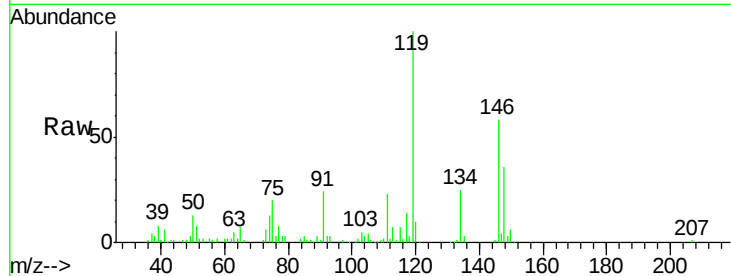
#87
 1,3-Dichlorobenzene
 Concen: 19.352 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.4	32.5	97.4

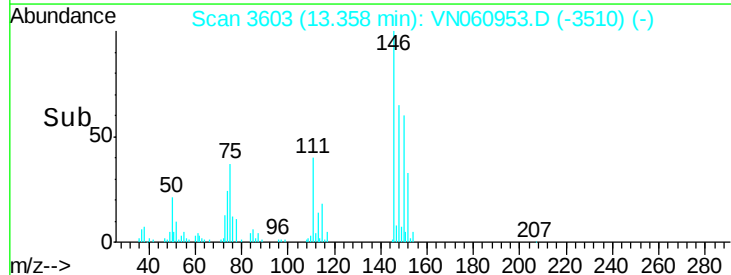
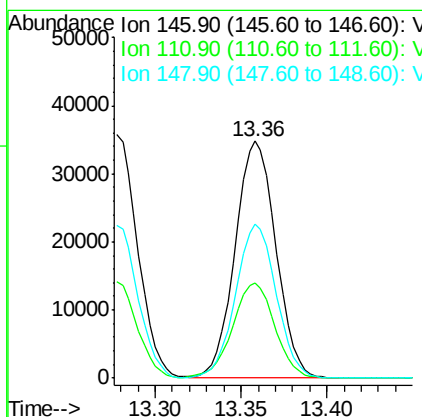
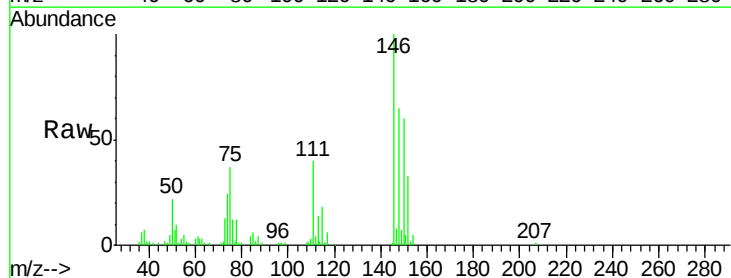
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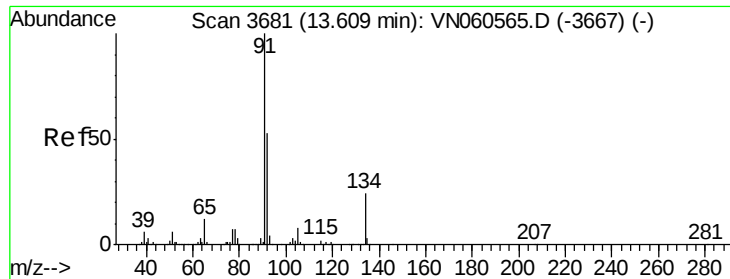
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#88
 1,4-Dichlorobenzene
 Concen: 19.168 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.6	58.7
148	64.8	32.1	96.3





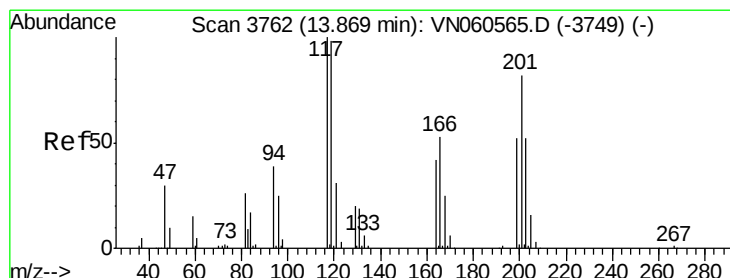
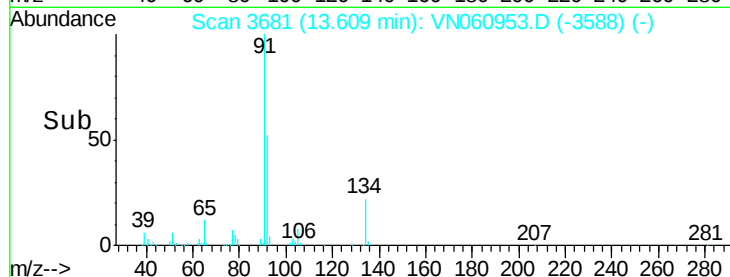
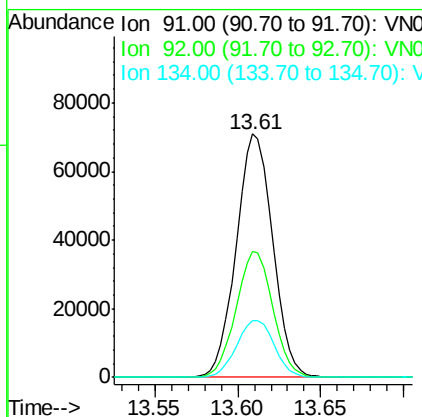
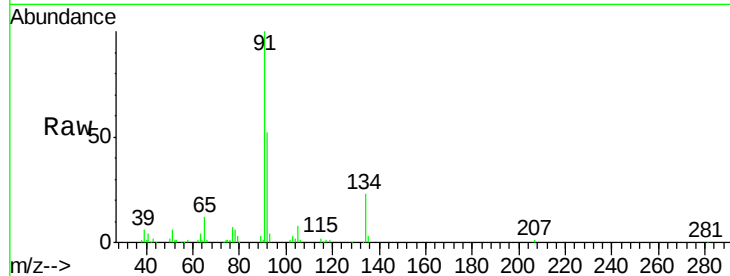
#89
n-Butylbenzene
Concen: 20.174 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	24.1	12.3	36.9

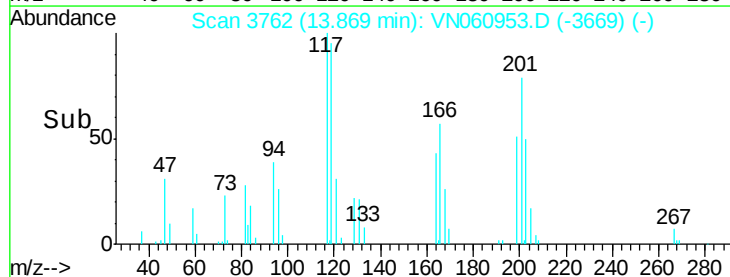
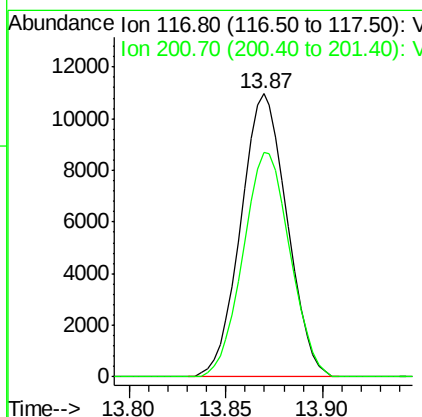
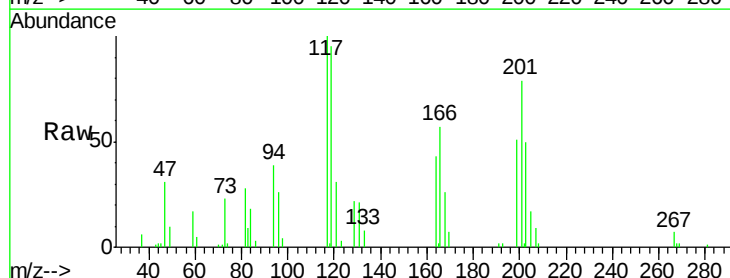
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#90
Hexachloroethane
Concen: 20.962 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	40.8	122.5





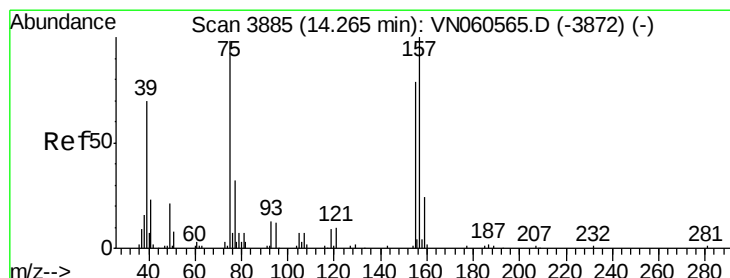
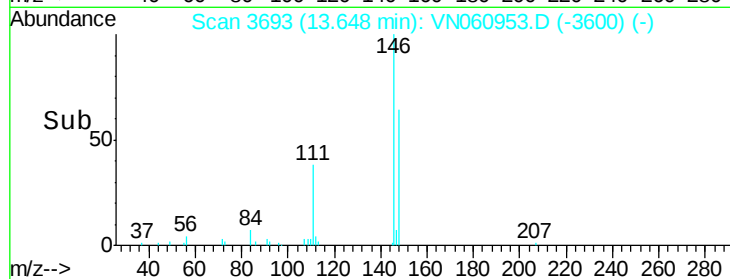
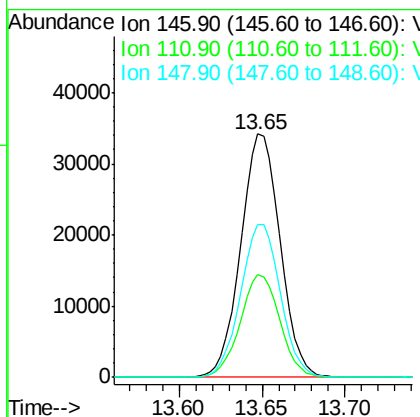
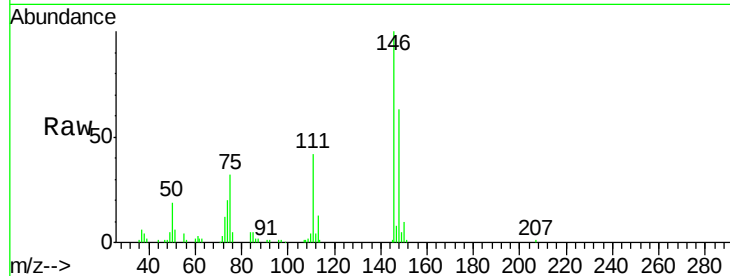
#91
 1,2-Dichlorobenzene
 Concen: 19.823 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	63.5	31.9	95.5

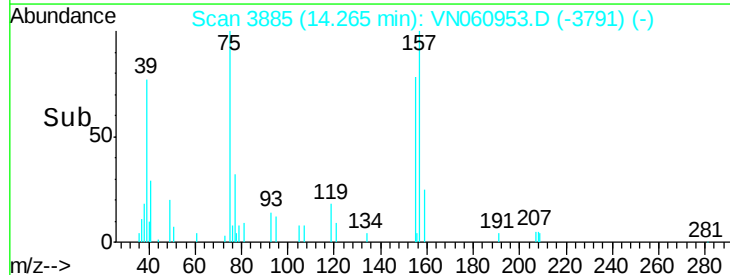
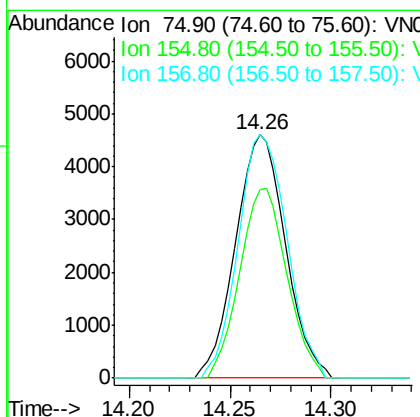
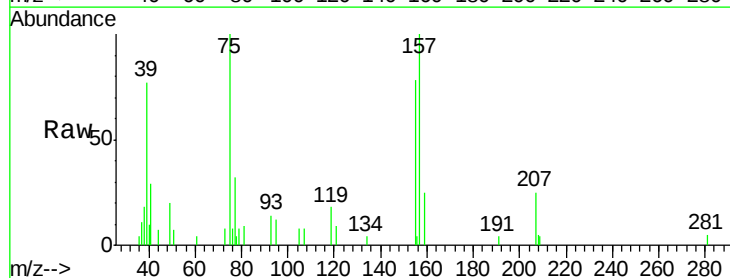
Manual Integrations
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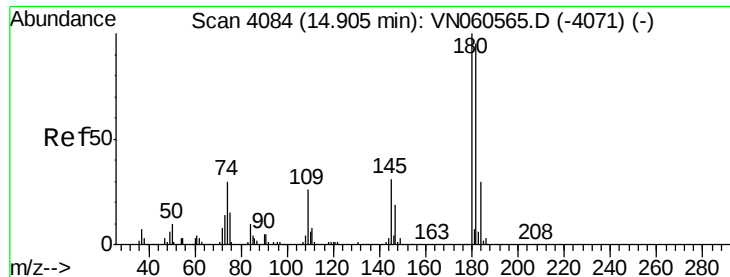
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.704 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	40.7	122.1
157	98.2	51.5	154.7





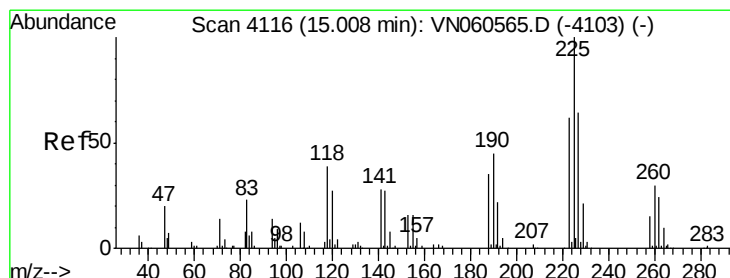
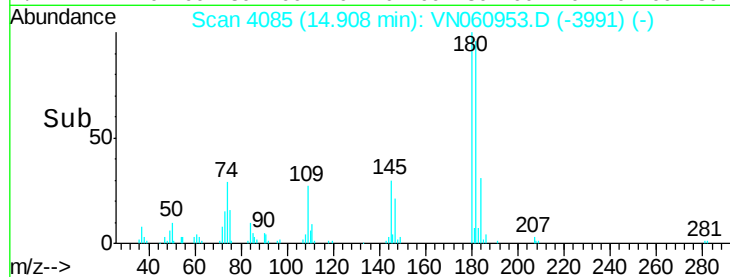
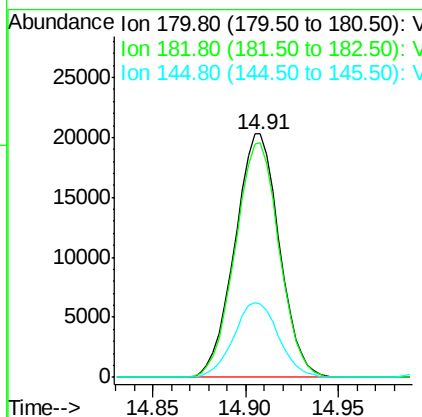
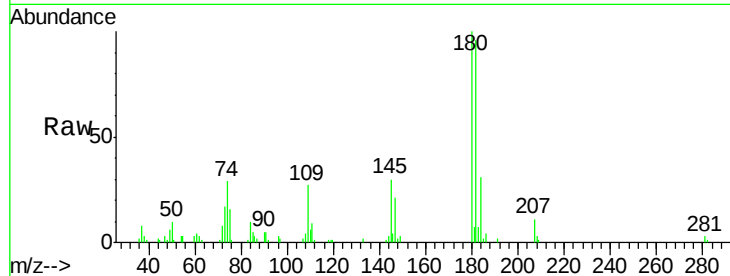
#93
 1,2,4-Trichlorobenzene
 Concen: 19.236 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.9	143.8	
145	31.0	15.4	46.2	

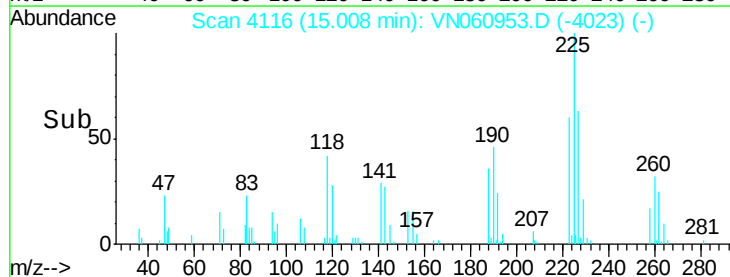
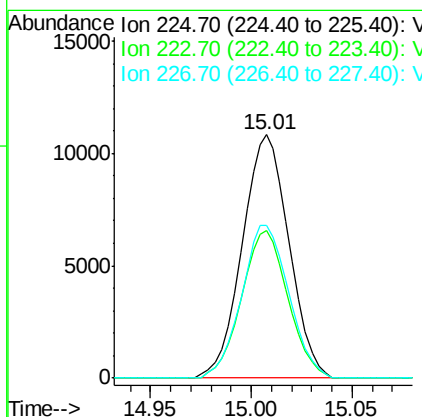
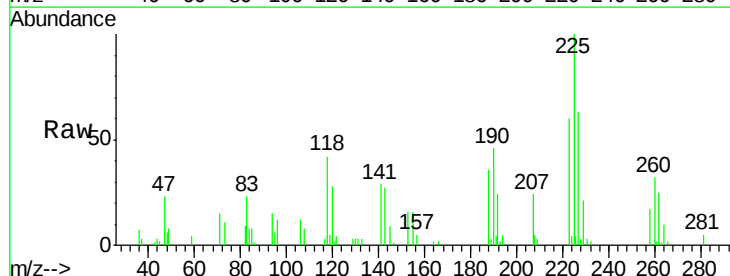
Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:57 AM



#94
 Hexachlorobutadiene
 Concen: 20.398 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060953.D
 Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.1	31.6	95.0	
227	63.2	32.3	96.8	





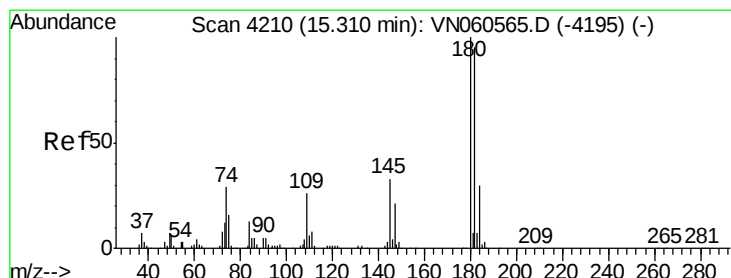
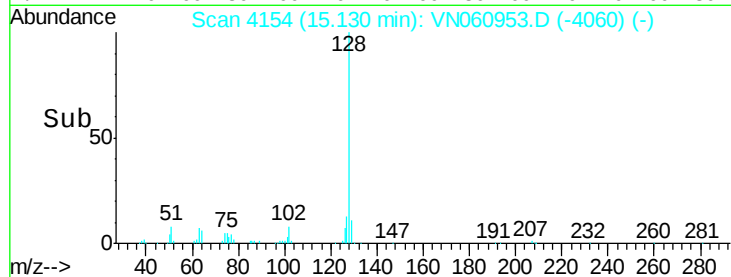
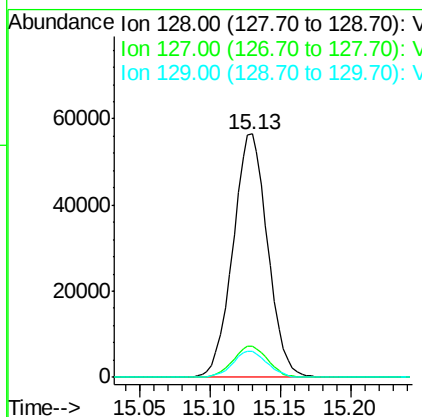
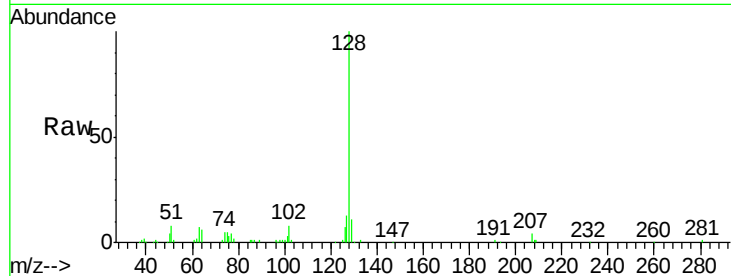
#95
Naphthalene
Concen: 18.412 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.141 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060953.D
Acq: 15 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.6
145	32.4	16.3	48.8

