

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060981.D
 Acq On : 15 Apr 2020 23:02
 Operator : JC/MD
 Sample : VN0415WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:26 AM

Quant Time: Apr 16 08:11:23 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	129817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	221694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	202818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	93416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	97142	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
35) Dibromofluoromethane	7.56	113	72023	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
50) Toluene-d8	10.08	98	277982	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.39	95	101968	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	19739	15.715	ug/l	100
3) Chloromethane	2.04	50	36883	15.722	ug/l	99
4) Vinyl Chloride	2.17	62	30326	16.527	ug/l	97
5) Bromomethane	2.55	94	16041	20.251	ug/l	100
6) Chloroethane	2.69	64	19287	18.247	ug/l	99
7) Trichlorofluoromethane	3.00	101	40963	18.122	ug/l	98
8) Diethyl Ether	3.38	74	17750	19.548	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	24323	18.571	ug/l	99
10) Methyl Iodide	3.93	142	17767	15.245	ug/l	99
11) Tert butyl alcohol	4.72	59	28892	110.237	ug/l	98
12) 1,1-Dichloroethene	3.72	96	24776	17.628	ug/l	99
13) Acrolein	3.58	56	22325	76.857	ug/l	99
14) Allyl chloride	4.29	41	47846	19.355	ug/l	94
15) Acrylonitrile	4.95	53	82148	106.589	ug/l	99
16) Acetone	3.78	43	66786	105.799	ug/l	98
17) Carbon Disulfide	4.03	76	65979	15.435	ug/l	99
18) Methyl Acetate	4.29	43	40066	22.549	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	94185	19.491	ug/l	95
20) Methylene Chloride	4.52	84	29314	18.877	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	26825	17.908	ug/l	95
22) Diisopropyl ether	5.91	45	110037	21.070	ug/l	99
23) Vinyl Acetate	5.86	43	440596	103.398	ug/l	98
24) 1,1-Dichloroethane	5.82	63	56323	19.783	ug/l	100
25) 2-Butanone	6.80	43	109973	107.661	ug/l	99
26) 2,2-Dichloropropane	6.79	77	41473	18.514	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	32302	18.976	ug/l	98
28) Bromochloromethane	7.17	49	29133	21.387	ug/l	97
29) Tetrahydrofuran	7.18	42	74706	103.366	ug/l	98
30) Chloroform	7.35	83	53957	19.769	ug/l	97
31) Cyclohexane	7.63	56	50797	17.698	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	45331	19.266	ug/l	99
36) 1,1-Dichloropropene	7.77	75	39757	18.520	ug/l	99
37) Ethyl Acetate	6.89	43	47552	20.501	ug/l	99
38) Carbon Tetrachloride	7.75	117	34739	18.056	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	44061	17.272	ug/l	95
40) Benzene	8.02	78	122633	18.924	ug/l	99
41) Methacrylonitrile	7.14	41	19342m	19.539	ug/l	
42) 1,2-Dichloroethane	8.10	62	42883	19.363	ug/l	98
43) Isopropyl Acetate	8.14	43	78444	20.506	ug/l	99
44) Trichloroethene	8.82	130	29617	18.130	ug/l	98
45) 1,2-Dichloropropane	9.10	63	34740	20.316	ug/l	100
46) Dibromomethane	9.19	93	20040	19.385	ug/l	98
47) Bromodichloromethane	9.38	83	41342	19.245	ug/l	99
48) Methyl methacrylate	9.18	41	33125	19.449	ug/l	98
49) 1,4-Dioxane	9.18	88	8935	441.363	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	230012	105.665	ug/l	99
52) Toluene	10.14	92	73161	18.694	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	47300	19.169	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	50794	18.764	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	29831	19.813	ug/l	98
56) Ethyl methacrylate	10.42	69	45526	19.392	ug/l	97
57) 1,3-Dichloropropane	10.70	76	52008	19.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	102500	87.846	ug/l	98
59) 2-Hexanone	10.74	43	163610	104.339	ug/l	100
60) Dibromochloromethane	10.89	129	29906	19.229	ug/l	100
61) 1,2-Dibromoethane	10.99	107	29406	19.423	ug/l	98
64) Tetrachloroethene	10.62	164	27451	17.200	ug/l	98
65) Chlorobenzene	11.42	112	75034	18.662	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	28274	19.422	ug/l	97
67) Ethyl Benzene	11.50	91	139590	18.669	ug/l	98
68) m/p-Xylenes	11.61	106	100314	36.104	ug/l	97
69) o-Xylene	11.94	106	48819	18.405	ug/l	96
70) Styrene	11.96	104	80300	18.511	ug/l	100
71) Bromoform	12.12	173	21207	18.619	ug/l #	100
73) Isopropylbenzene	12.24	105	132330	18.876	ug/l	100
74) N-amyl acetate	12.06	43	64531	19.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	43821	20.670	ug/l	98
76) 1,2,3-Trichloropropane	12.54	75	37937m	18.821	ug/l	
77) Bromobenzene	12.52	156	31506	18.650	ug/l	97
78) n-propylbenzene	12.58	91	156664	18.915	ug/l	99
79) 2-Chlorotoluene	12.67	91	92382	18.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	109240	18.362	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	14095	17.959	ug/l	99
82) 4-Chlorotoluene	12.77	91	95093	18.867	ug/l	100
83) tert-Butylbenzene	12.99	119	94474	19.156	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	110325	18.745	ug/l	100
85) sec-Butylbenzene	13.17	105	127131	19.170	ug/l	100
86) p-Isopropyltoluene	13.28	119	111559	18.707	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	56264	18.884	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	55354	18.492	ug/l	98
89) n-Butylbenzene	13.61	91	100778	18.718	ug/l	99
90) Hexachloroethane	13.87	117	17863	20.607	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	55041	19.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8429	18.815	ug/l	96

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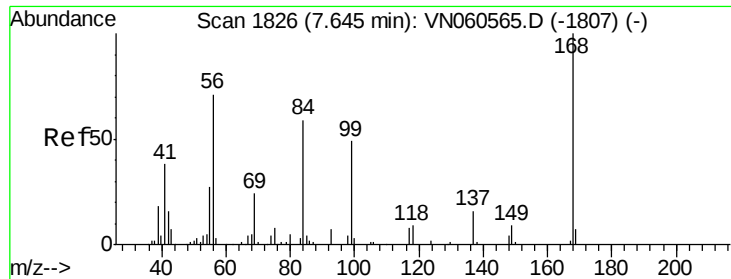
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	32948	18.833	ug/l	100
94) Hexachlorobutadiene	15.00	225	16650	19.414	ug/l	97
95) Naphthalene	15.13	128	98765	18.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33480	19.429	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

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ClientSampleId :

VN0415WBSD02

Tot Ion:168 Resp: 129817

Ion Ratio Lower Upper

168 100

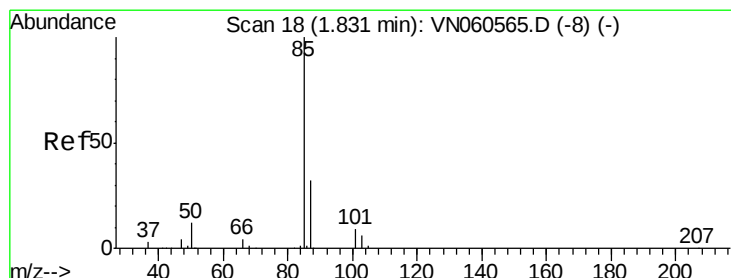
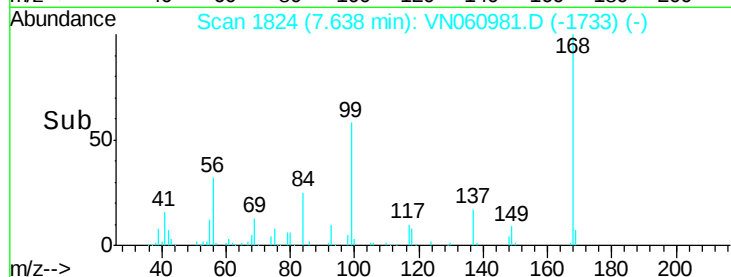
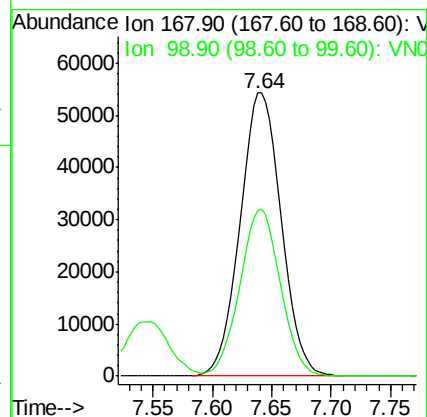
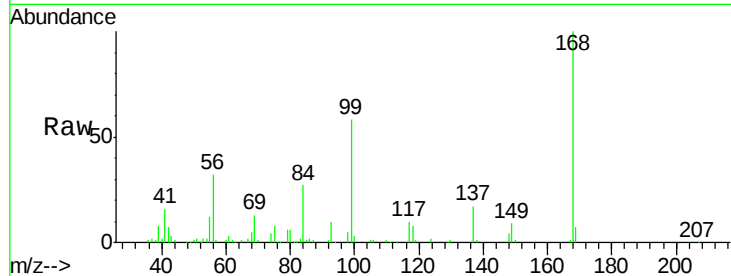
99 58.3 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.715 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060981.D

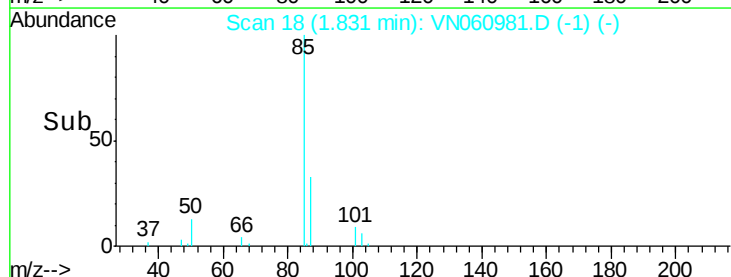
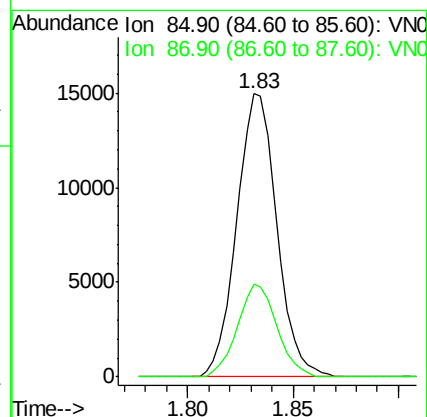
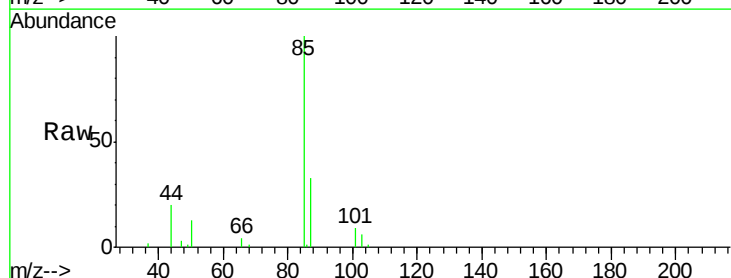
Acq: 15 Apr 2020 23:02

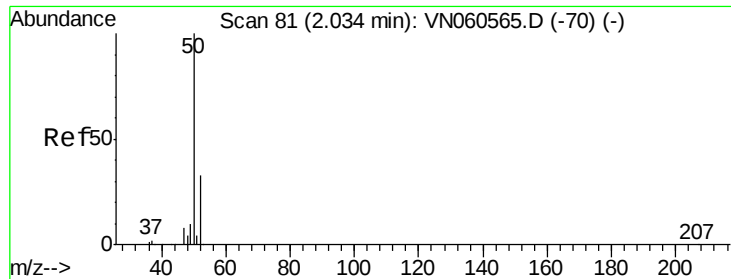
Tgt Ion: 85 Resp: 19739

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5





#3

Chloromethane

Concen: 15.722 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion: 50 Resp: 36883

Ion Ratio Lower Upper

50 100

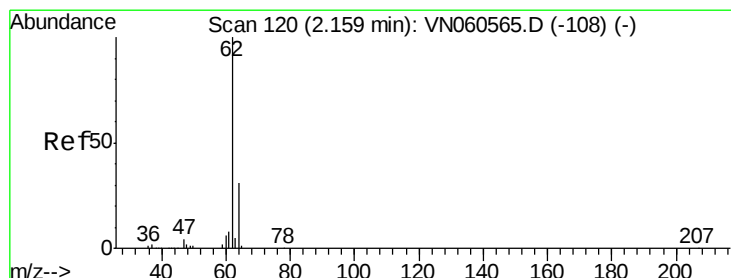
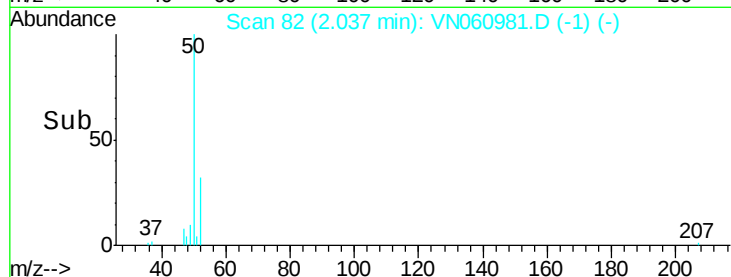
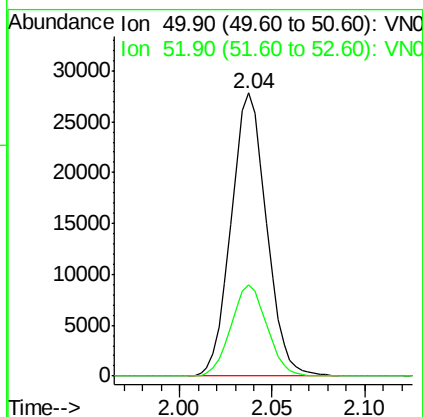
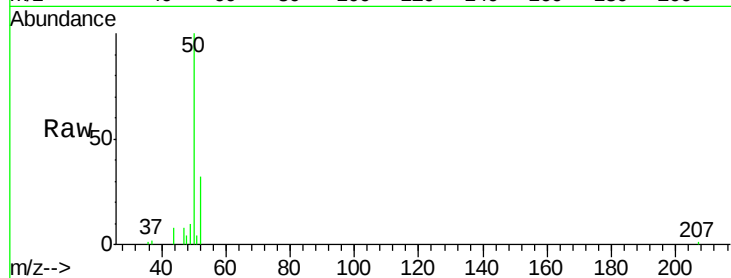
52 32.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.527 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060981.D

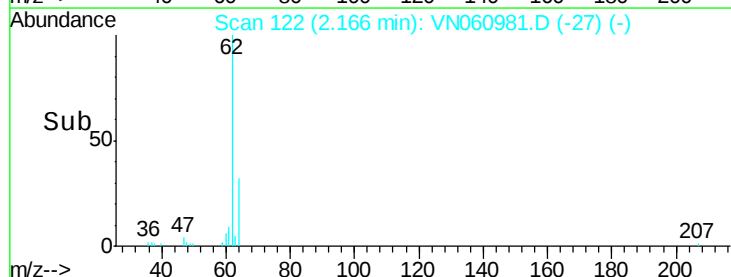
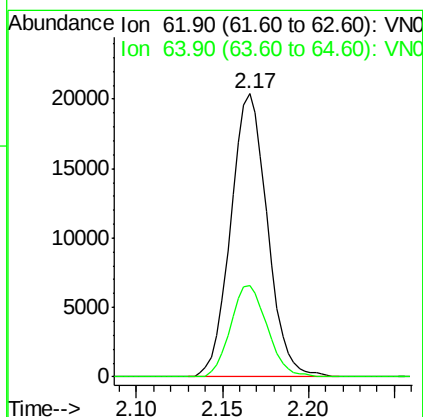
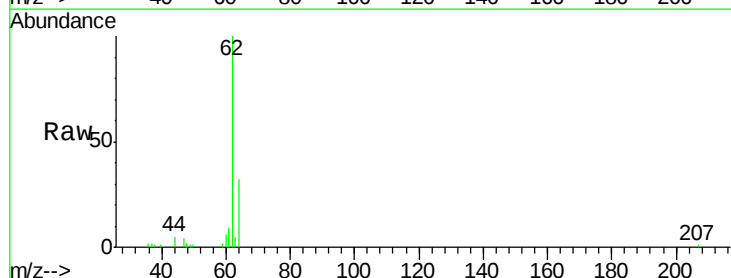
Acq: 15 Apr 2020 23:02

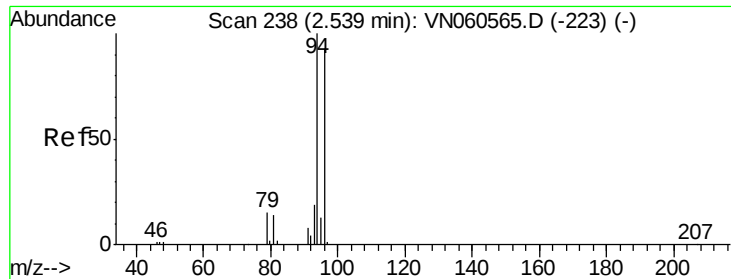
Tgt Ion: 62 Resp: 30326

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 20.251 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

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Tot Ion: 94 Resp: 16041

Ion Ratio Lower Upper

94 100

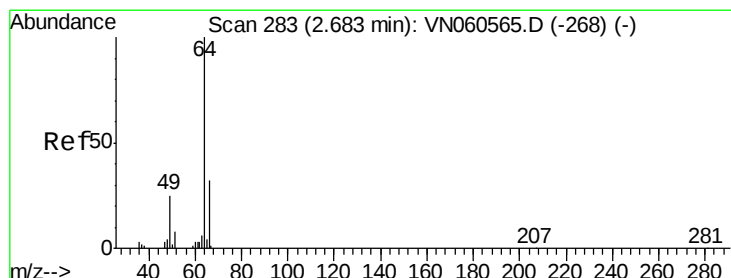
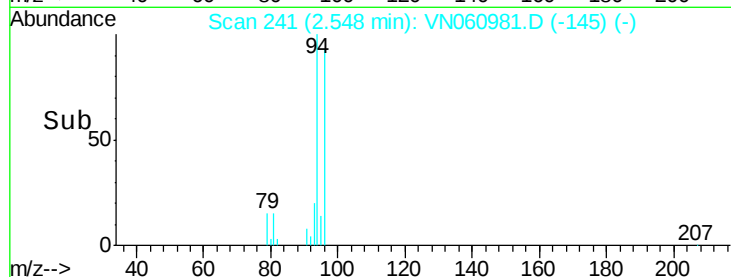
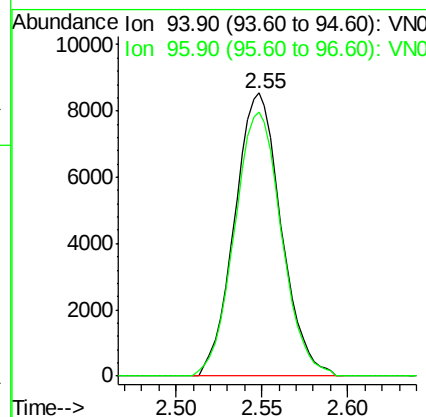
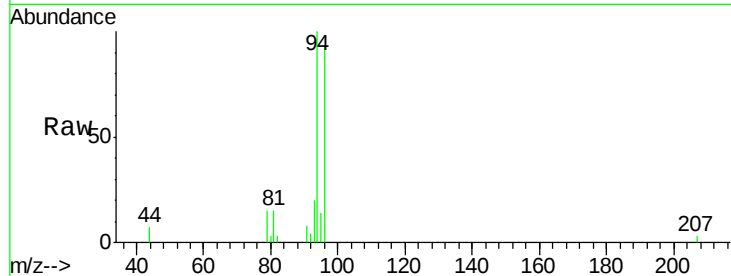
96 93.5 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 18.247 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060981.D

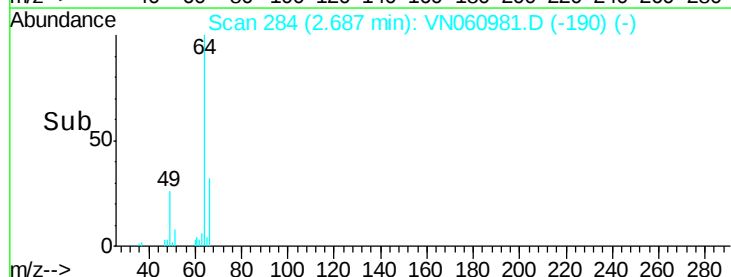
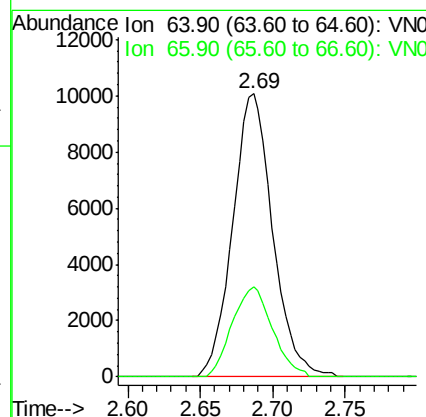
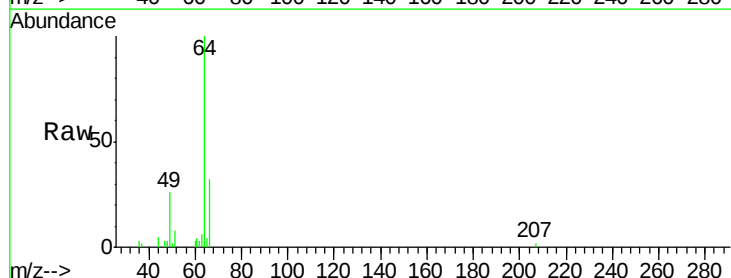
Acq: 15 Apr 2020 23:02

Tgt Ion: 64 Resp: 19287

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

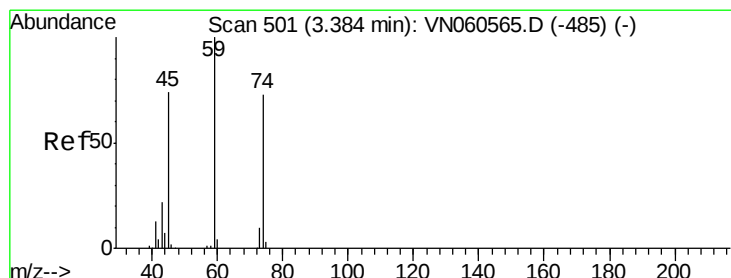
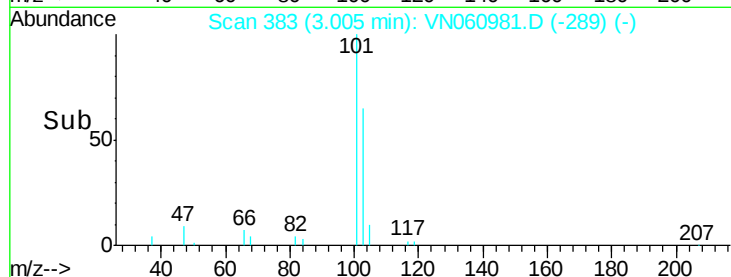
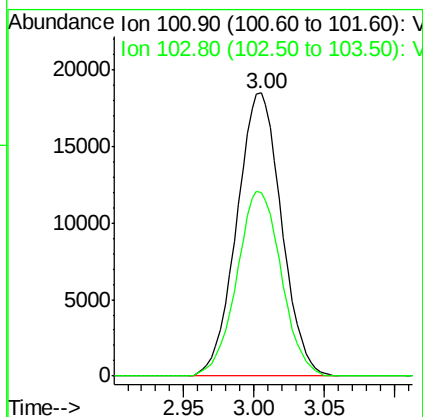
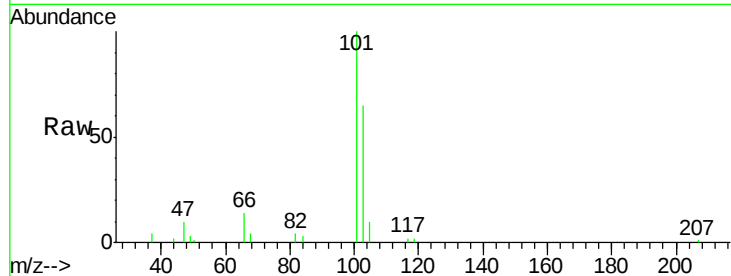
Trichlorofluoromethane
 Concen: 18.122 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.6	76.0

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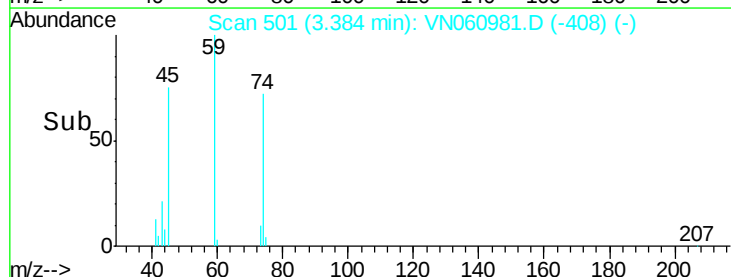
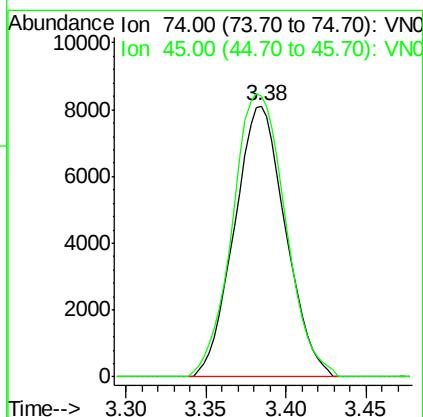
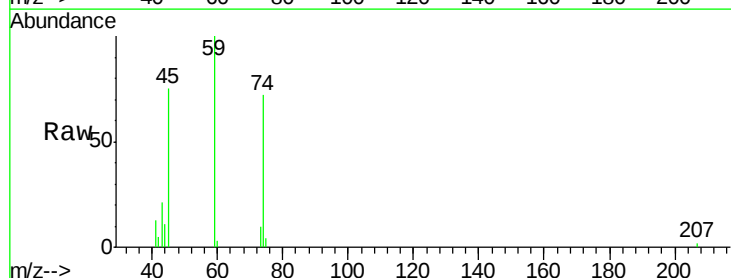
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#8

Diethyl Ether
 Concen: 19.548 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.6	51.3	153.9





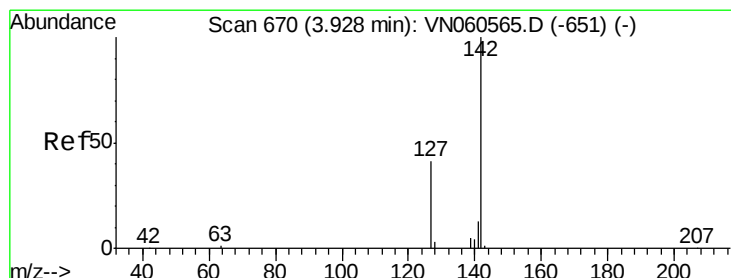
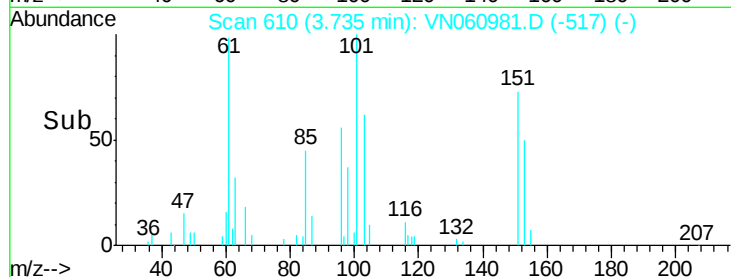
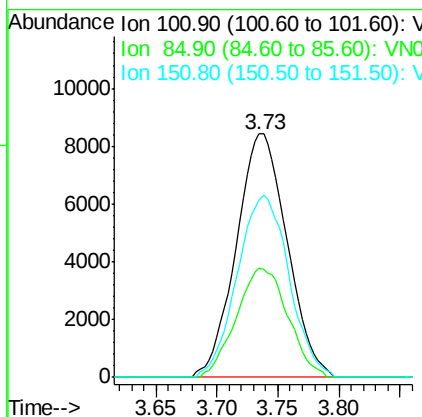
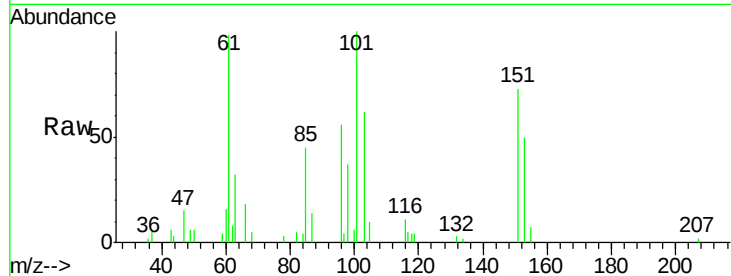
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.571 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.6	53.4
151	76.2	61.4	92.2

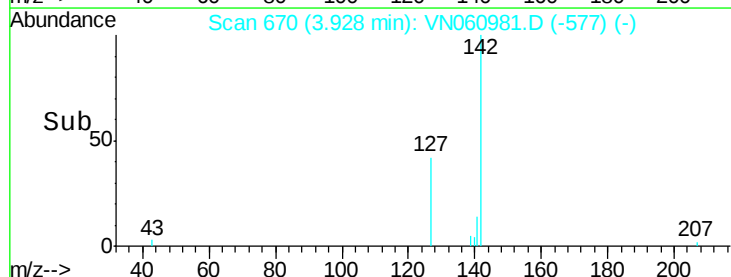
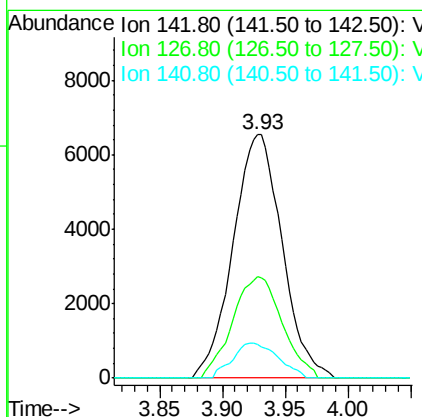
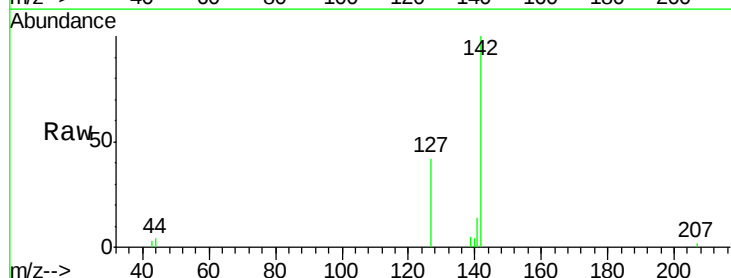
Manual Integrations
 APPROVED

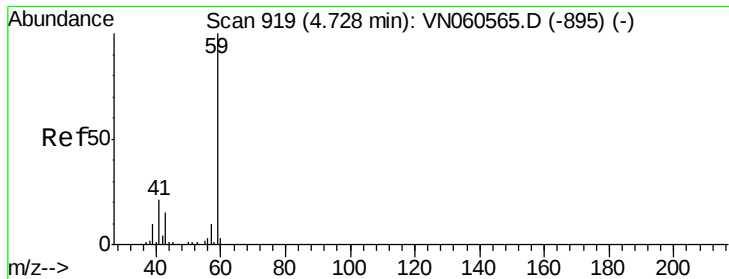
MMDadoda
 4/16/2020 11:15:26 AM



#10
 Methyl Iodide
 Concen: 15.245 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	33.5	50.3
141	13.4	11.0	16.6





#11

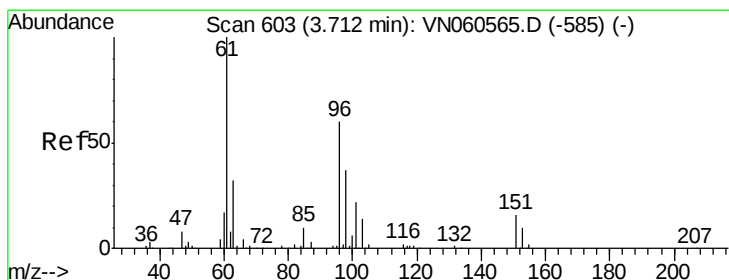
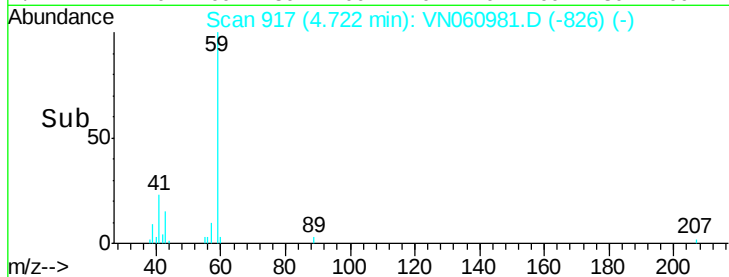
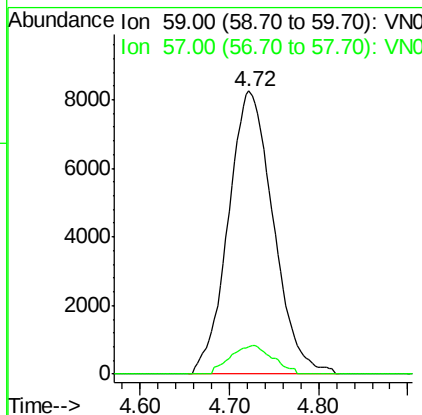
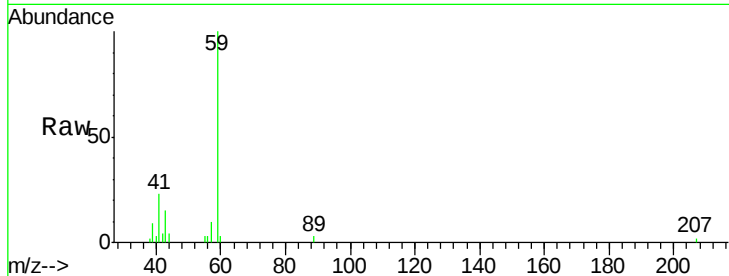
Tert butyl alcohol
Concen: 110.237 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	28892		
57	9.5		8.2	12.4

Manual Integrations
APPROVED

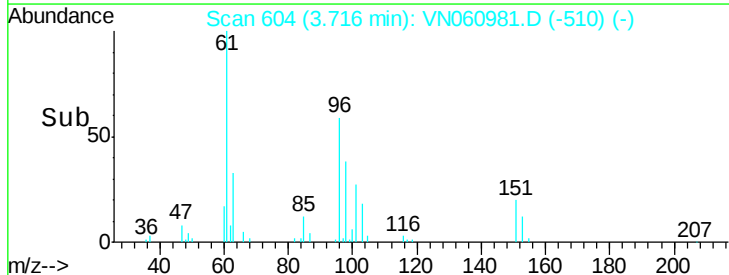
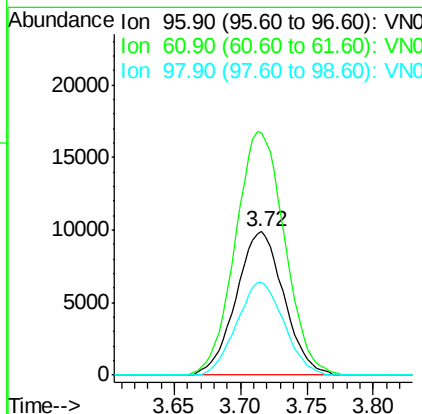
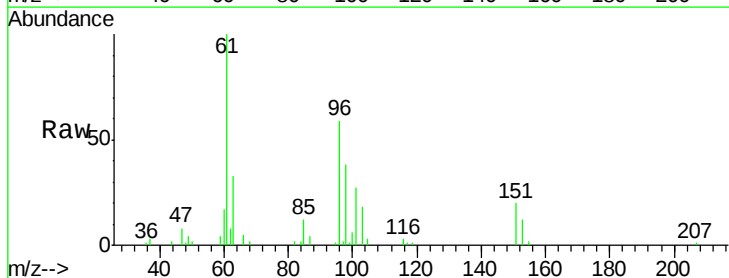
MMDadoda
4/16/2020 11:15:26 AM

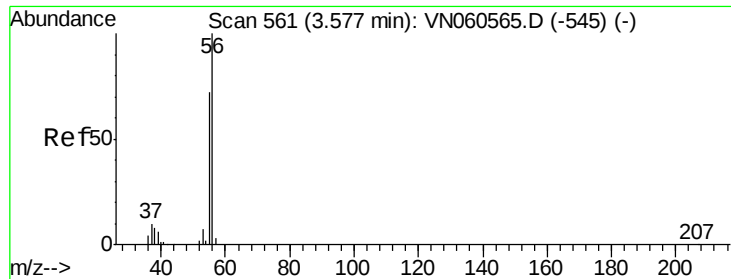


#12

1,1-Dichloroethene
Concen: 17.628 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	24776		
61	168.6		134.1	201.1
98	64.5		49.9	74.9





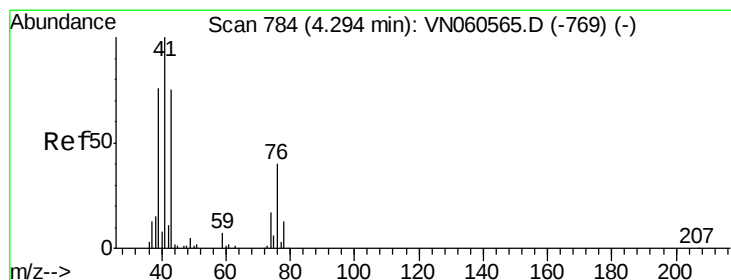
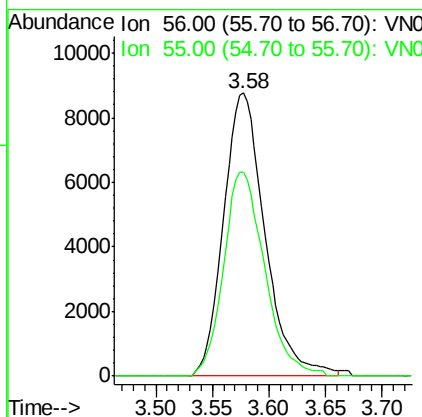
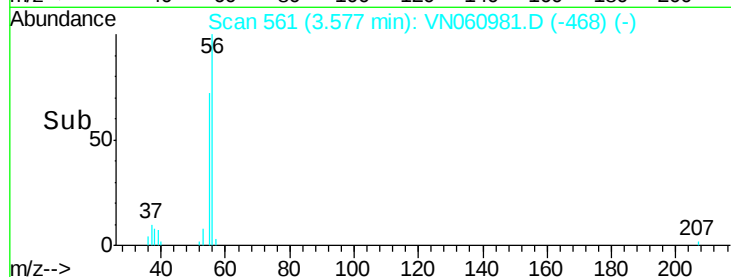
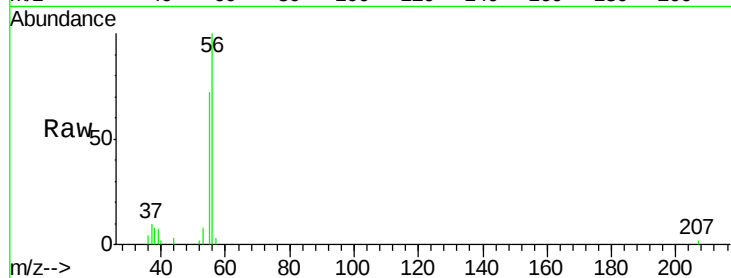
#13
Acrolein
Concen: 76.857 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	56	Resp	22325
Ion Ratio	100	Lower	Upper
56	100		
55	71.6	56.7	85.1

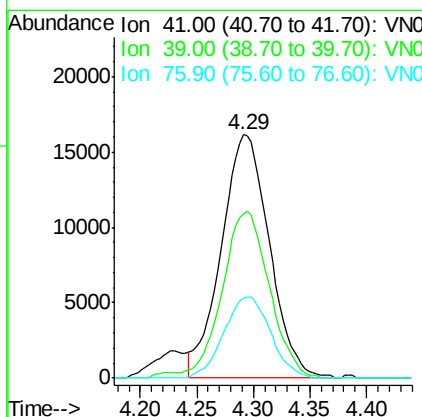
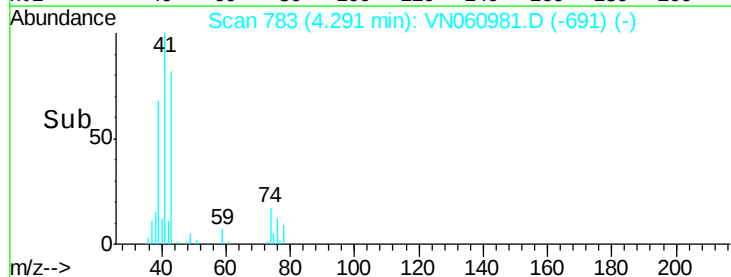
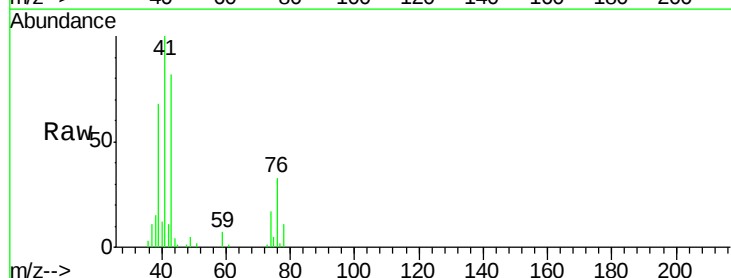
Manual Integrations
APPROVED

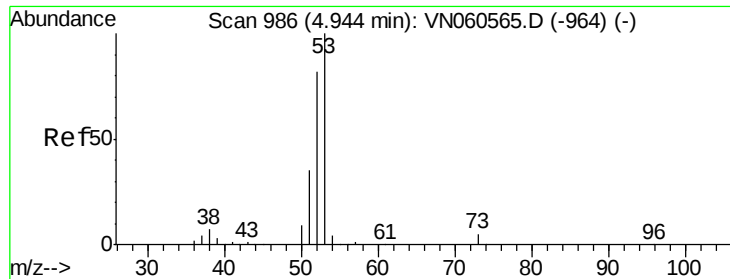
MMDadoda
4/16/2020 11:15:26 AM



#14
Allyl chloride
Concen: 19.355 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	41	Resp	47846
Ion Ratio	100	Lower	Upper
41	100		
39	67.0	57.8	86.8
76	32.3	28.6	43.0





#15

Acrylonitrile

Concen: 106.589 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

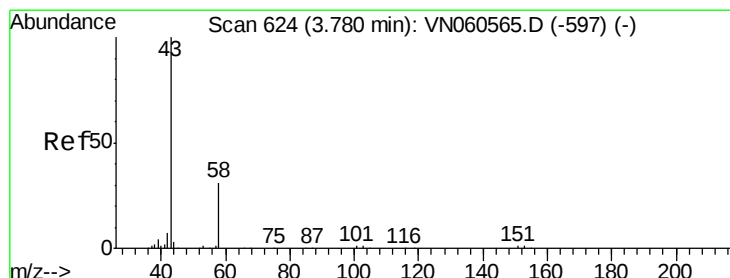
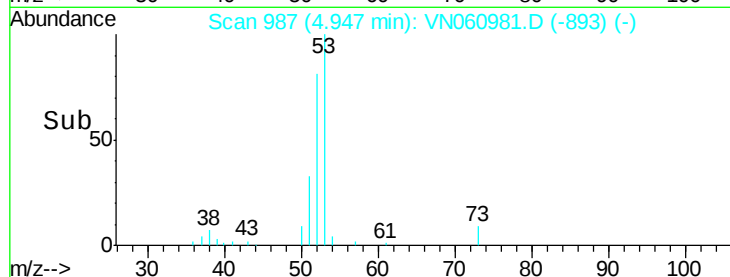
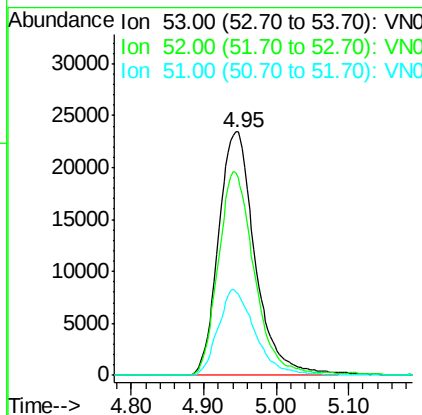
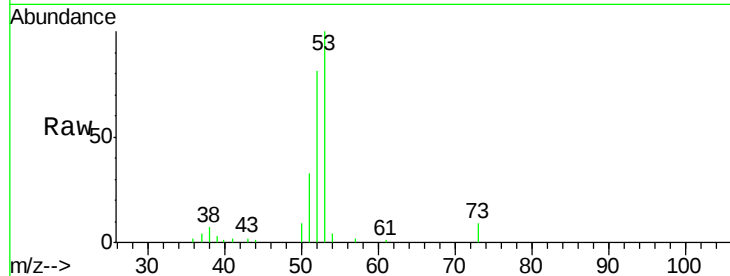
ClientSampleId :

VN0415WBSD02

Tot Ion:	53	Resp:	82148
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.4
51	35.2	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:26 AM



#16

Acetone

Concen: 105.799 ug/l

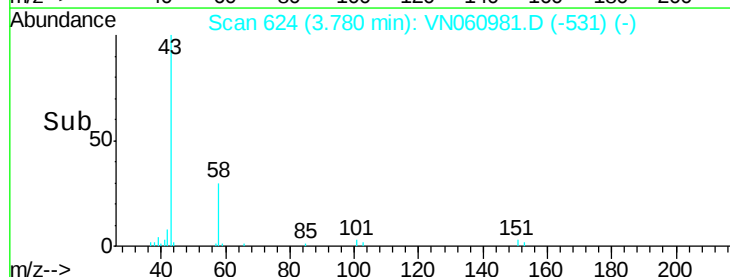
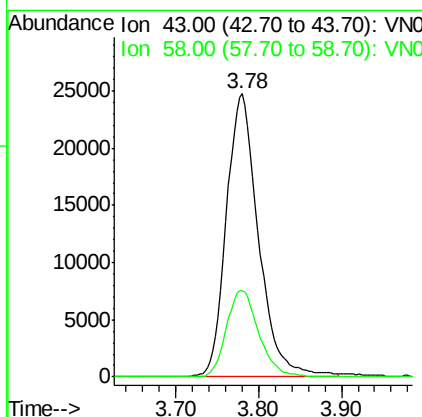
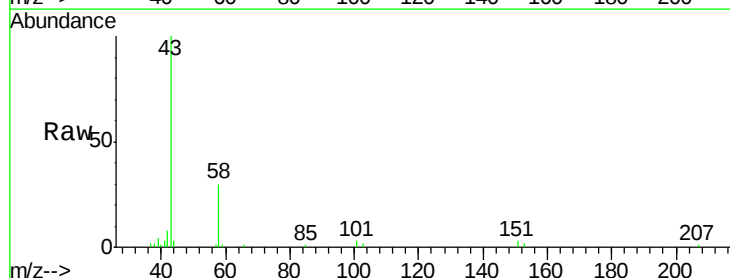
RT: 3.78 min Scan# 624

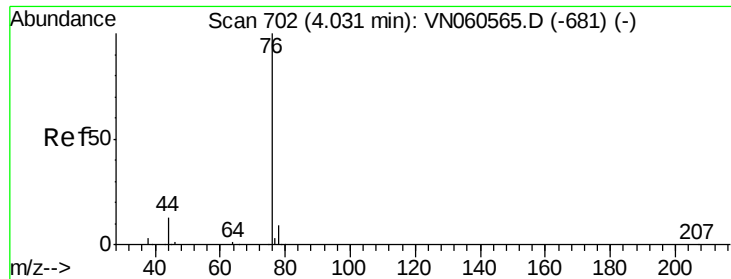
Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion:	43	Resp:	66786
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.1	37.7





#17

Carbon Disulfide

Concen: 15.435 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion: 76 Resp: 65979

Ion Ratio Lower Upper

76 100

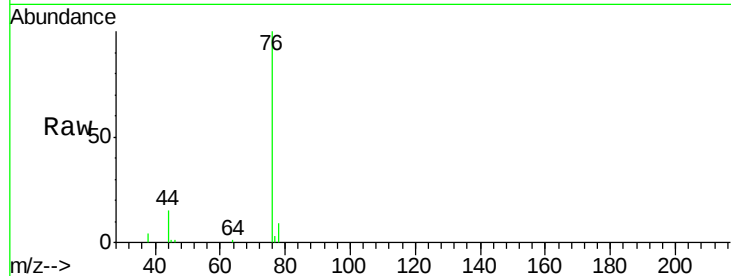
78 8.6 7.2 10.8

Manual Integrations

APPROVED

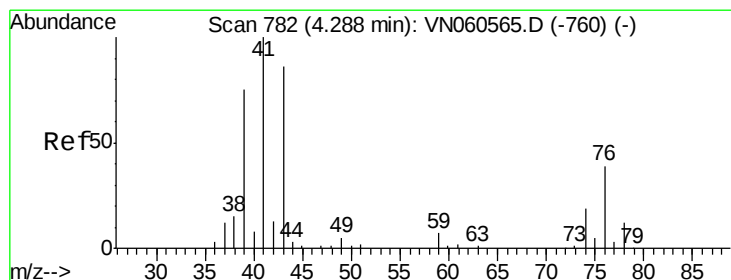
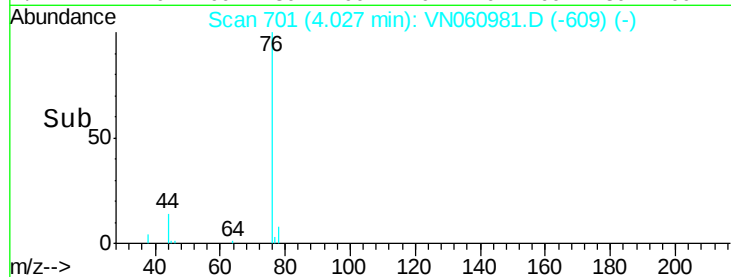
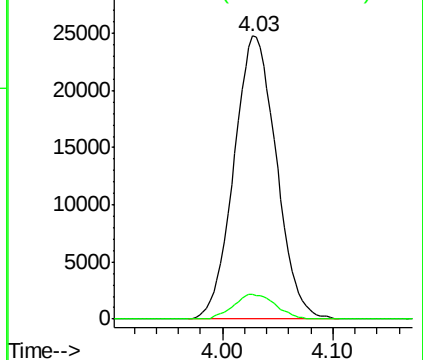
MMDadoda

4/16/2020 11:15:26 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.549 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060981.D

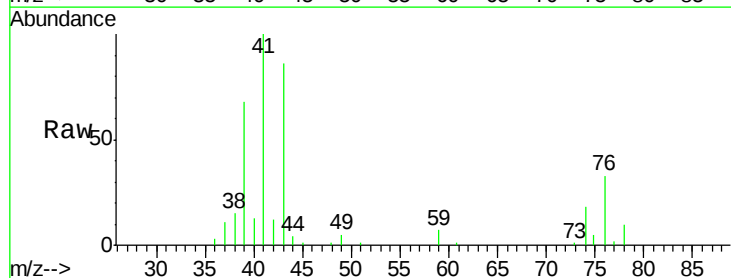
Acq: 15 Apr 2020 23:02

Tgt Ion: 43 Resp: 40066

Ion Ratio Lower Upper

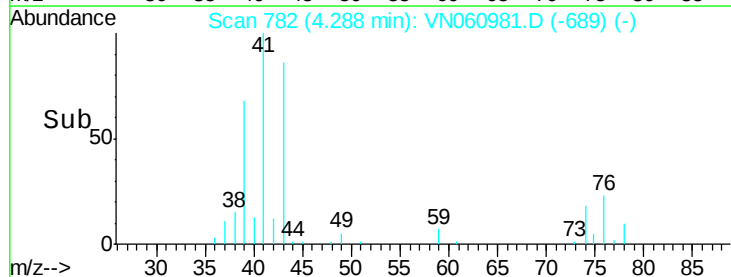
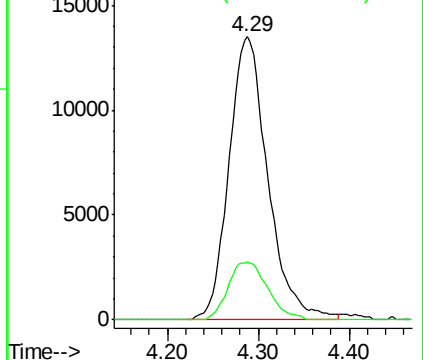
43 100

74 20.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





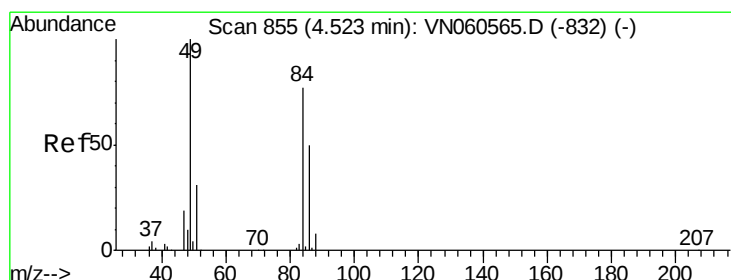
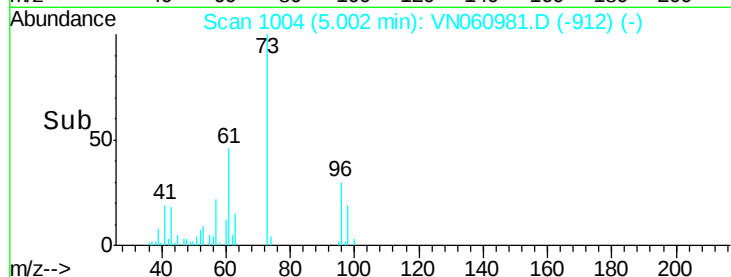
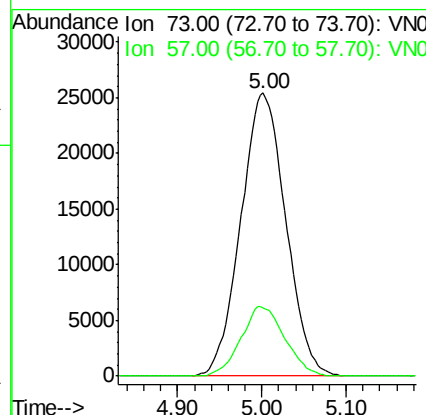
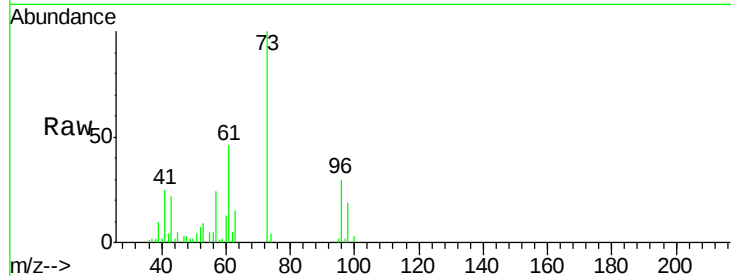
#19
Methyl tert-butyl Ether
Concen: 19.491 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion: 73 Resp: 94185
Ion Ratio Lower Upper
73 100
57 24.2 17.5 26.3

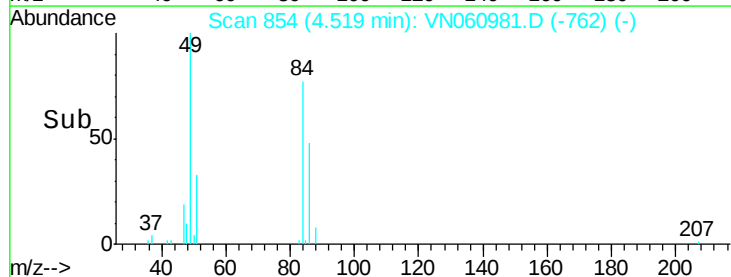
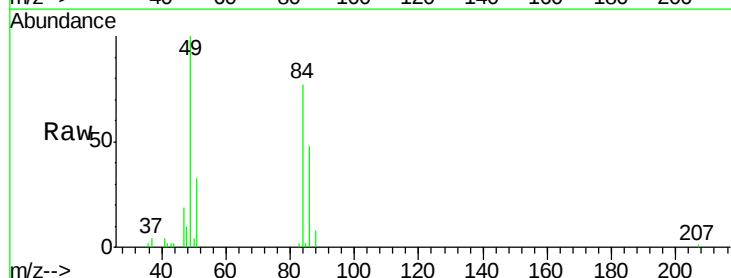
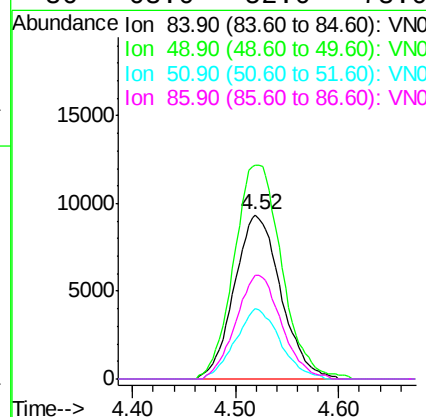
Manual Integrations
APPROVED

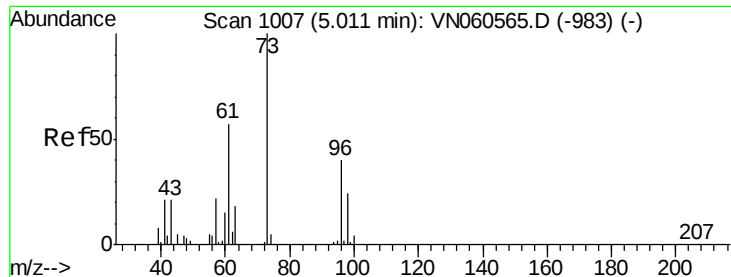
MMDadoda
4/16/2020 11:15:26 AM



#20
Methylene Chloride
Concen: 18.877 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 84 Resp: 29314
Ion Ratio Lower Upper
84 100
49 130.1 103.3 154.9
51 43.1 31.6 47.4
86 63.0 52.0 78.0





#21

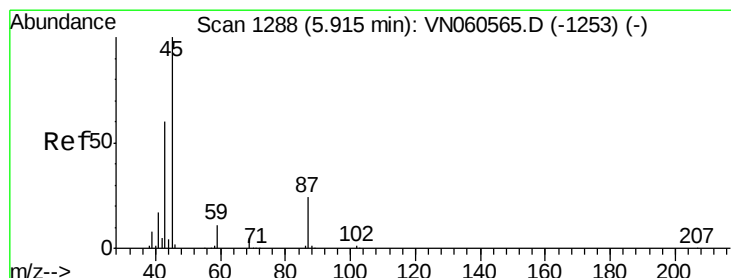
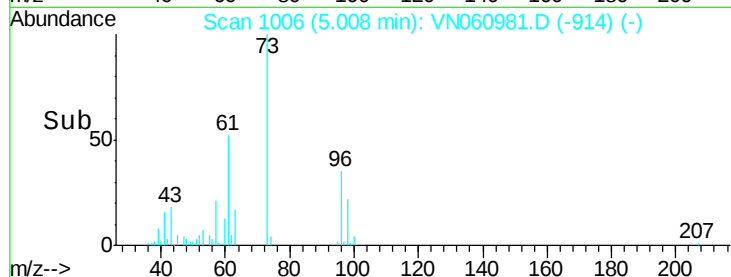
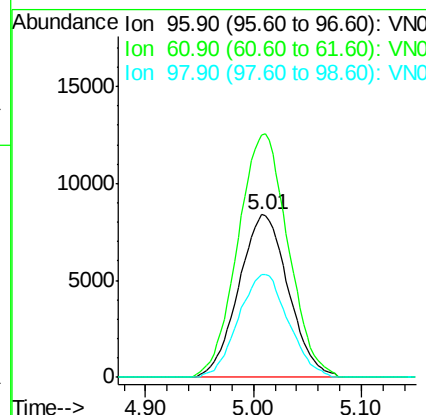
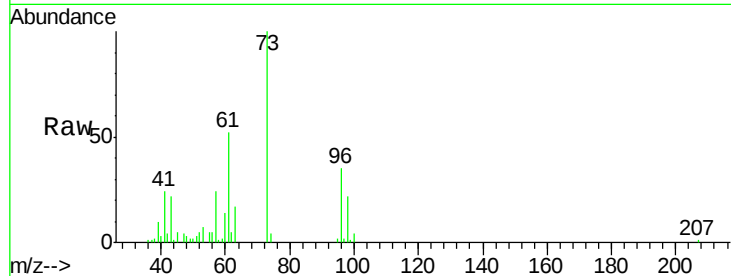
trans-1,2-Dichloroethene
Concen: 17.908 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	114.4	171.6
98	63.3	48.4	72.6

Manual Integrations
APPROVED

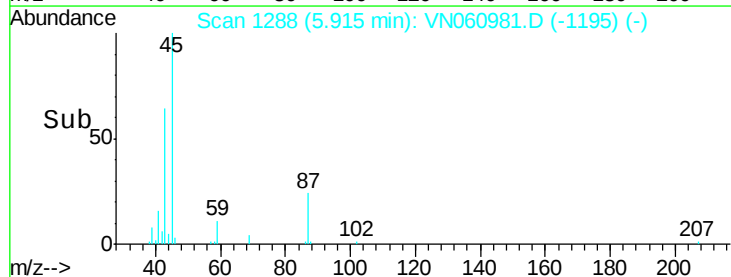
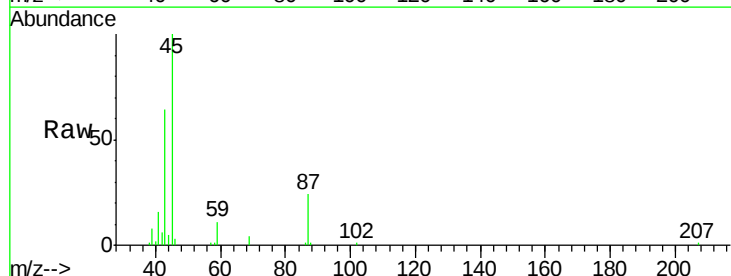
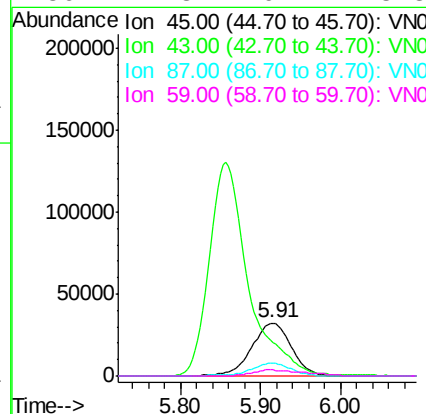
MMDadoda
4/16/2020 11:15:26 AM

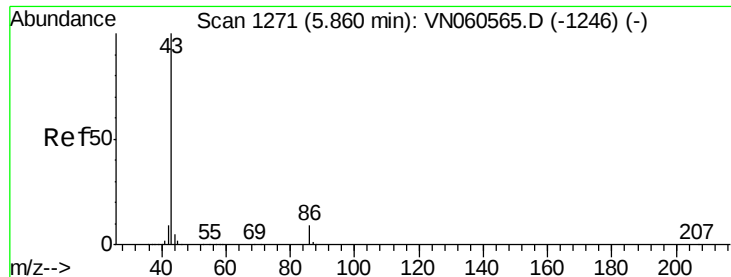


#22

Diisopropyl ether
Concen: 21.070 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	49.8	74.8
87	24.2	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 103.398 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion: 43 Resp: 440596

Ion Ratio Lower Upper

43 100

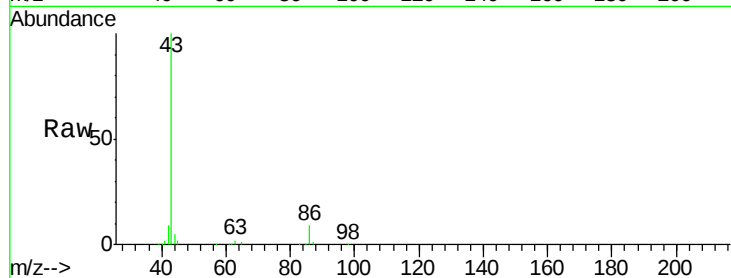
86 8.8 7.6 11.4

Manual Integrations

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4/16/2020 11:15:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

150000

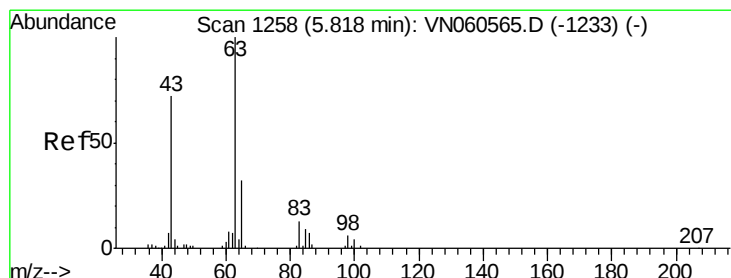
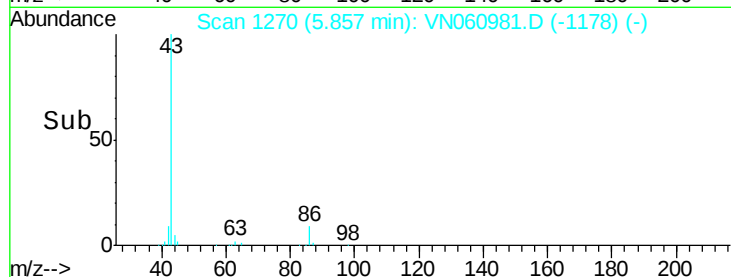
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.783 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

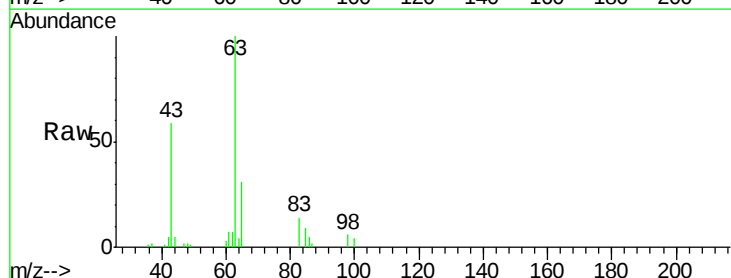
Tgt Ion: 63 Resp: 56323

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

100 4.0 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

20000

15000

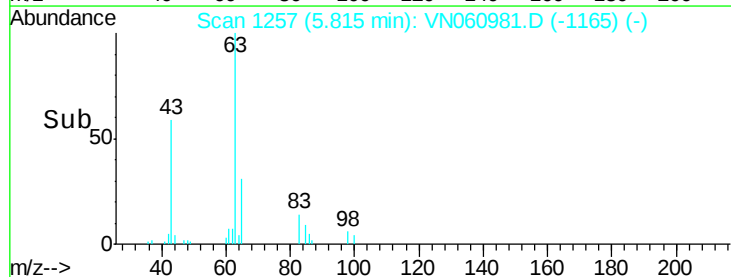
10000

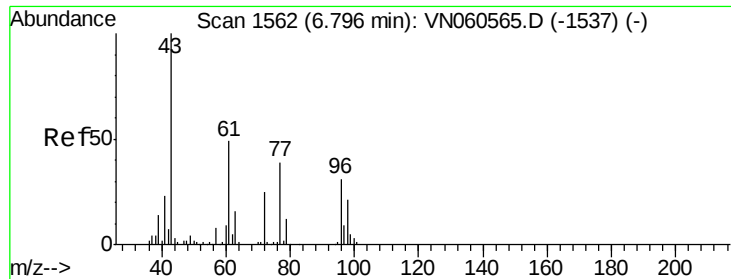
5000

0

5.70 5.80 5.90

Time-->





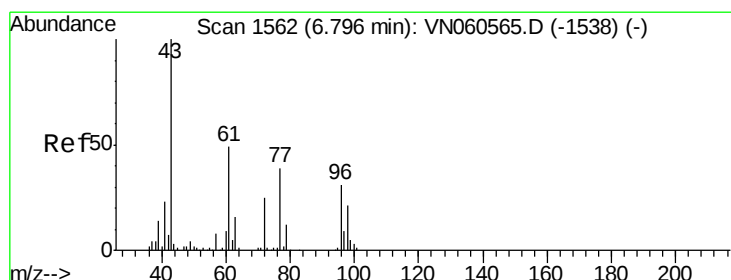
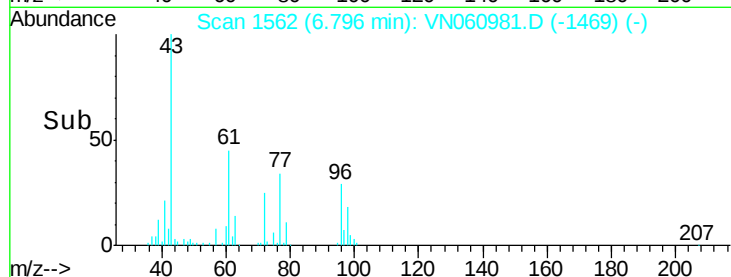
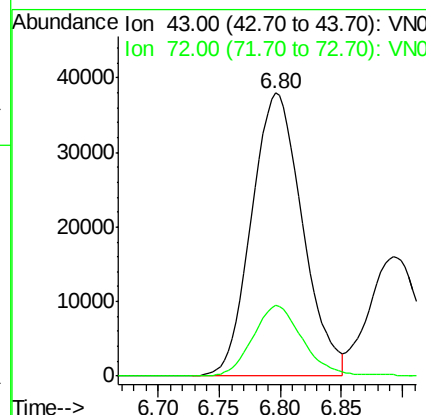
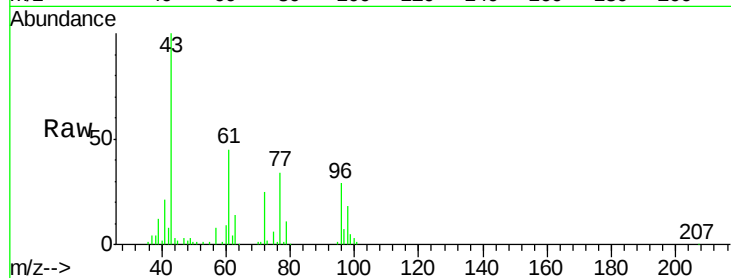
#25
2-Butanone
Concen: 107.661 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion: 43 Resp: 109973
Ion Ratio Lower Upper
43 100
72 24.9 20.4 30.6

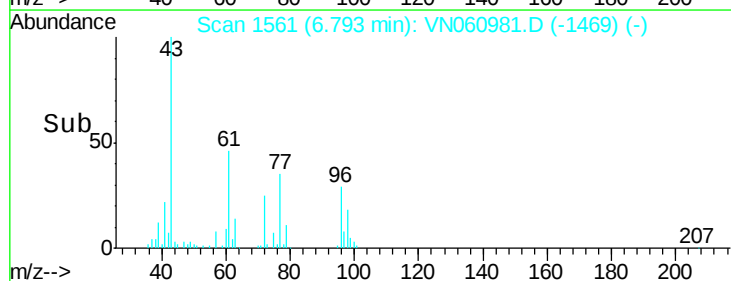
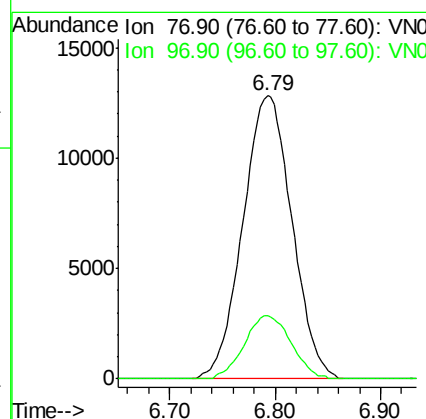
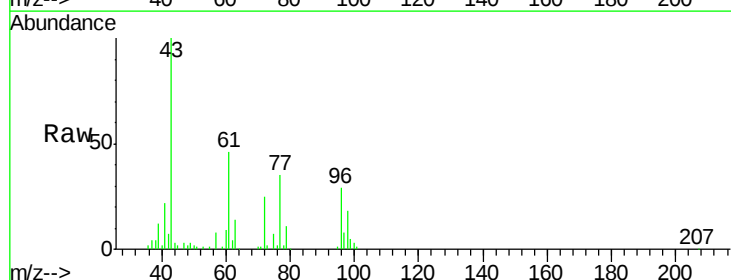
Manual Integrations
APPROVED

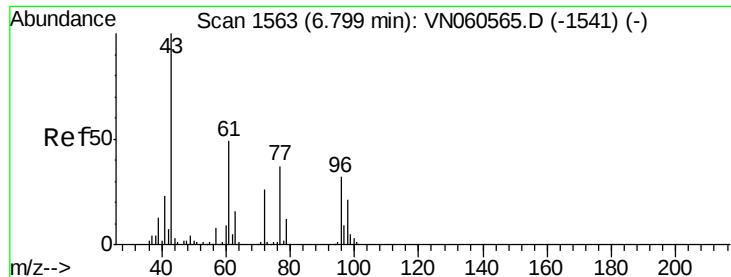
MMDadoda
4/16/2020 11:15:26 AM



#26
2,2-Dichloropropane
Concen: 18.514 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 77 Resp: 41473
Ion Ratio Lower Upper
77 100
97 21.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.976 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060981.D

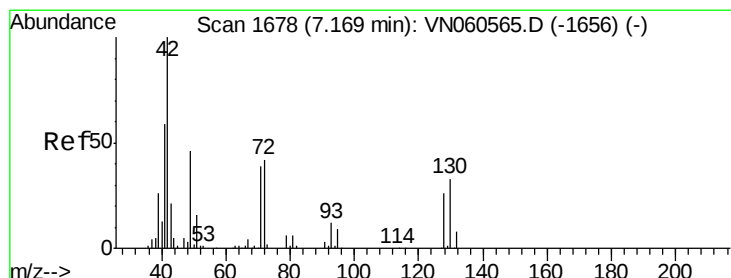
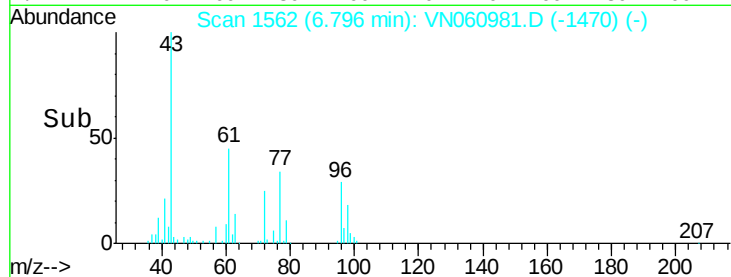
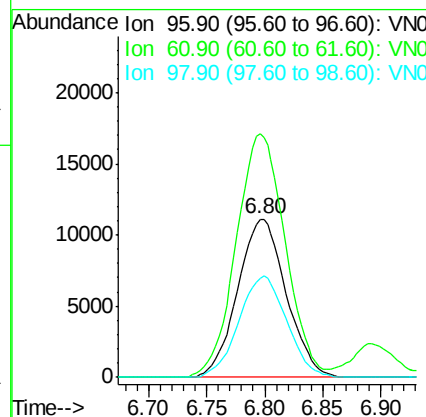
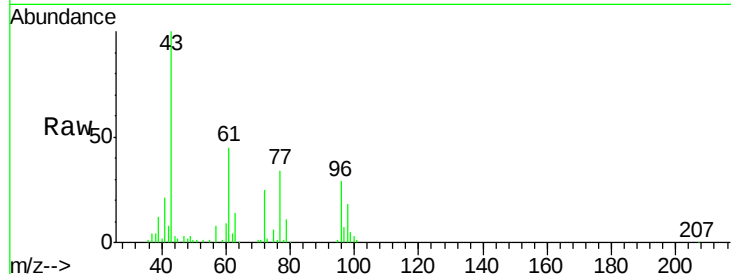
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	305.6
98	63.1	0.0	127.6

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#28

Bromochloromethane

Concen: 21.387 ug/l

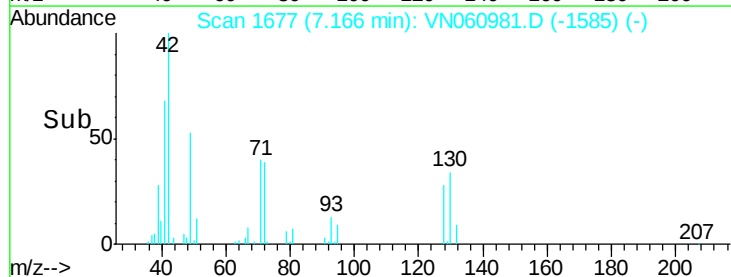
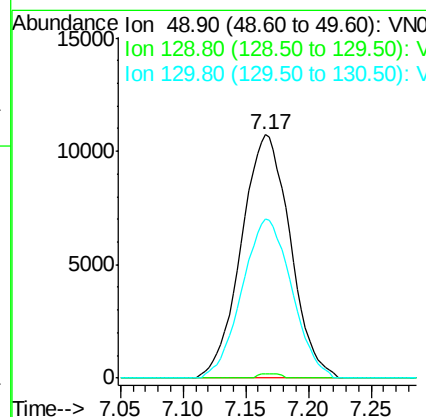
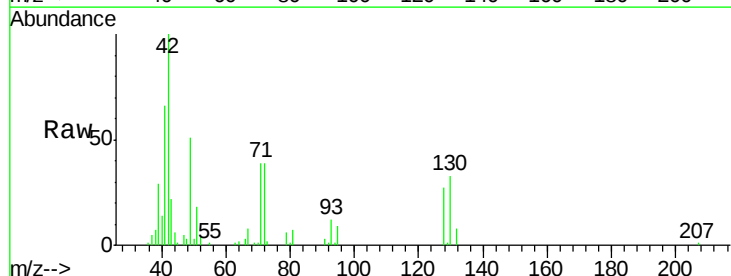
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.4
130	66.2	55.0	82.4





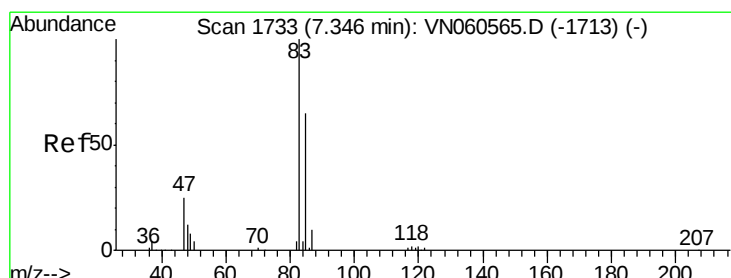
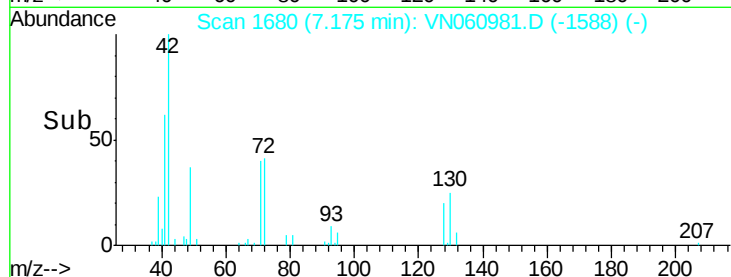
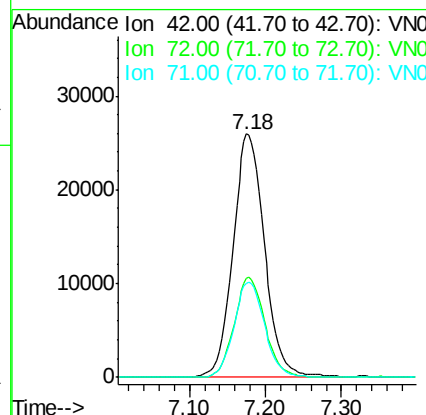
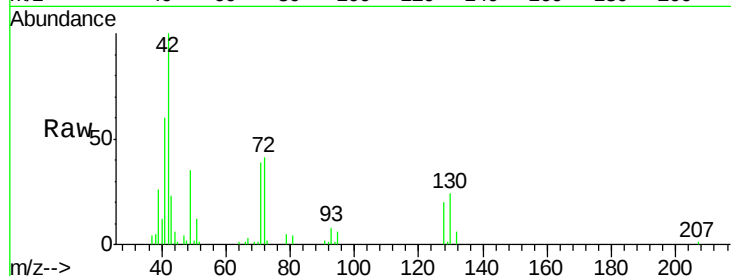
#29
Tetrahydrofuran
Concen: 103.366 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.2	49.8
71	38.0	31.1	46.7

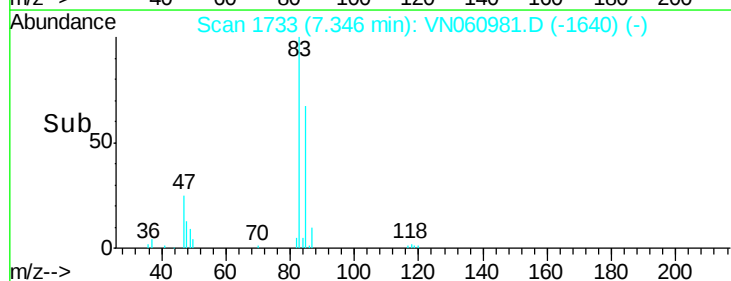
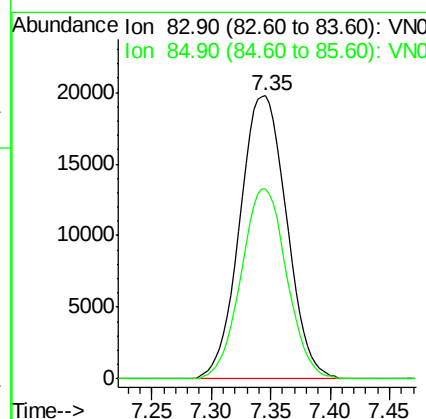
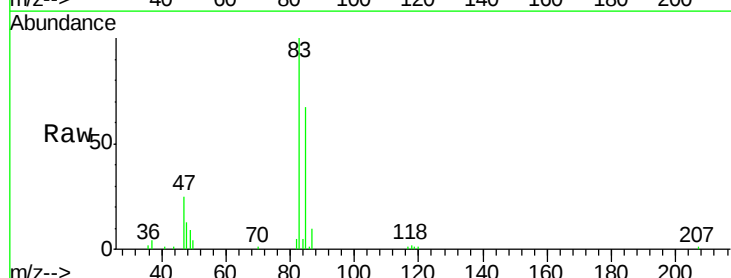
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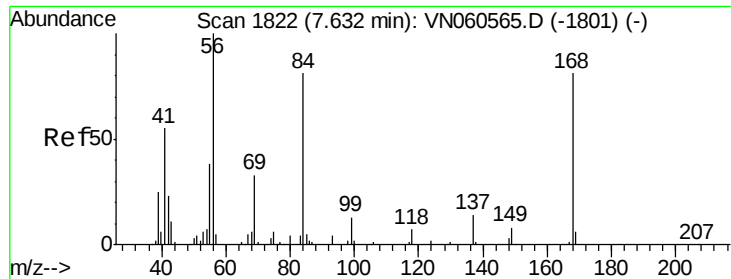
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4/16/2020 11:15:26 AM



#30
Chloroform
Concen: 19.769 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.8





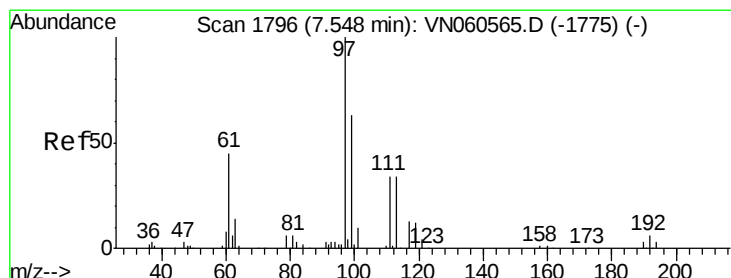
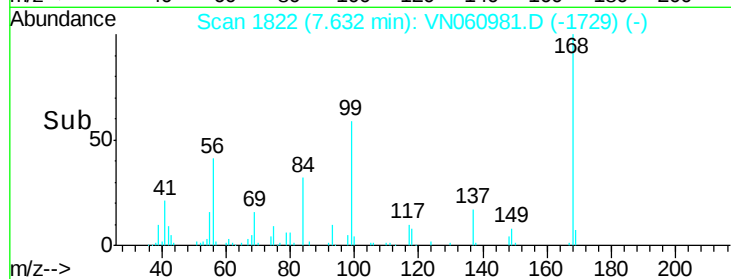
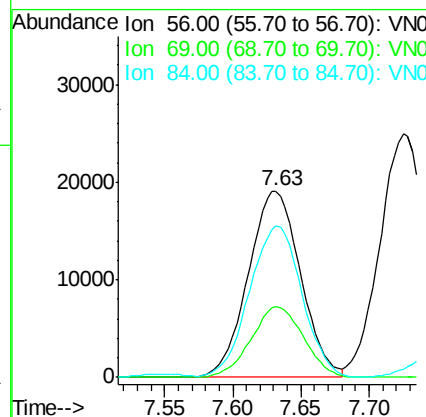
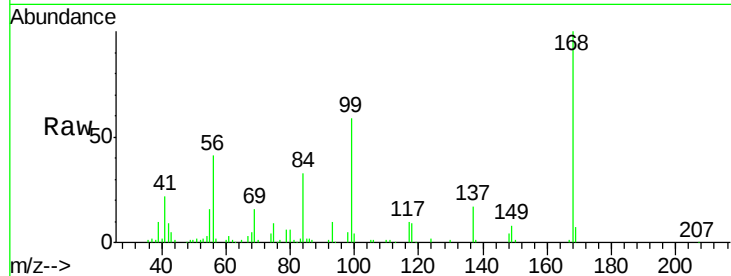
#31
Cyclohexane
Concen: 17.698 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.6	40.0
84	80.3	64.3	96.5

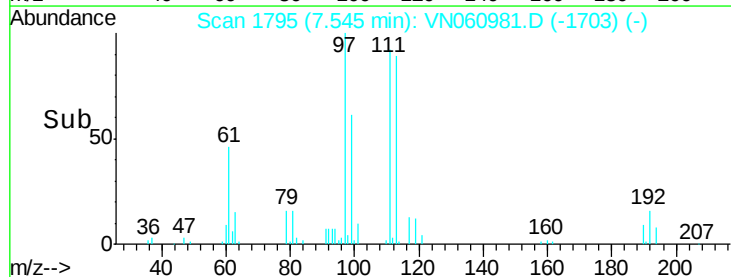
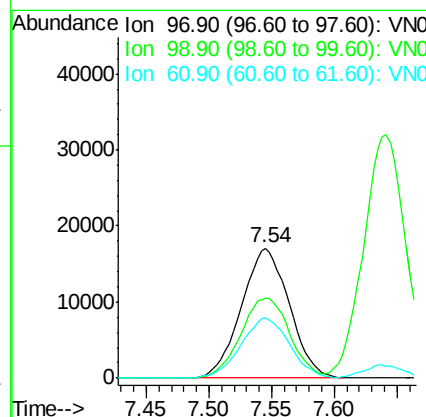
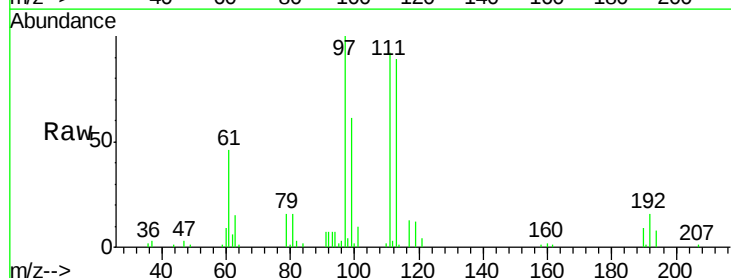
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#32
1,1,1-Trichloroethane
Concen: 19.266 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	75.8
61	47.0	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 54.510 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion: 65 Resp: 97142

Ion Ratio Lower Upper

65 100

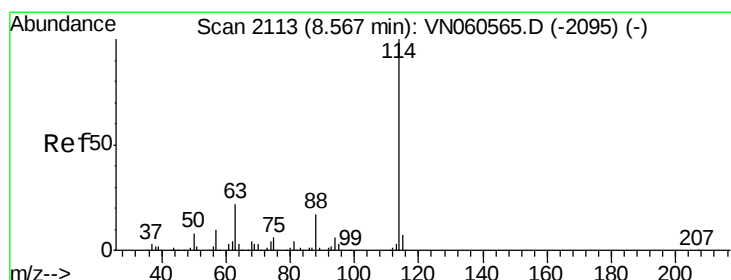
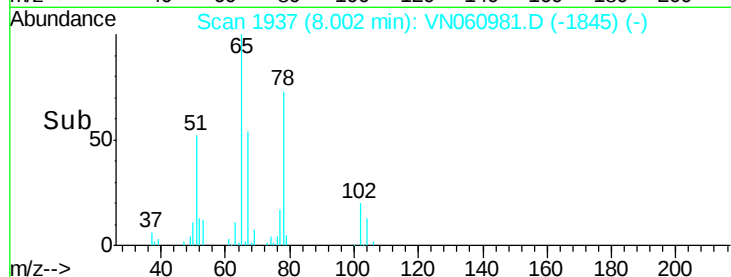
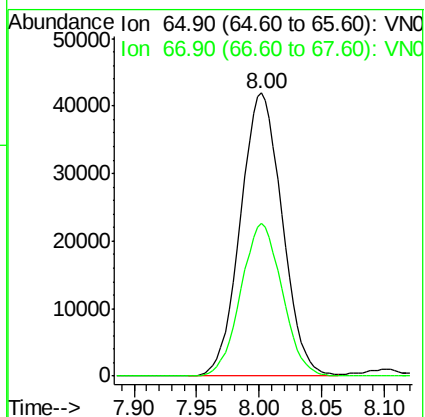
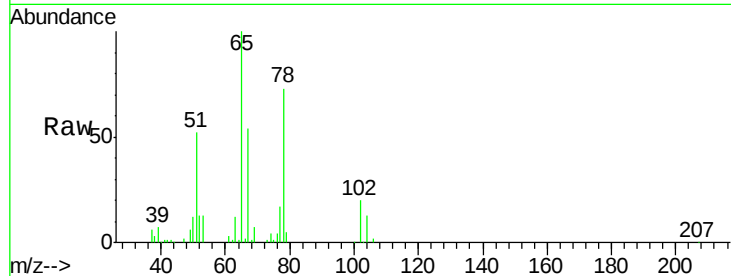
67 53.3 0.0 107.6

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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: VN060981.D

Acq: 15 Apr 2020 23:02

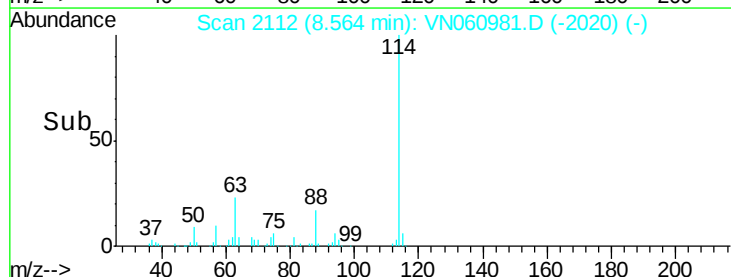
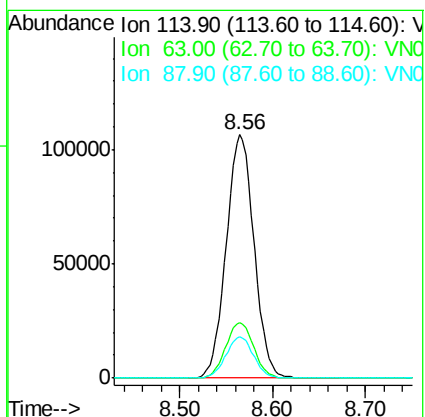
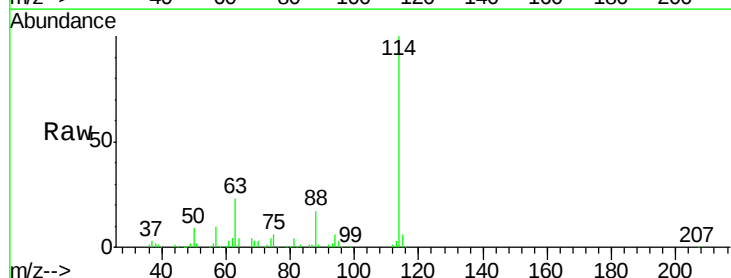
Tgt Ion: 114 Resp: 221694

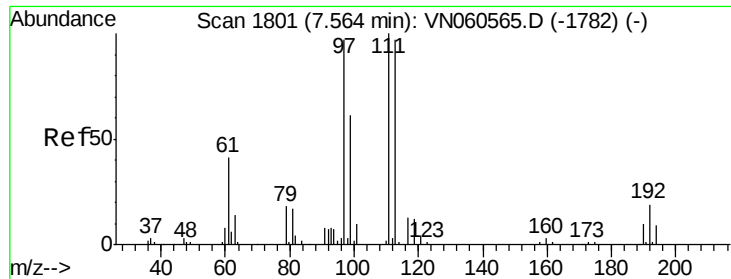
Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.8

88 17.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.728 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

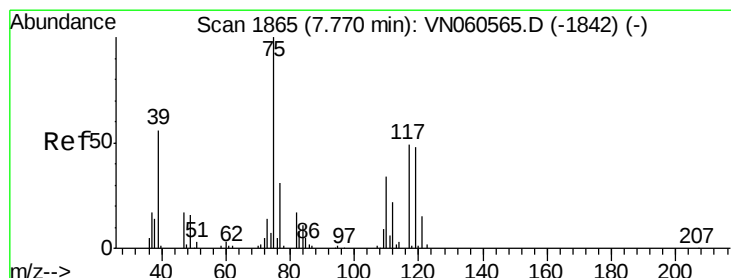
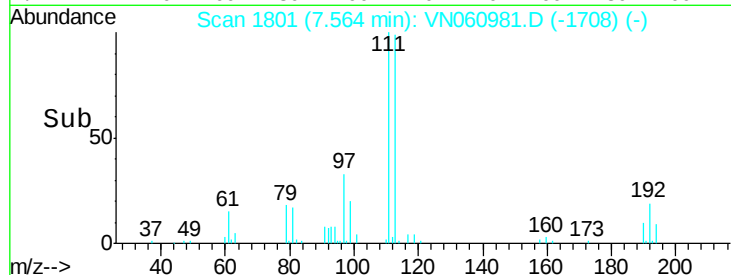
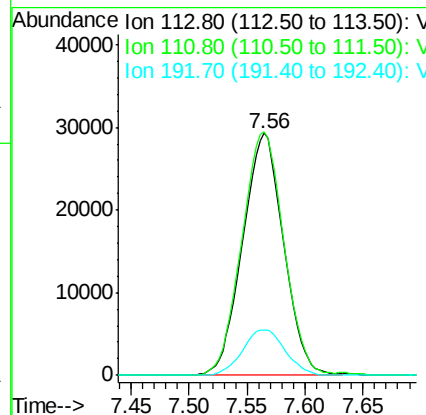
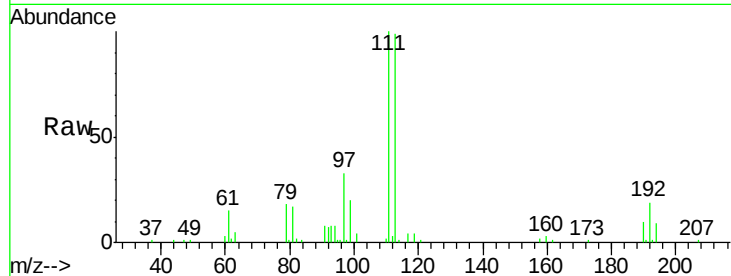
ClientSampleId :

VN0415WBSD02

Tot Ion:	113	Resp:	72023
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	19.5	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 18.520 ug/l

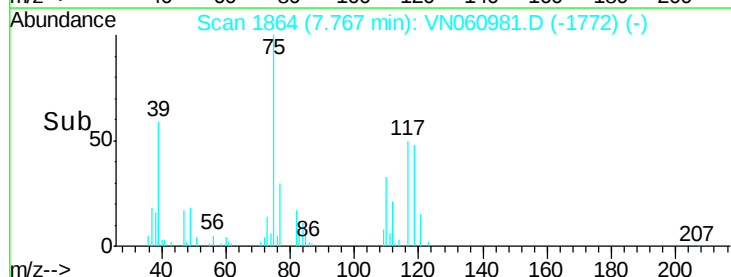
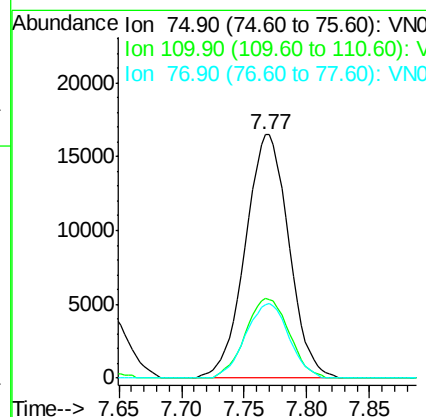
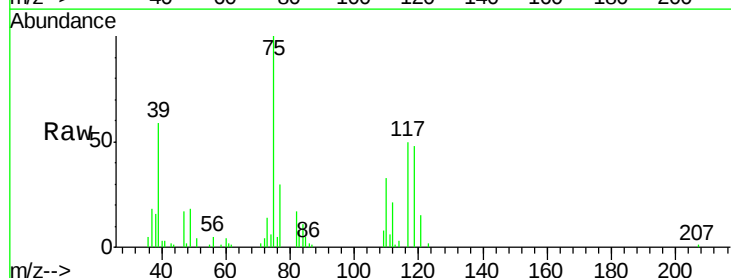
RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion:	75	Resp:	39757
Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.4	24.6	36.8





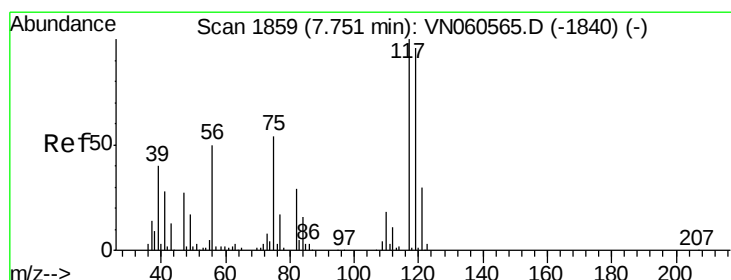
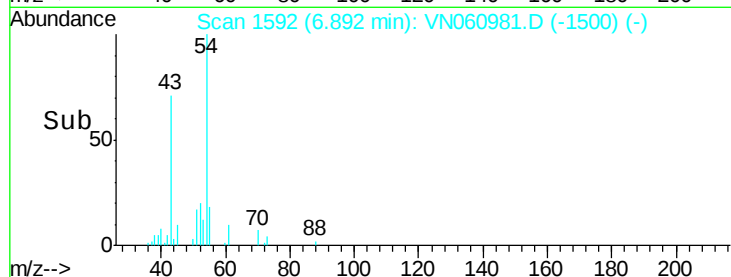
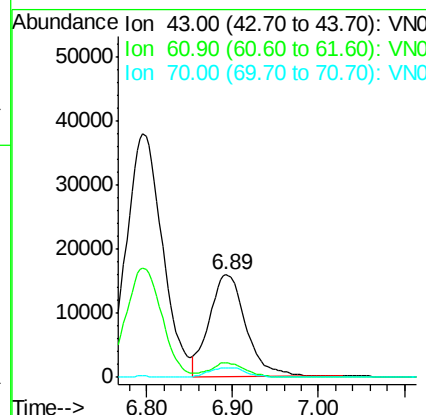
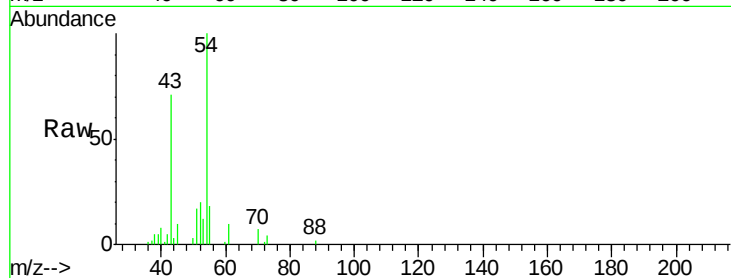
#37
Ethyl Acetate
Concen: 20.501 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleID :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	9.4	7.9	11.9

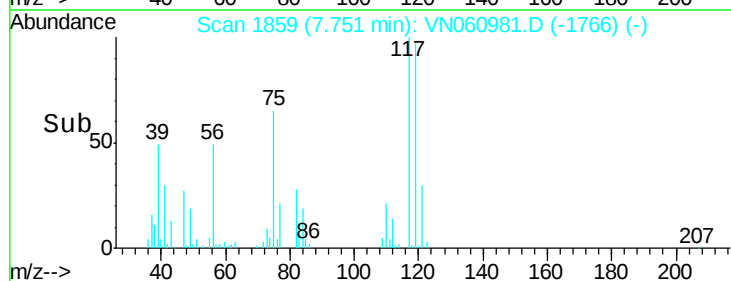
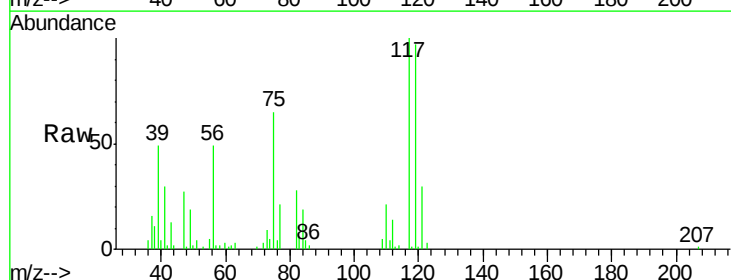
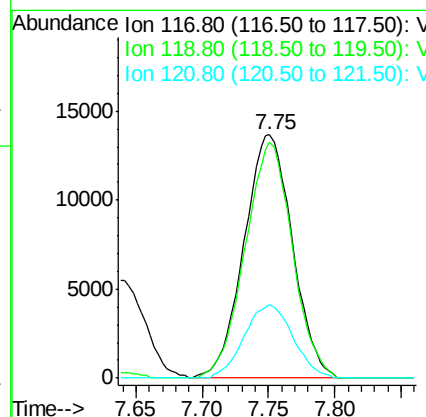
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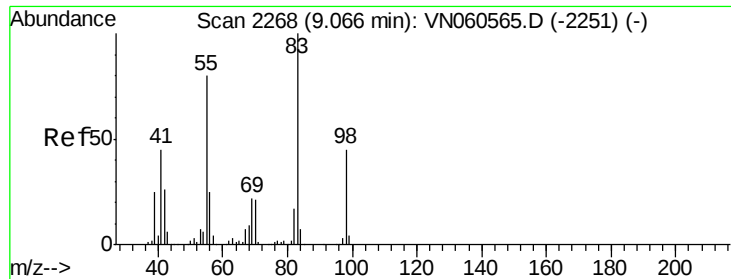
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.056 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.2	114.2
121	29.9	23.7	35.5





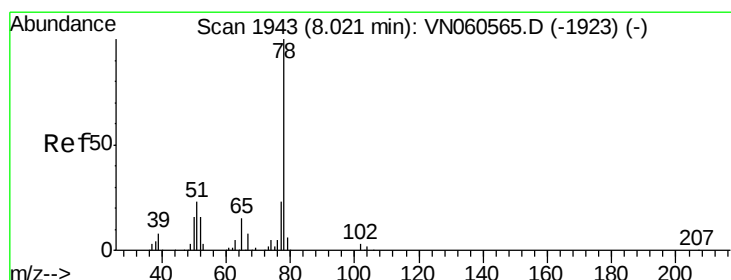
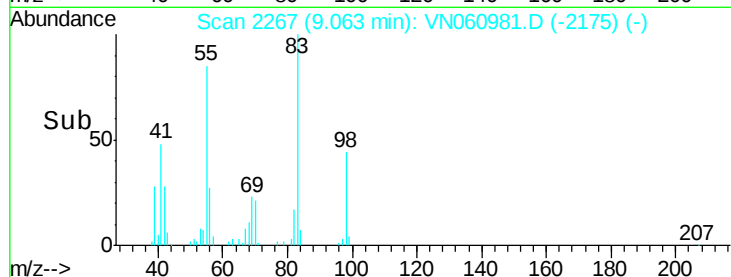
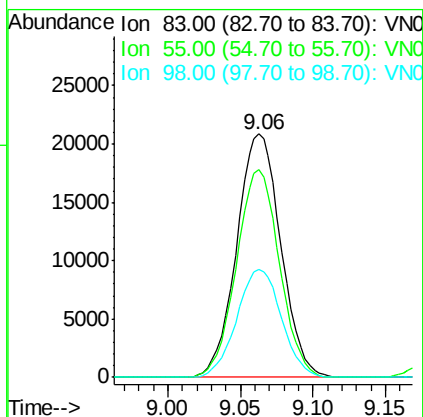
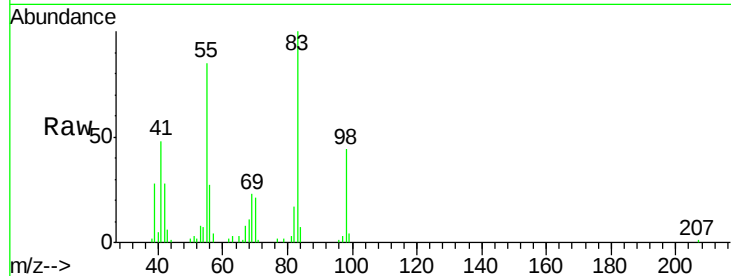
#39
Methvlcvclohexane
Concen: 17.272 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	63.6	95.4
98	44.1	36.0	54.0

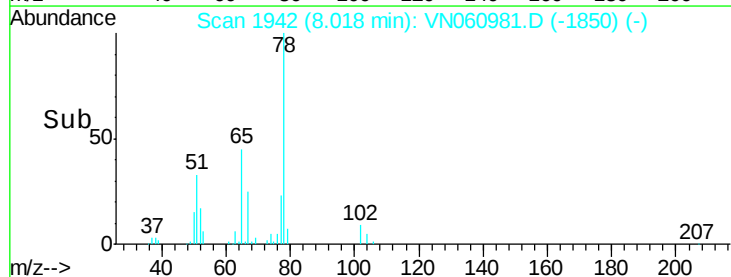
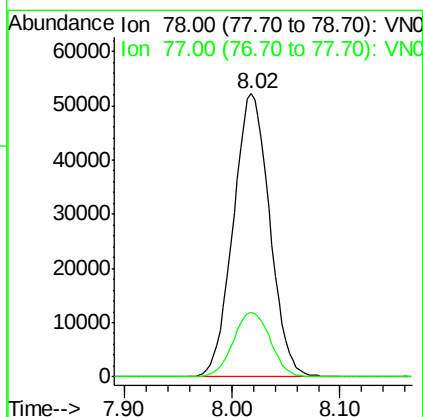
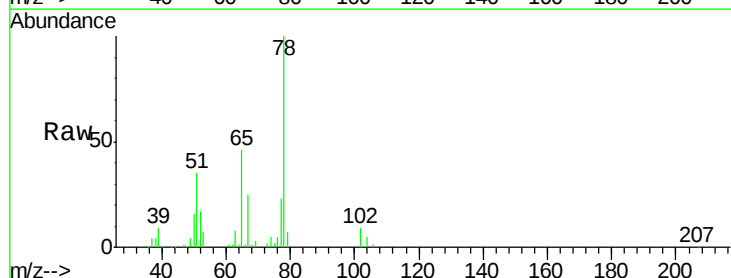
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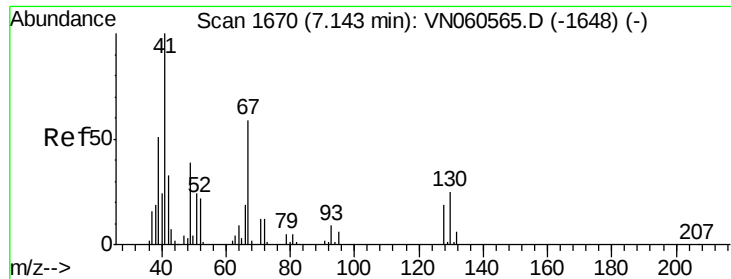
MMDadoda
4/16/2020 11:15:26 AM



#40
Benzene
Concen: 18.924 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	28.0





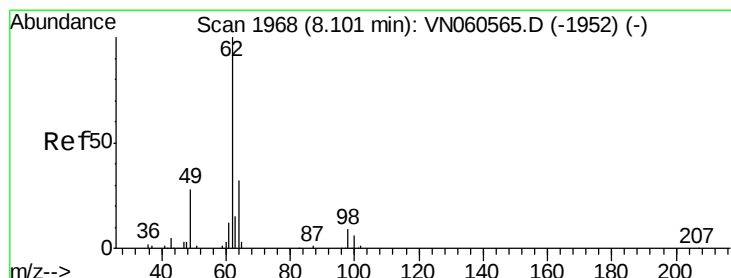
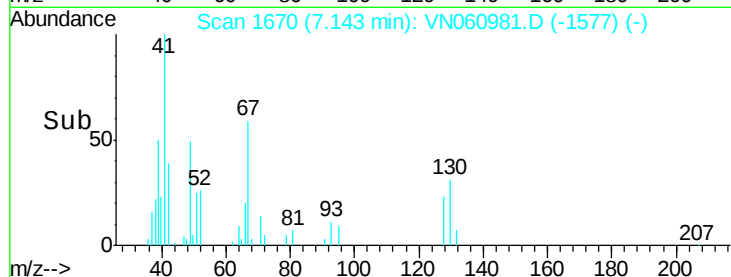
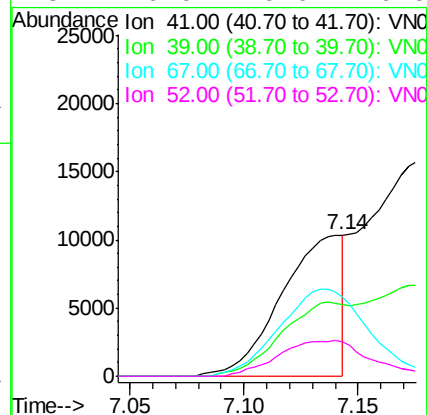
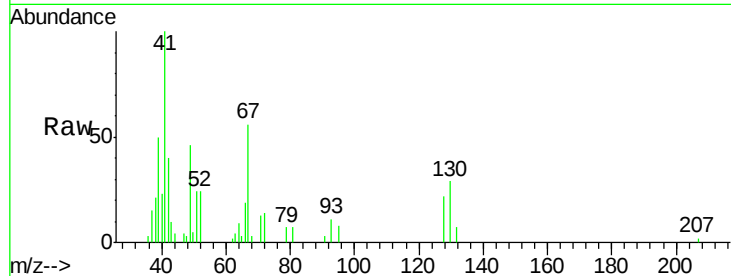
#41
Methacrylonitrile
Concen: 19.539 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

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

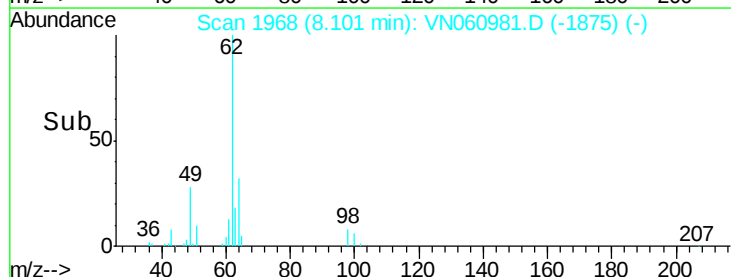
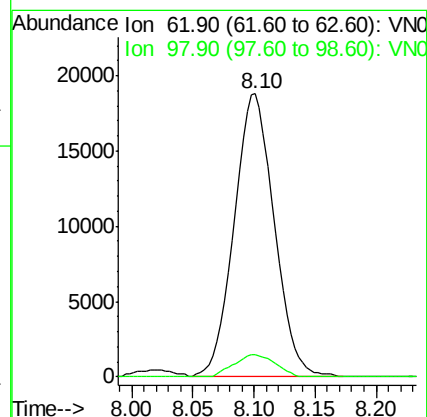
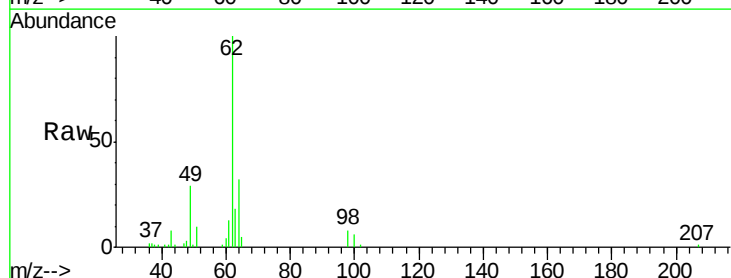
Manual Integrations
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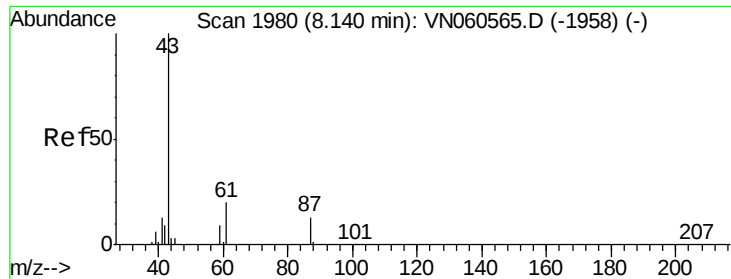
MMDadoda
4/16/2020 11:15:26 AM



#42
1,2-Dichloroethane
Concen: 19.363 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.8





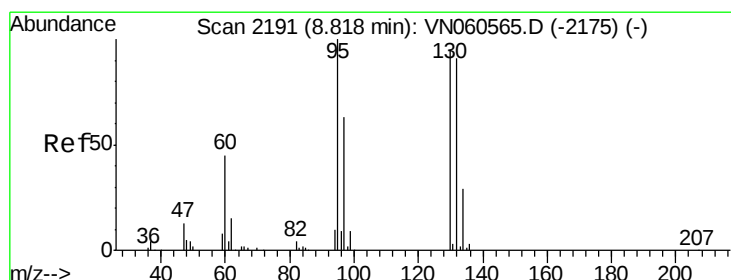
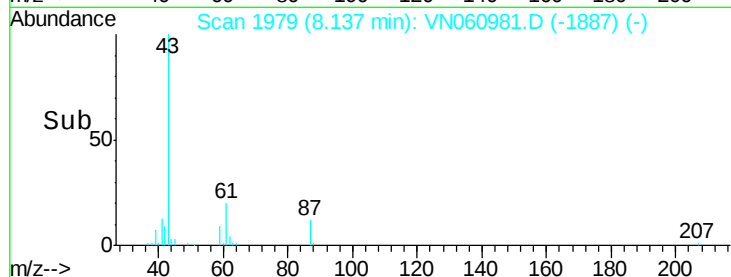
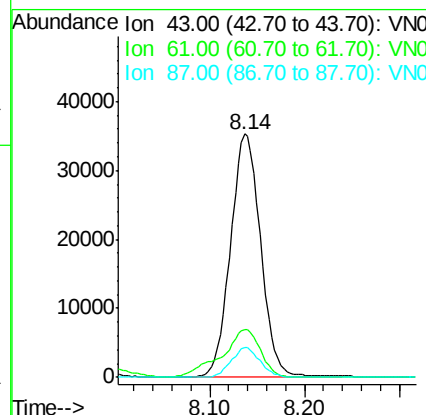
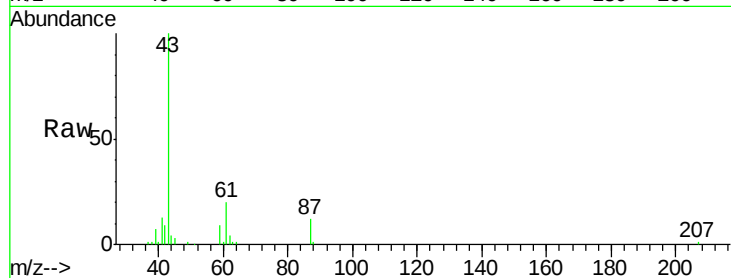
#43
Isopropyl Acetate
Concen: 20.506 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.7	31.1
87	11.6	9.8	14.8

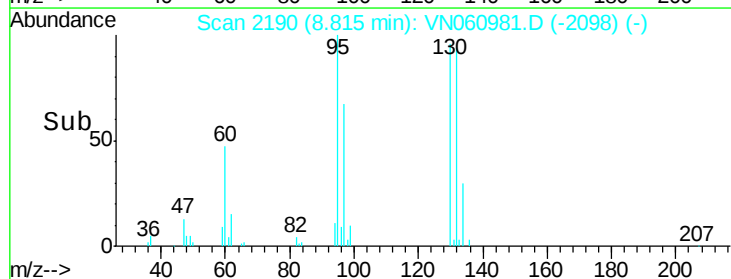
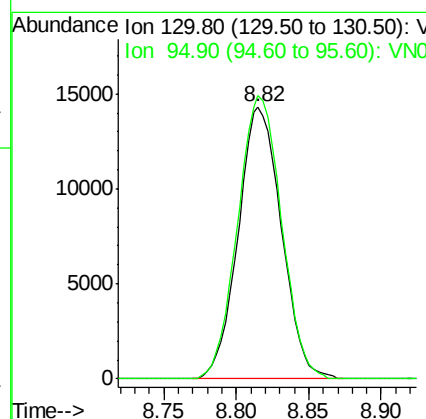
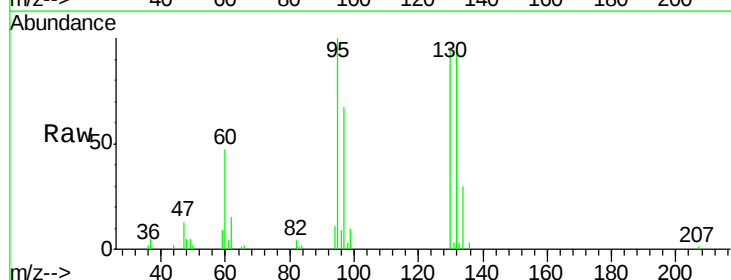
Manual Integrations
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4/16/2020 11:15:26 AM



#44
Trichloroethene
Concen: 18.130 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	211.2





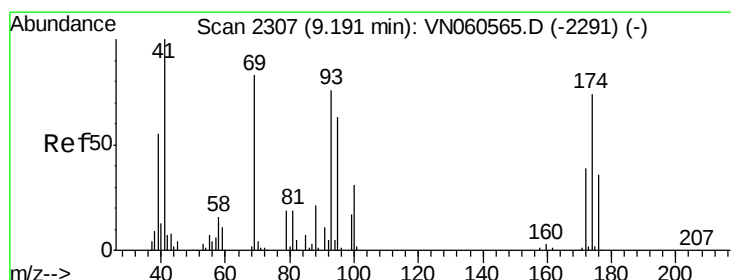
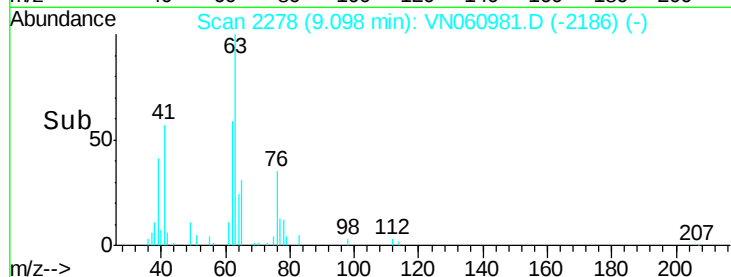
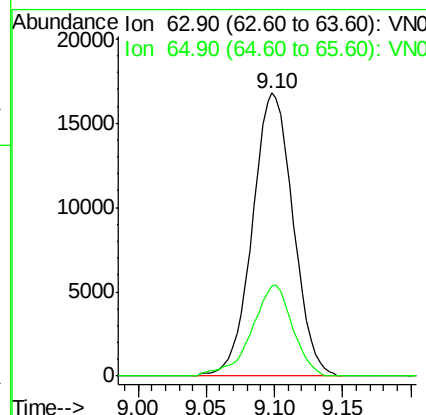
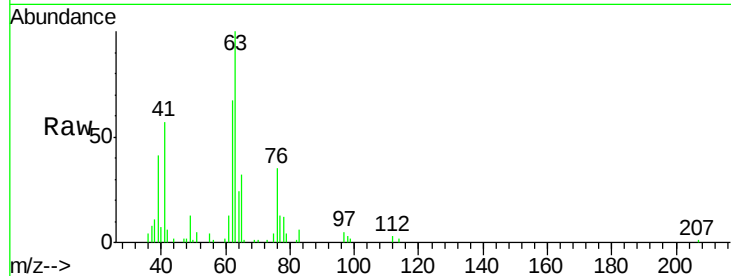
#45
 1,2-Dichloropropane
 Concen: 20.316 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD02

Tot Ion	63	Resp	34740
Ion Ratio	Lower	Upper	
63	100		
65	31.8	25.4	38.0

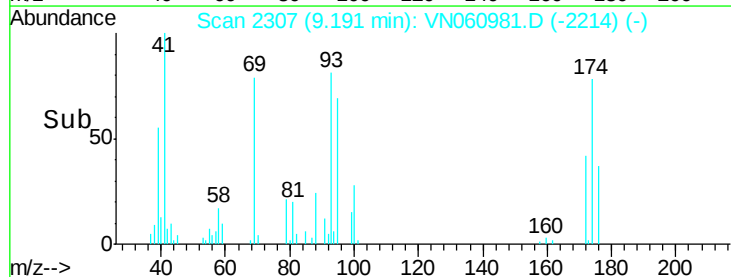
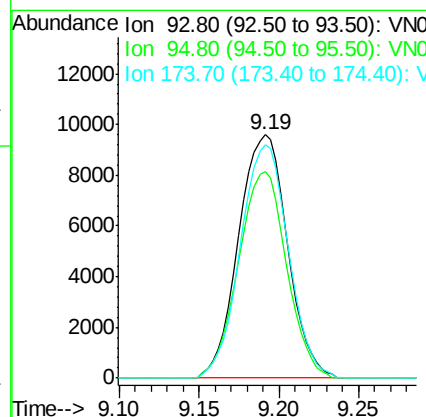
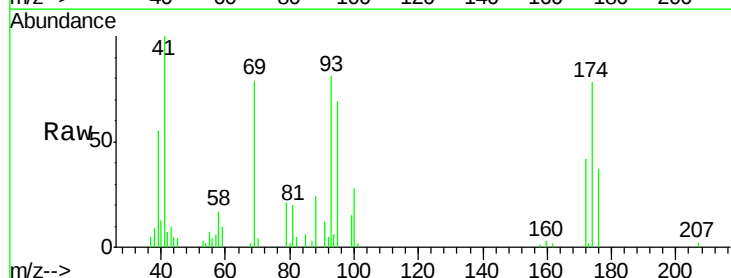
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.385 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion	93	Resp	20040
Ion Ratio	Lower	Upper	
93	100		
95	83.5	66.2	99.4
174	94.2	77.9	116.9





#47

Bromodichloromethane

Concen: 19.245 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

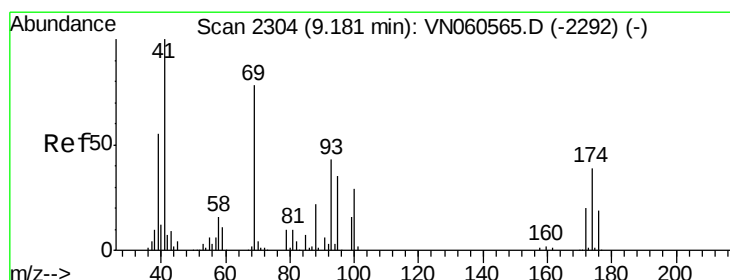
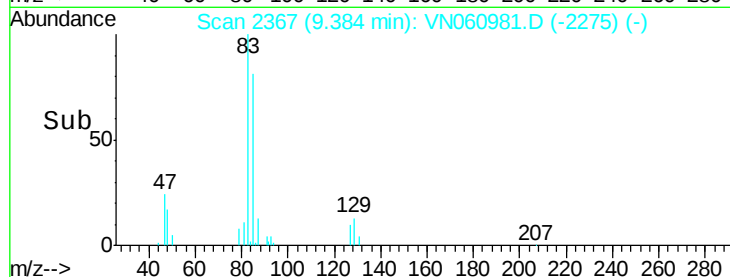
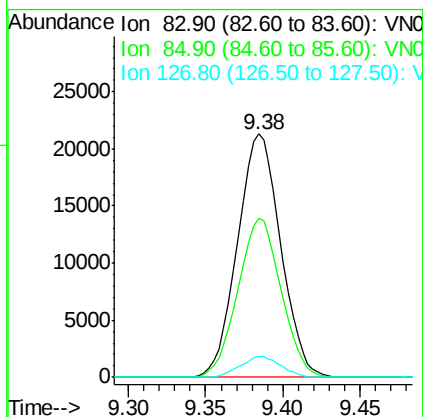
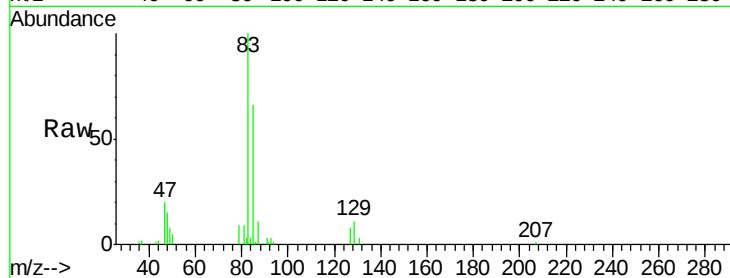
ClientSampleId :

VN0415WBSD02

Tot Ion:	83	Resp:	41342
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6
127	8.5	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.449 ug/l

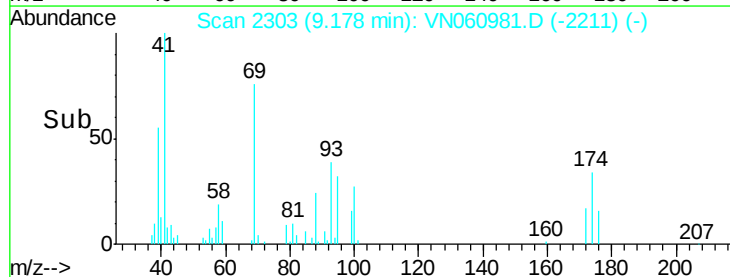
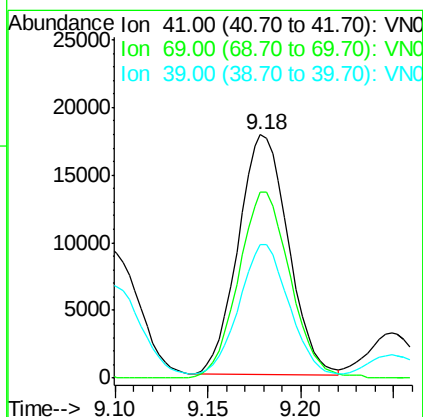
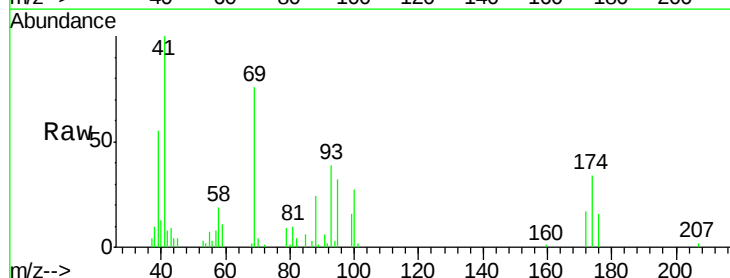
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion:	41	Resp:	33125
Ion	Ratio	Lower	Upper
41	100		
69	80.3	65.4	98.0
39	57.1	44.0	66.0





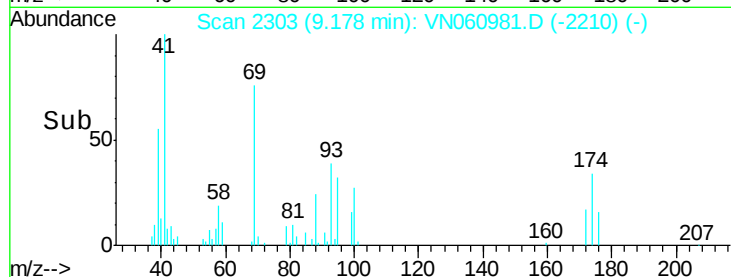
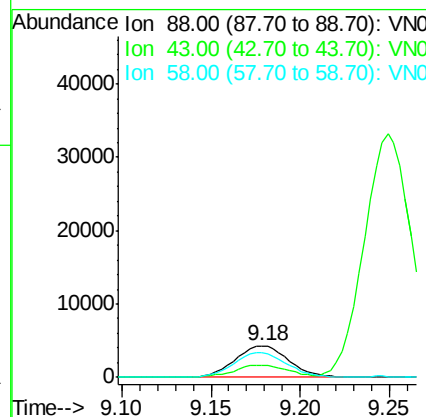
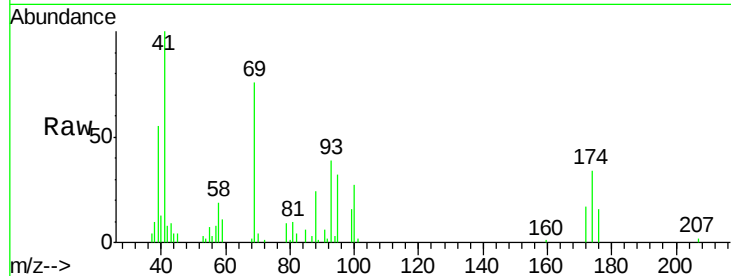
#49
1,4-Dioxane
Concen: 441.363 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	30.8	46.2
58	76.9	59.8	89.8

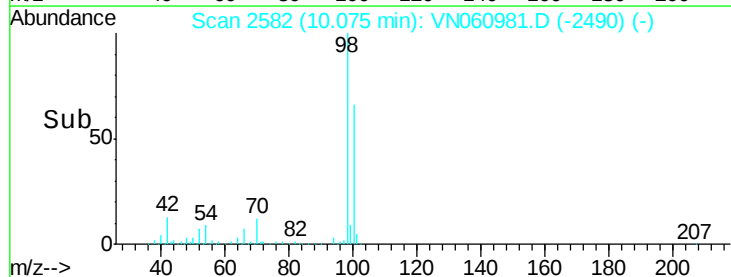
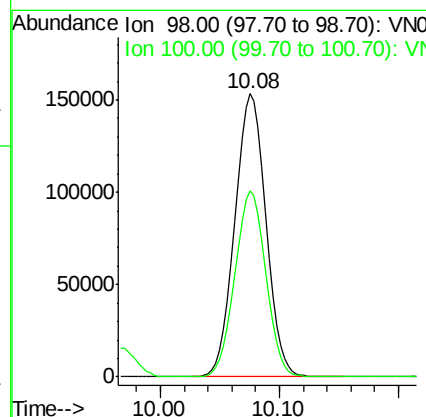
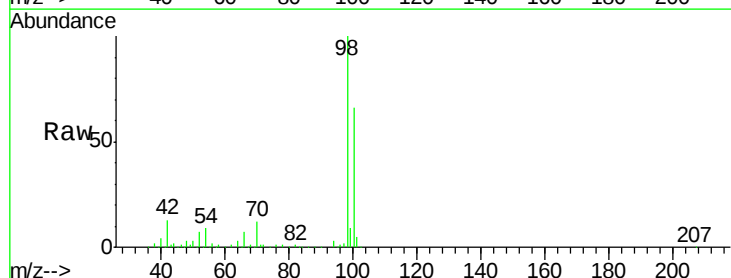
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#50
Toluene-d8
Concen: 50.769 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 105.665 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion: 43 Resp: 230012

Ion Ratio Lower Upper

43 100

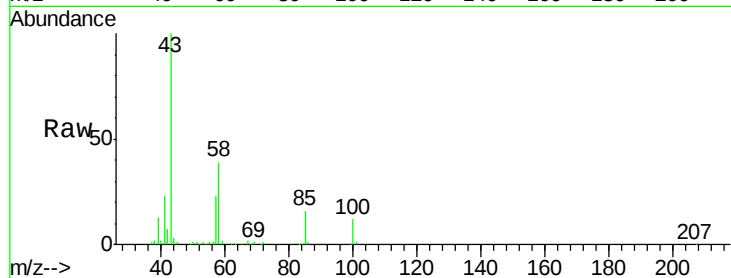
58 37.9 30.8 46.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

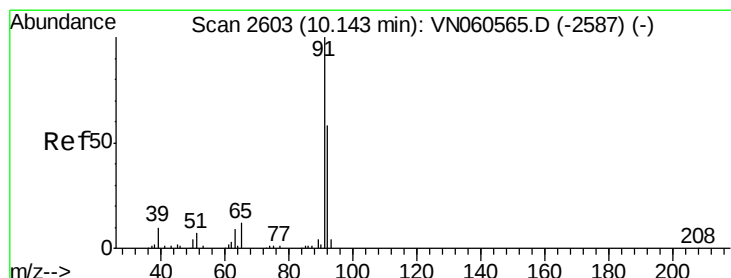
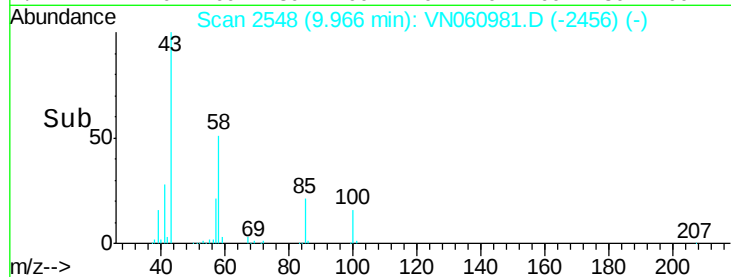
100000

50000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 18.694 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060981.D

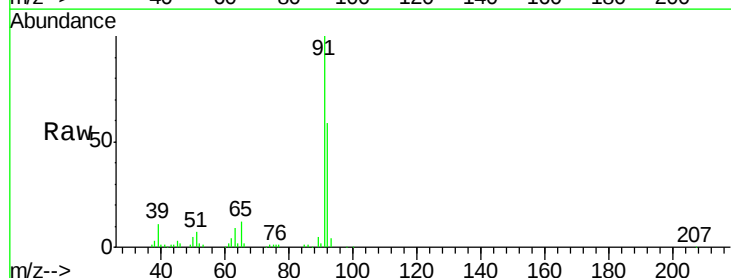
Acq: 15 Apr 2020 23:02

Tgt Ion: 92 Resp: 73161

Ion Ratio Lower Upper

92 100

91 171.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

80000

60000

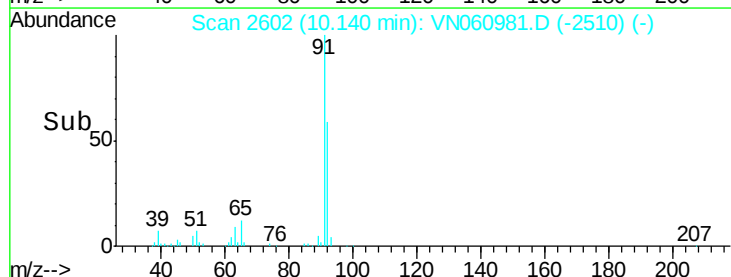
40000

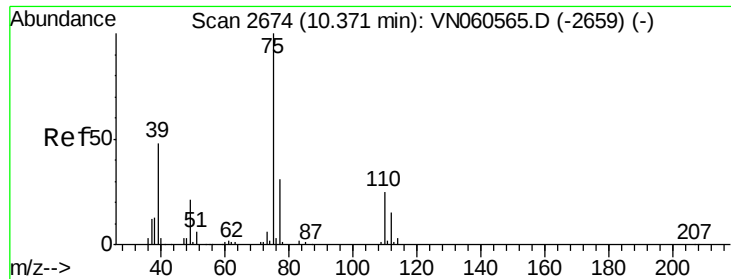
20000

0

10.05 10.10 10.14 10.20

Time-->





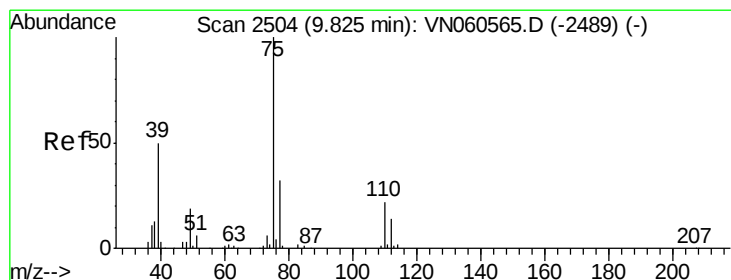
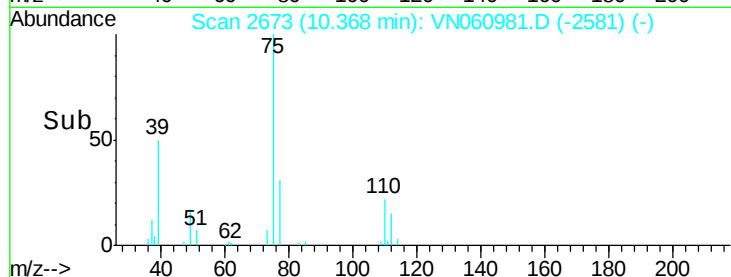
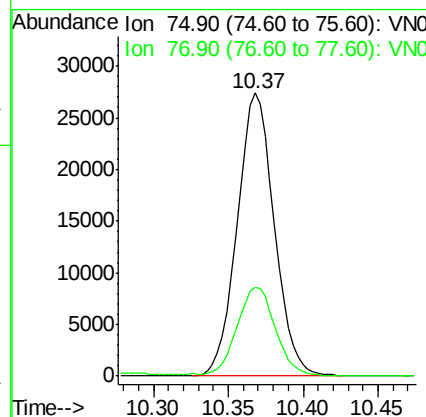
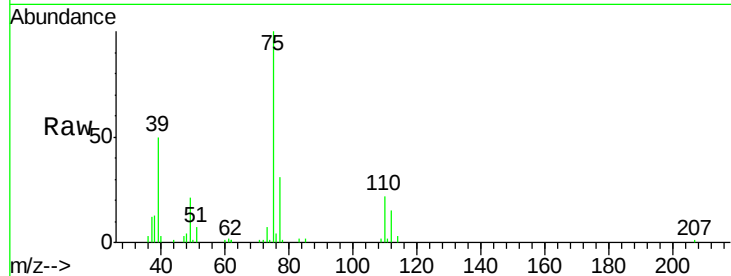
#53
t-1,3-Dichloropropene
Concen: 19.169 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion: 75 Resp: 47300
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

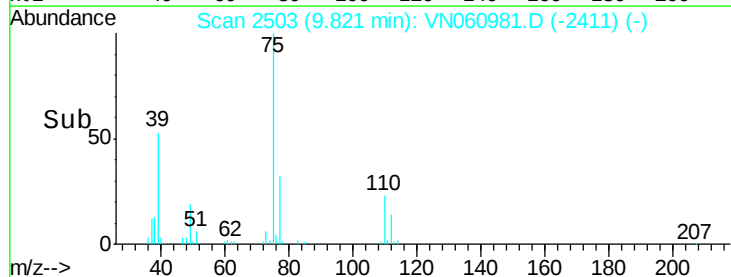
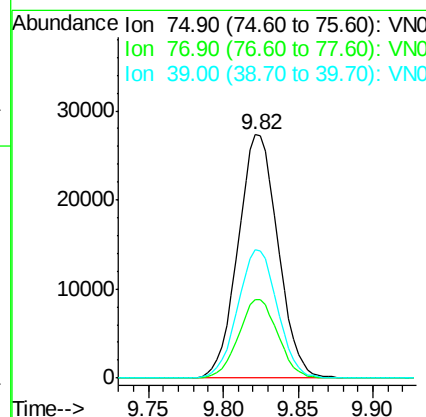
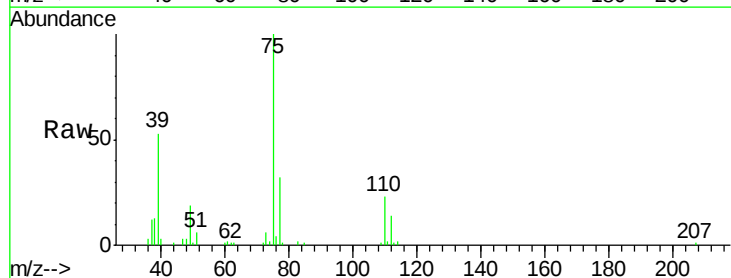
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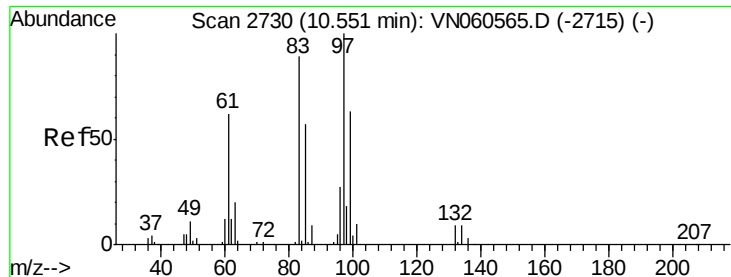
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#54
cis-1,3-Dichloropropene
Concen: 18.764 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 75 Resp: 50794
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
39 52.7 40.2 60.4





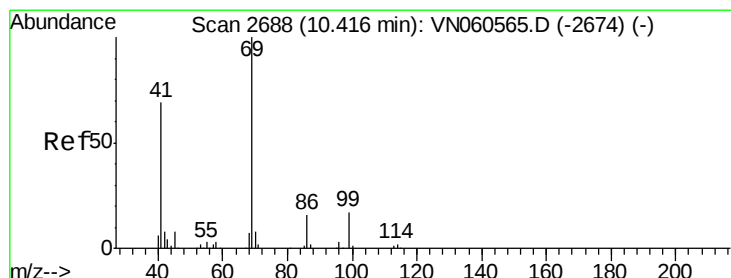
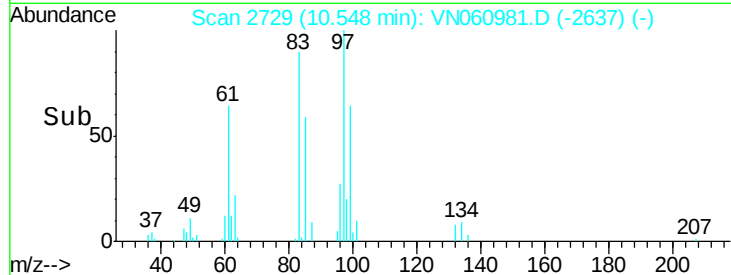
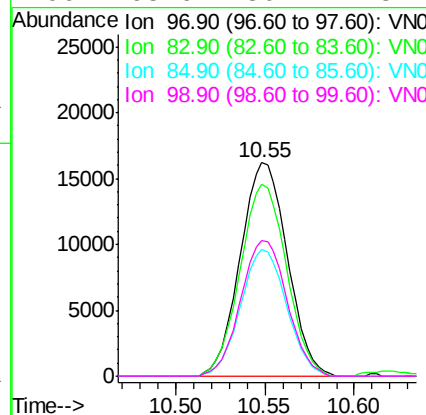
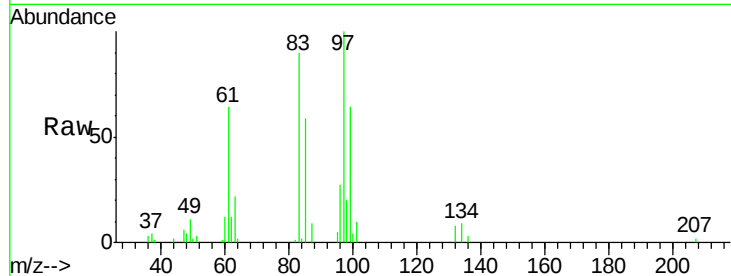
#55
 1,1,2-Trichloroethane
 Concen: 19.813 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD02

Tot Ion:	97	Resp:	29831
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.3	106.9
85	59.4	45.2	67.8
99	63.6	50.1	75.1

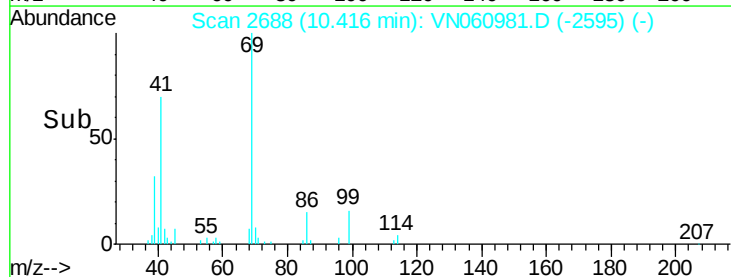
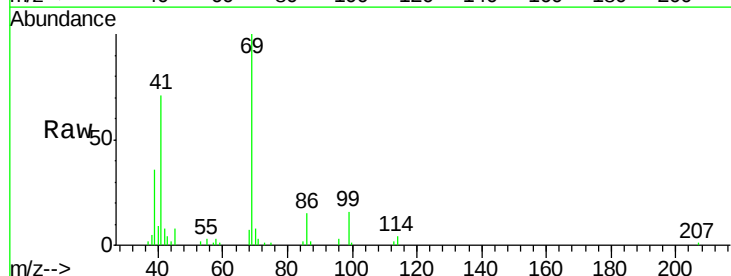
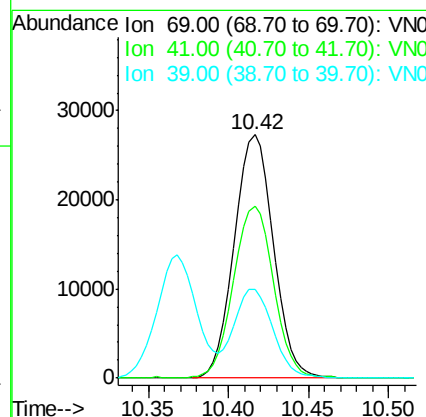
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#56
 Ethyl methacrylate
 Concen: 19.392 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion:	69	Resp:	45526
Ion	Ratio	Lower	Upper
69	100		
41	72.8	55.4	83.2
39	36.7	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.905 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion: 76 Resp: 52008

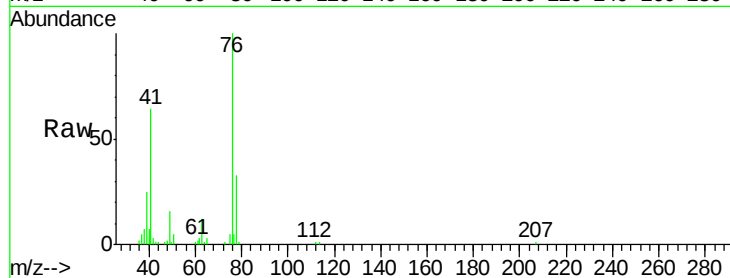
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6

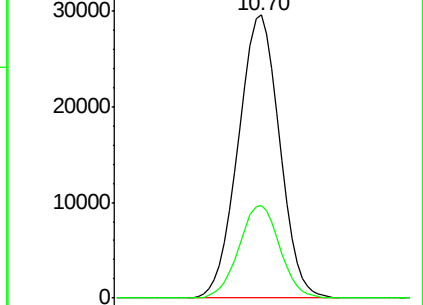
Manual Integrations
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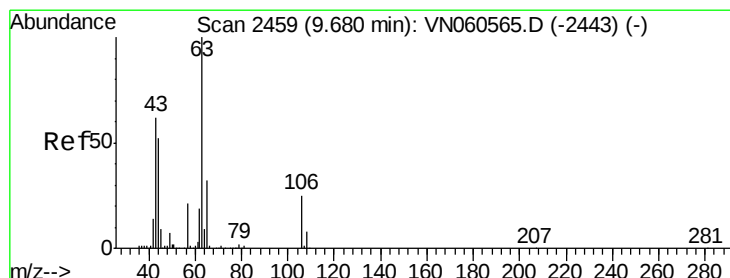
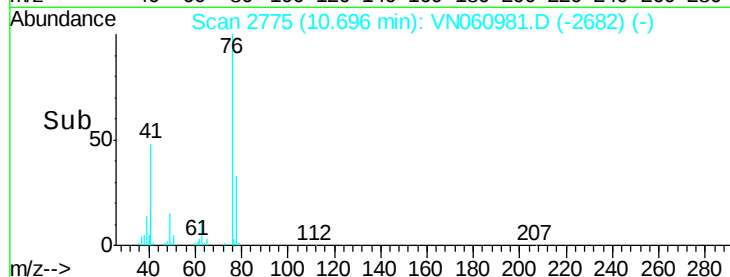


Abundance Ion 75.90 (75.60 to 76.60): VN060981.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060981.D (-2682) (-)



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 87.846 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060981.D

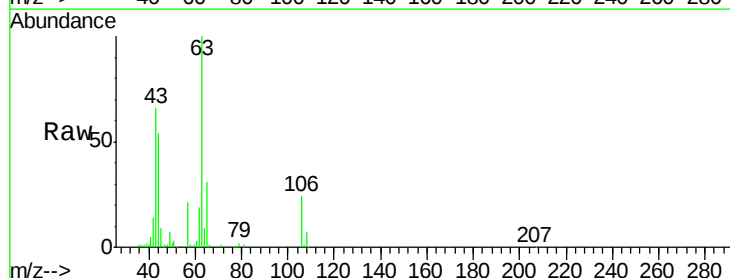
Acq: 15 Apr 2020 23:02

Tgt Ion: 63 Resp: 102500

Ion Ratio Lower Upper

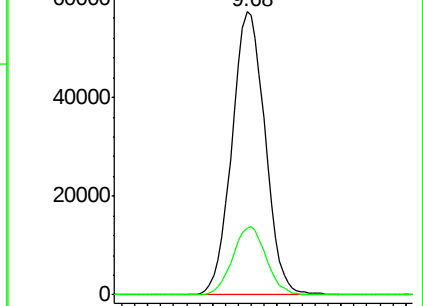
63 100

106 24.2 20.0 30.0

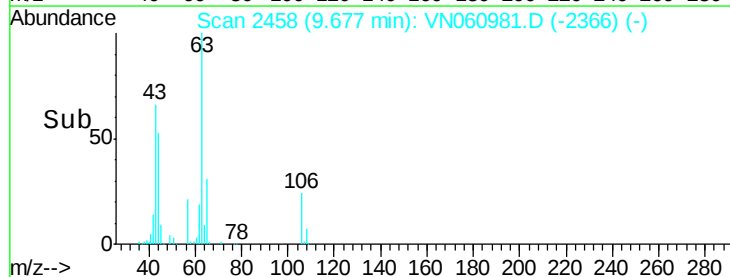


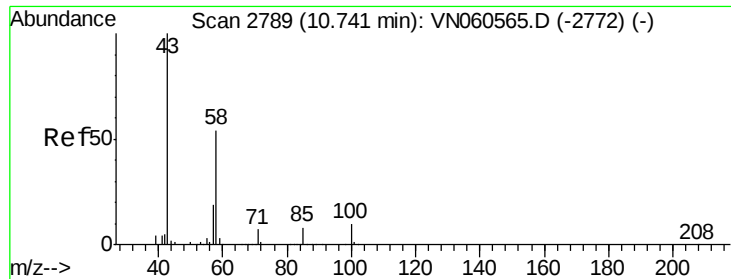
Abundance Ion 62.90 (62.60 to 63.60): VN060981.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060981.D (-2366) (-)



Time-->





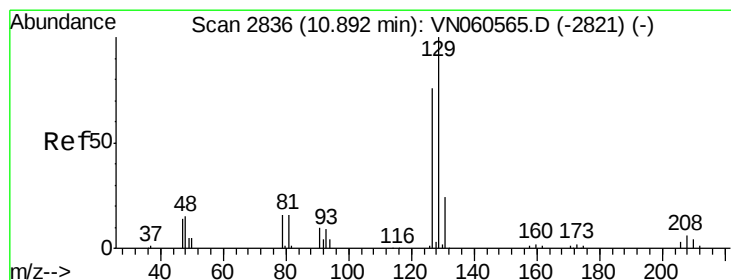
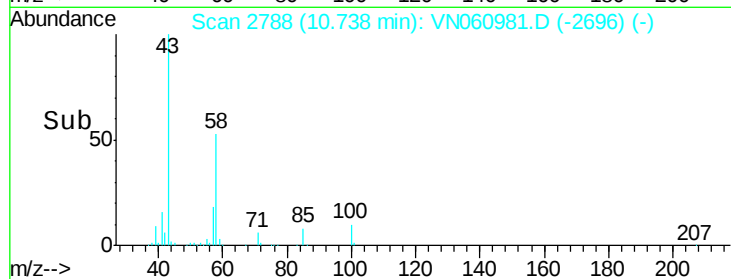
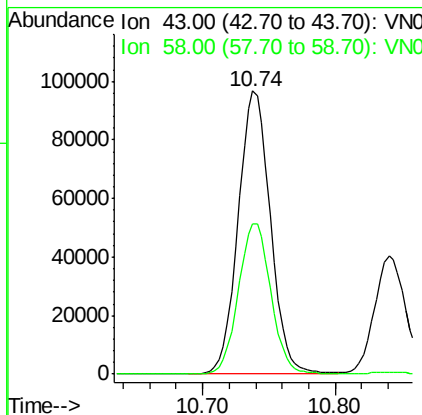
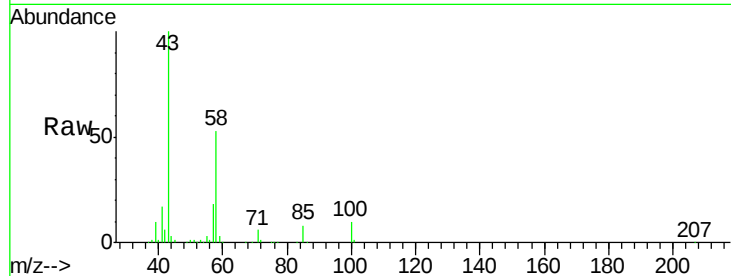
#59
2-Hexanone
Concen: 104.339 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	43	Resp	163610
Ion Ratio	43	100	
Lower	58	53.5	26.7
Upper			80.1

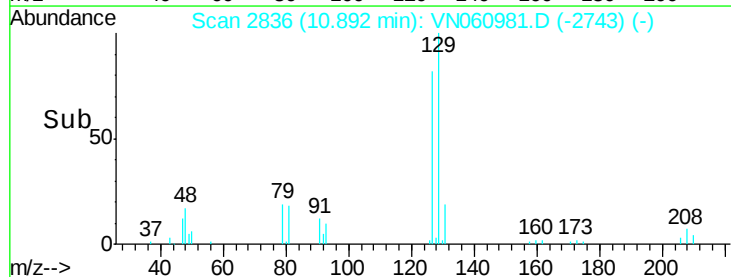
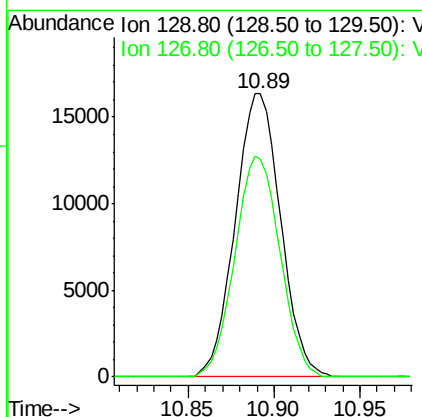
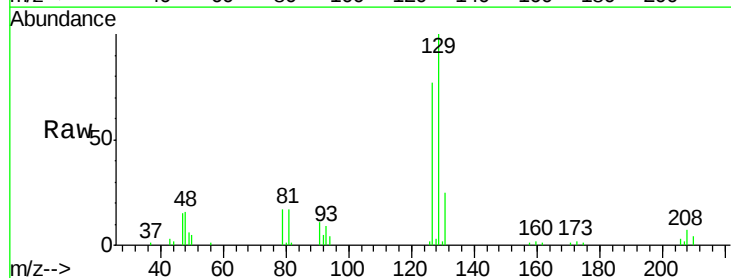
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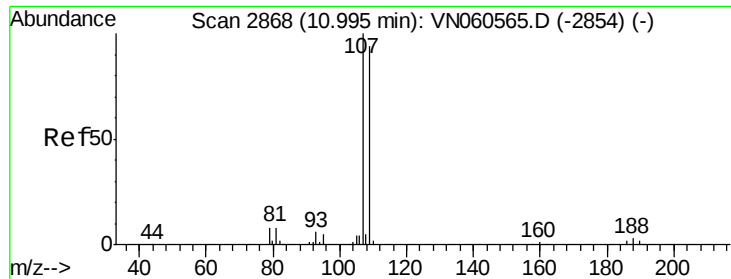
MMDadoda
4/16/2020 11:15:26 AM



#60
Dibromochloromethane
Concen: 19.229 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	129	Resp	29906
Ion Ratio	129	100	
Lower	127	77.4	38.5
Upper			115.5





#61

1,2-Dibromoethane

Concen: 19.423 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion:107 Resp: 29406

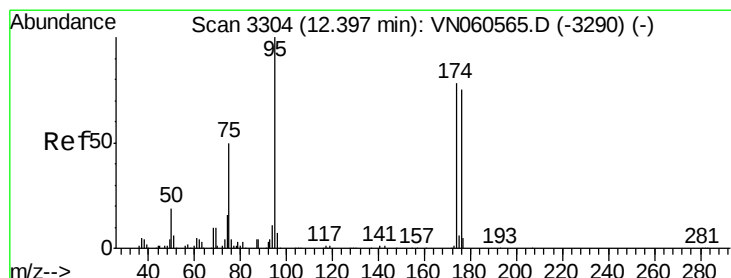
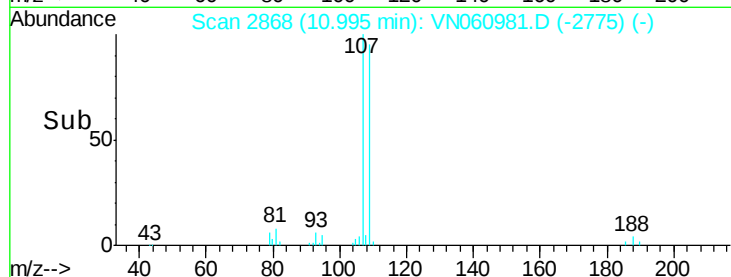
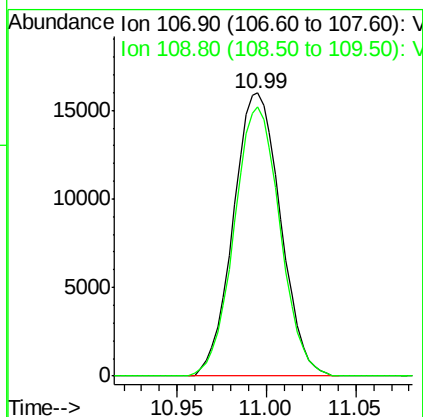
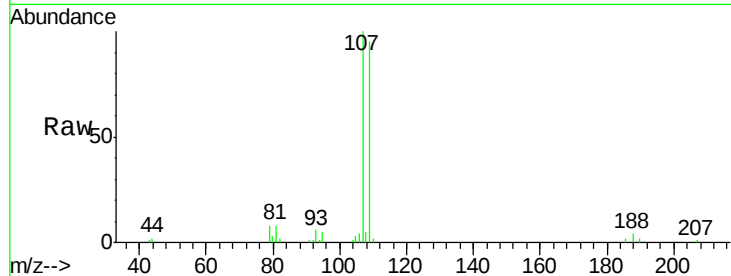
Ion Ratio Lower Upper

107 100

109 92.4 75.4 113.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.814 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

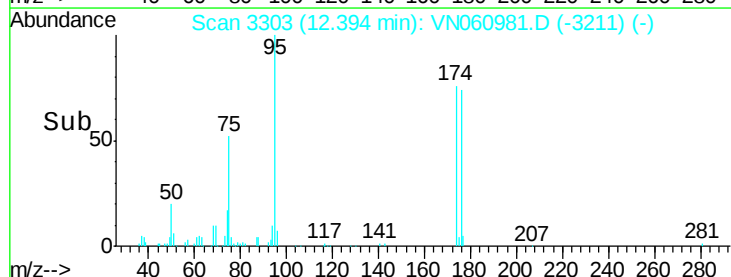
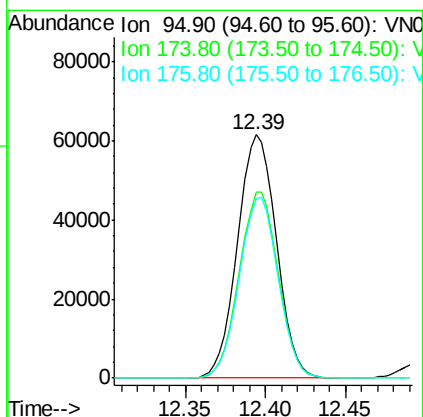
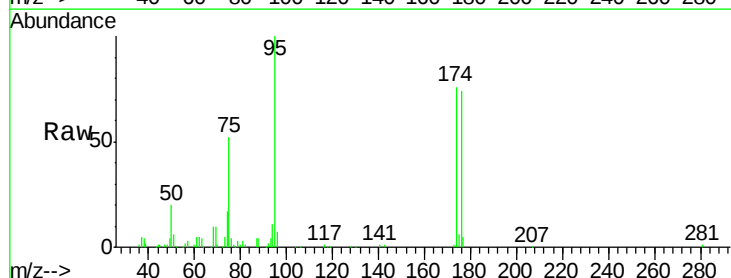
Tgt Ion: 95 Resp: 101968

Ion Ratio Lower Upper

95 100

174 77.1 0.0 157.6

176 74.3 0.0 150.6





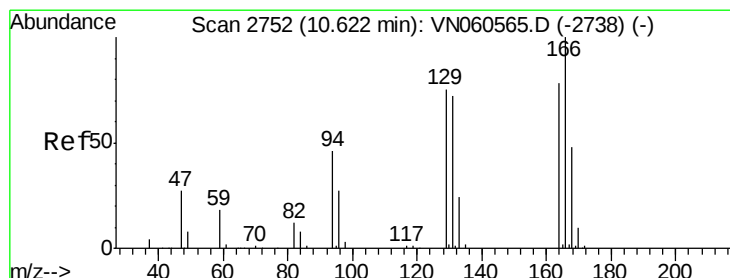
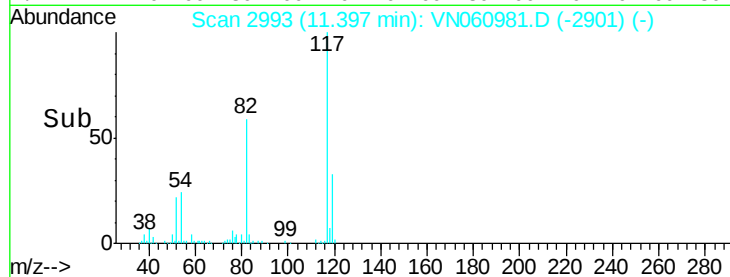
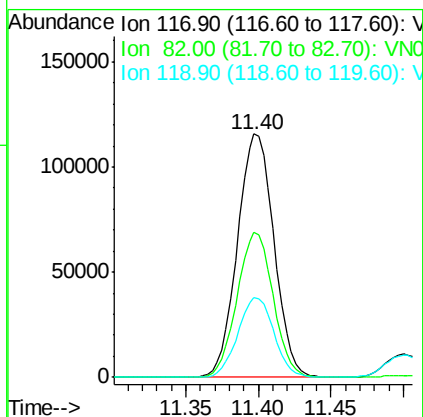
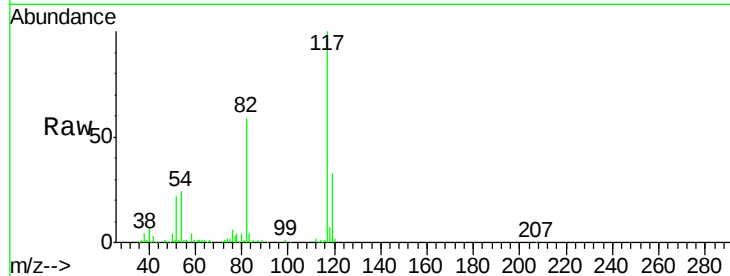
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.7	70.1
119	32.5	25.5	38.3

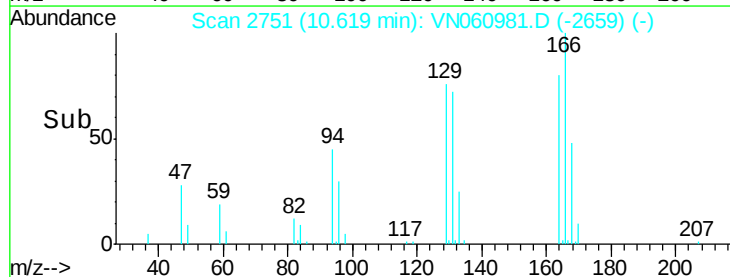
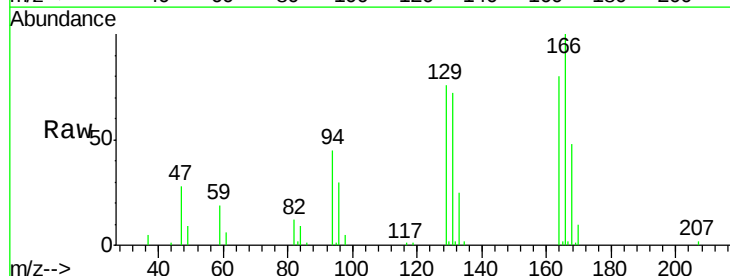
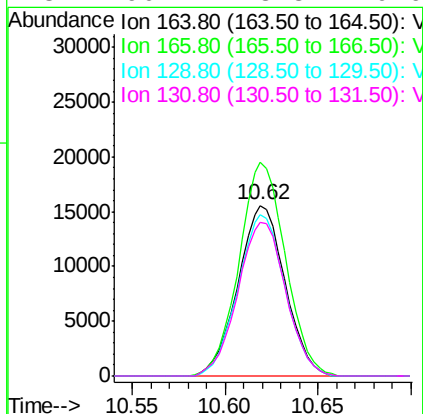
Manual Integrations
APPROVED

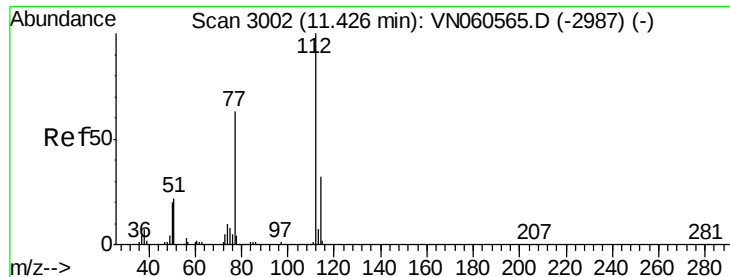
MMDadoda
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#64
Tetrachloroethene
Concen: 17.200 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.7	154.1
129	94.8	77.2	115.8
131	90.1	73.8	110.6





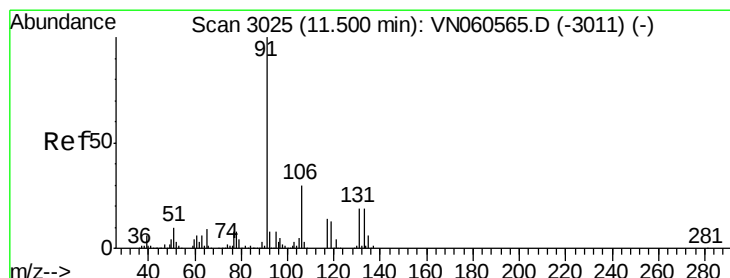
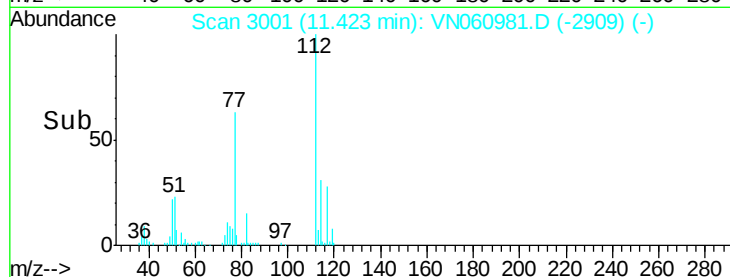
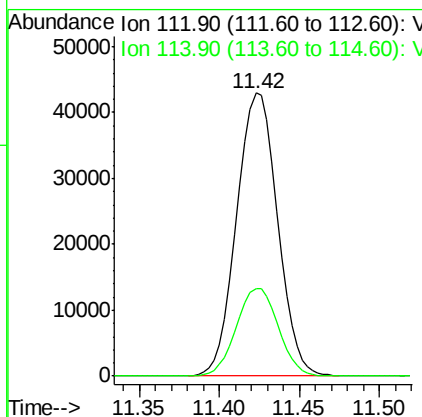
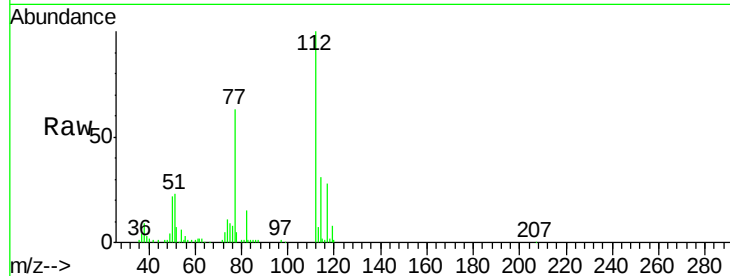
#65
Chlorobenzene
Concen: 18.662 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion:112 Resp: 75034
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6

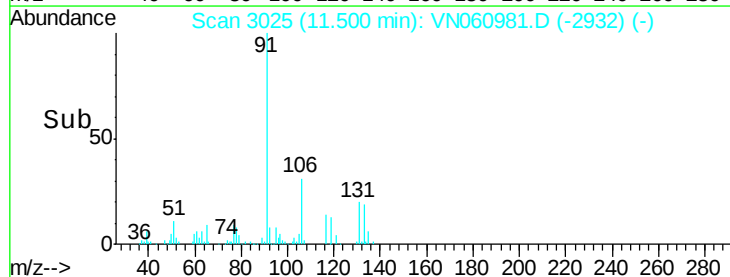
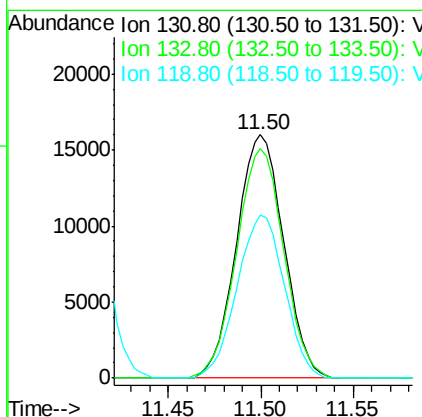
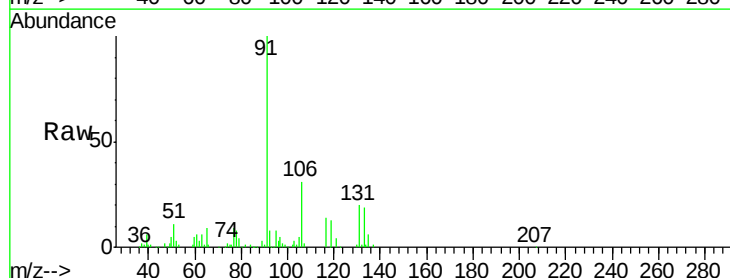
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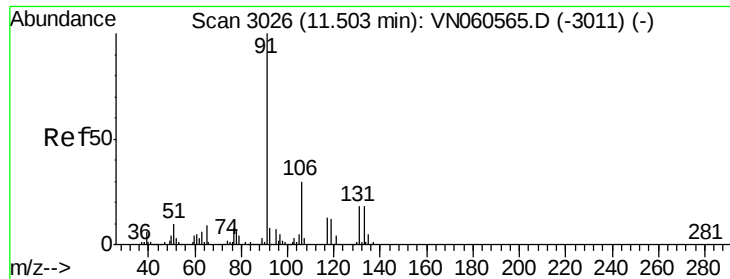
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.422 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion:131 Resp: 28274
Ion Ratio Lower Upper
131 100
133 94.2 48.9 146.8
119 67.0 33.9 101.7





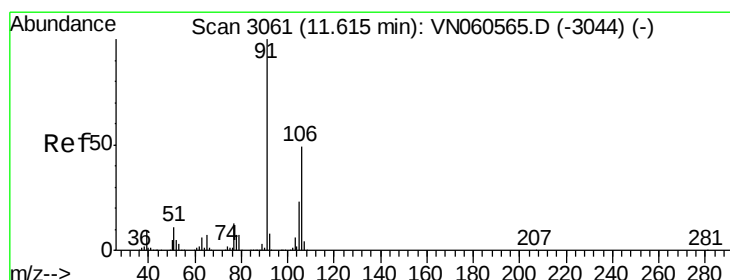
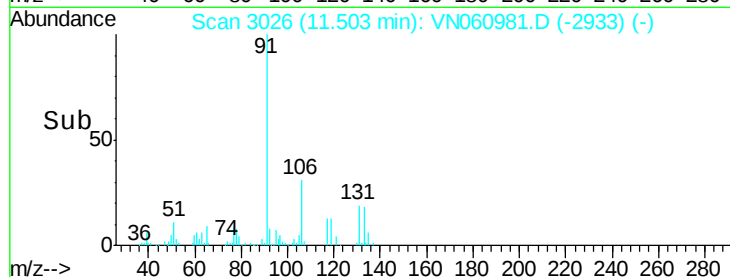
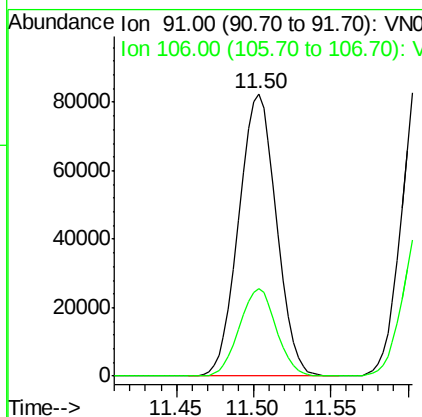
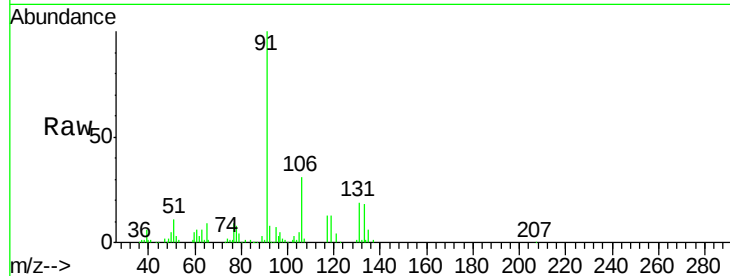
#67
Ethyl Benzene
Concen: 18.669 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion: 91 Resp: 139590
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2

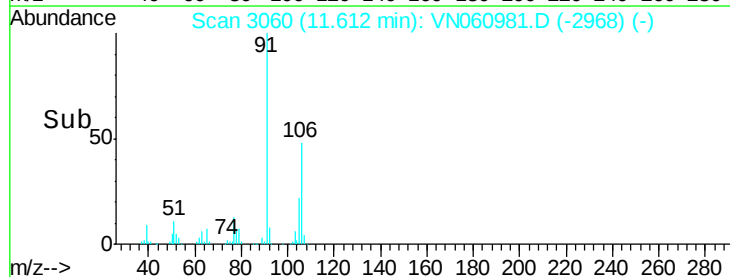
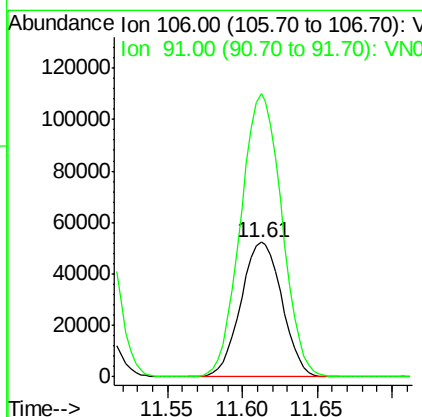
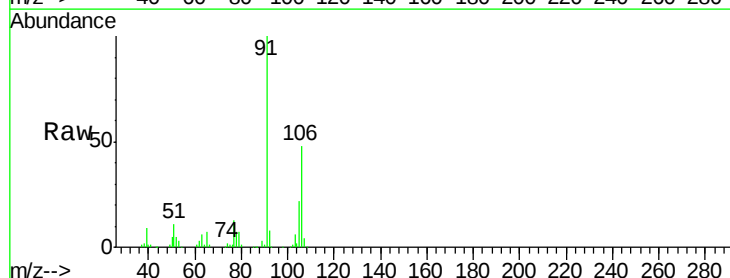
Manual Integrations
APPROVED

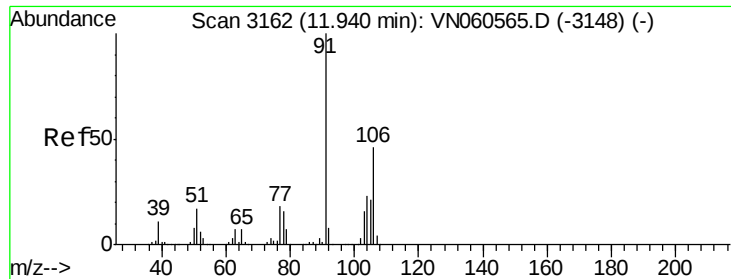
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#68
m/p-Xylenes
Concen: 36.104 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion: 106 Resp: 100314
Ion Ratio Lower Upper
106 100
91 210.1 165.0 247.4





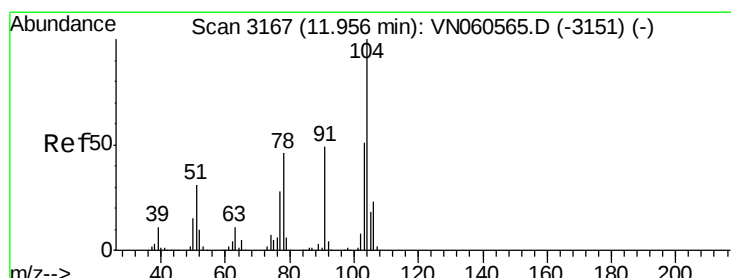
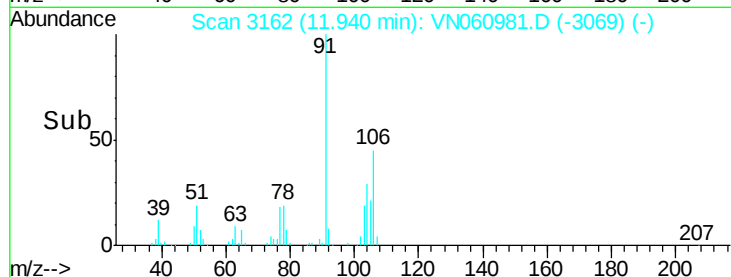
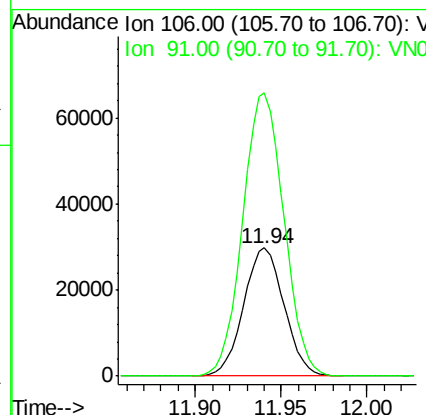
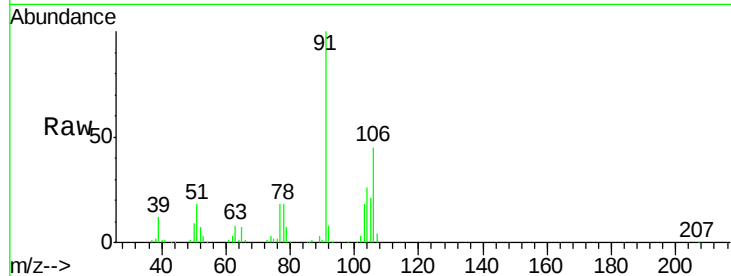
#69
o-Xylene
Concen: 18.405 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion:106 Resp: 48819
Ion Ratio Lower Upper
106 100
91 224.8 109.5 328.4

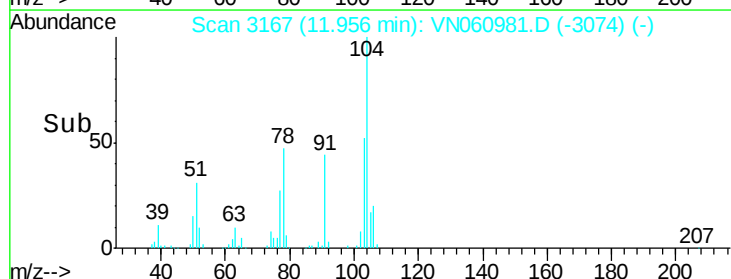
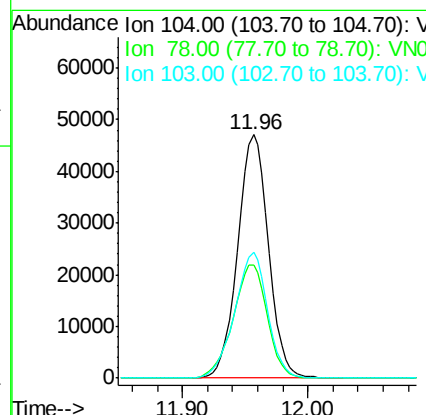
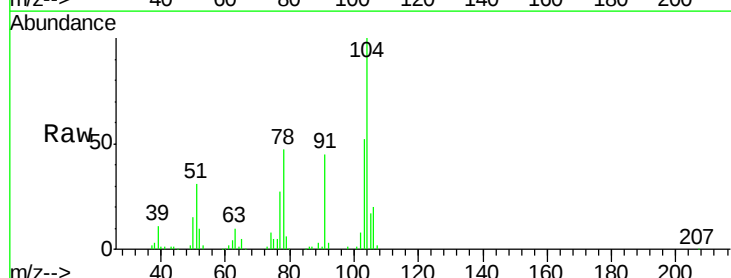
Manual Integrations
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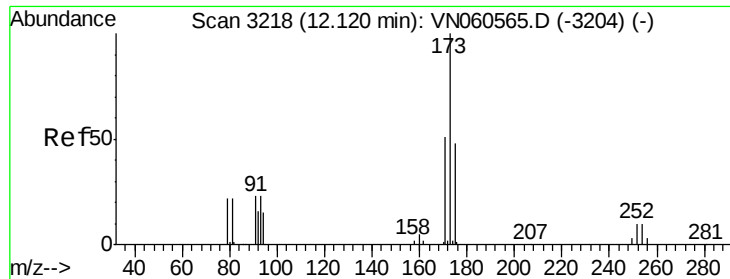
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#70
Styrene
Concen: 18.511 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion:104 Resp: 80300
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.1 44.0 66.0





#71

Bromoform

Concen: 18.619 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

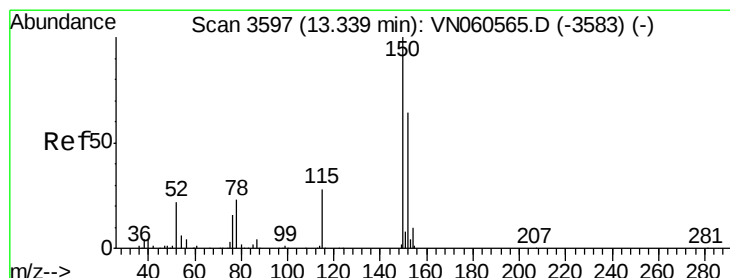
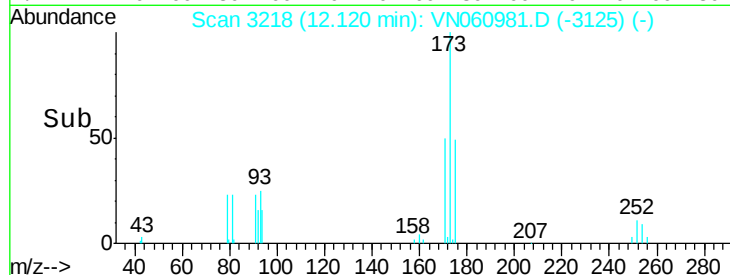
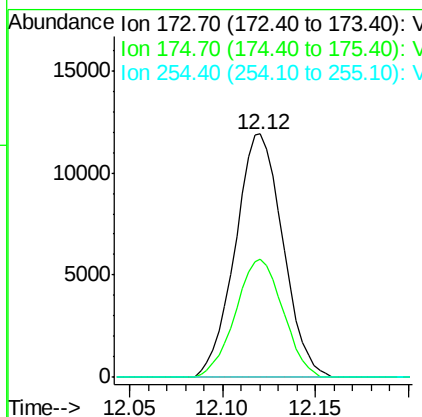
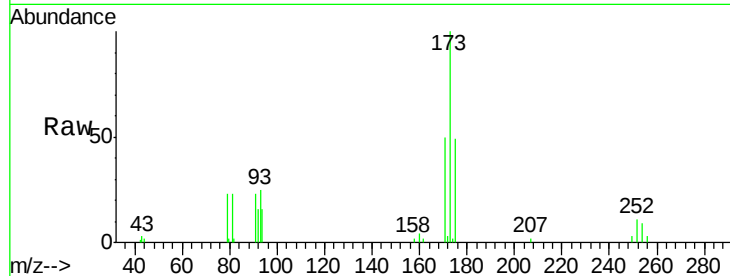
ClientSampleId :

VN0415WBSD02

Tot Ion:	173	Resp:	21207
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

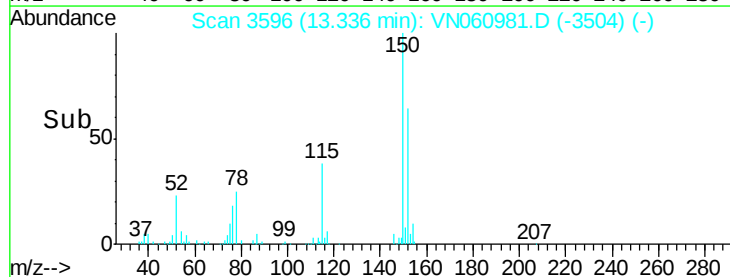
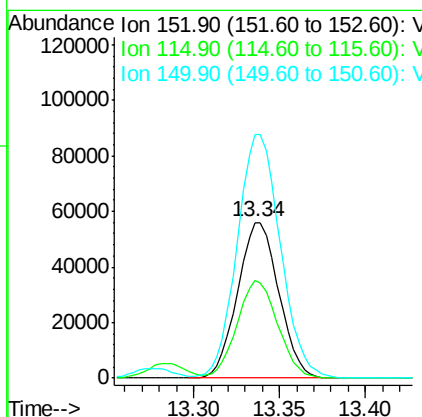
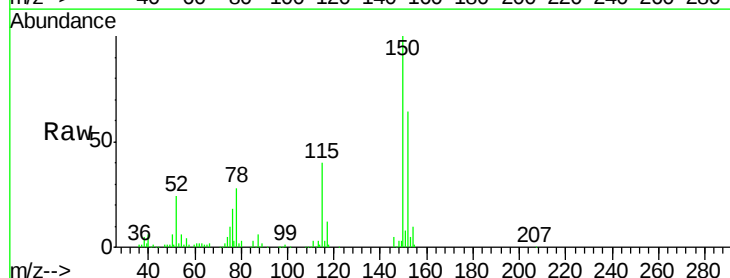
RT: 13.34 min Scan# 3596

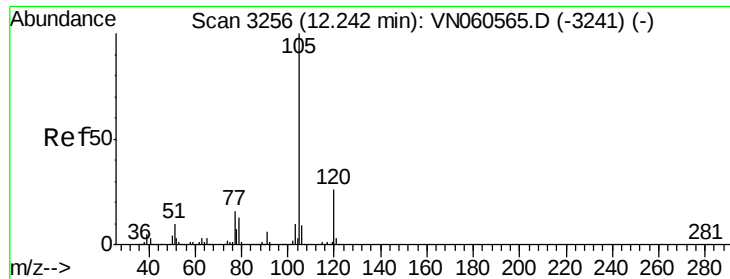
Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion:	152	Resp:	93416
Ion Ratio	Lower	Upper	
152	100		
115	61.6	30.2	90.6
150	163.6	0.0	350.2





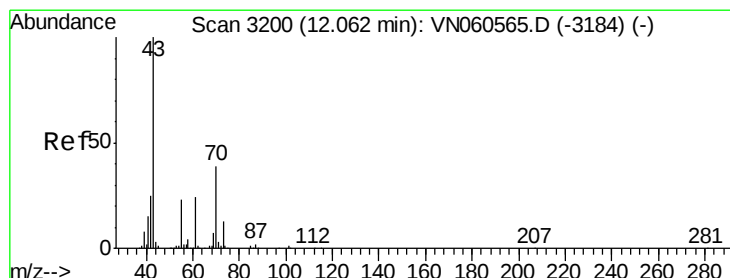
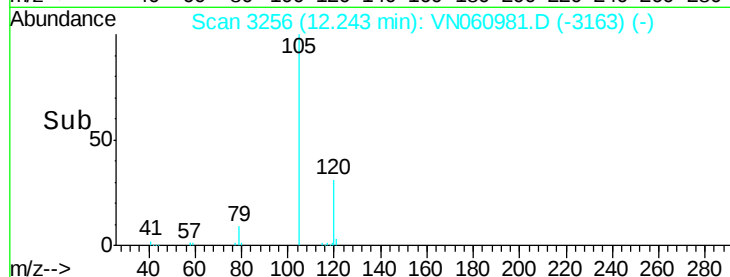
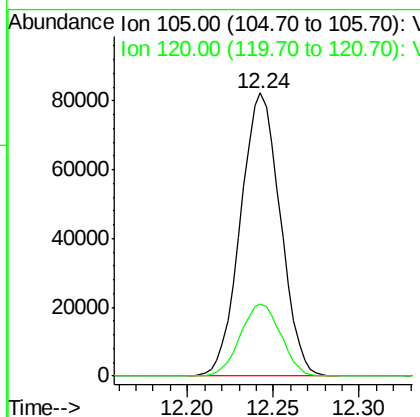
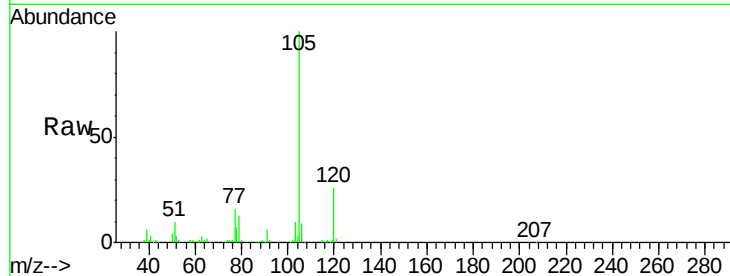
#73
Isopropylbenzene
Concen: 18.876 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.1

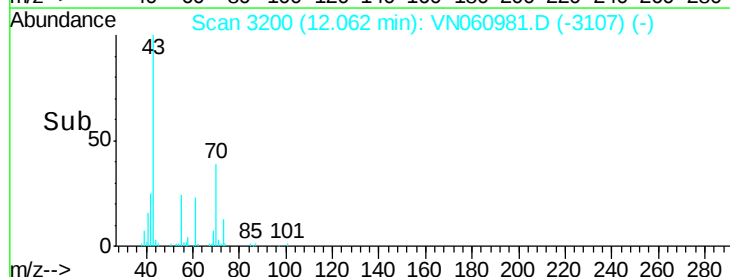
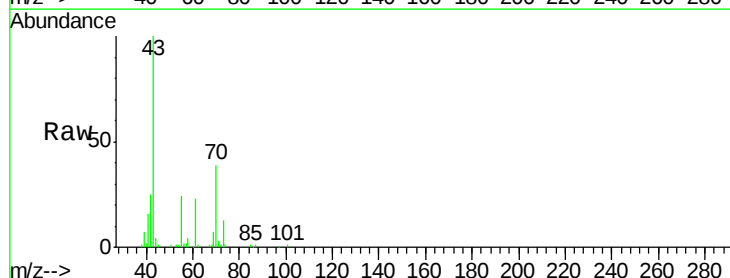
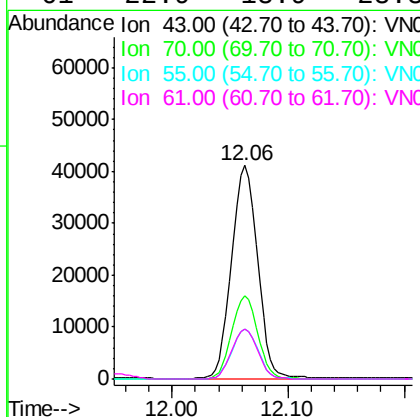
Manual Integrations
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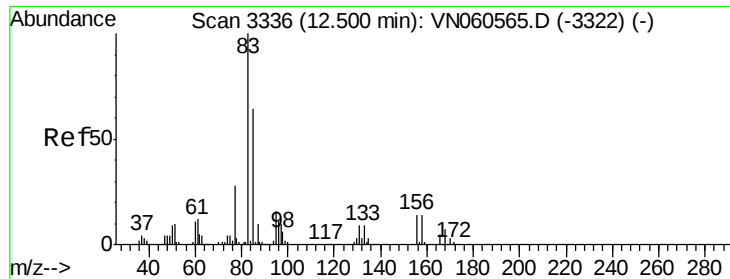
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#74
N-ethyl acetate
Concen: 19.920 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.1	46.7
55	23.4	18.6	27.8
61	22.9	18.9	28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.670 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

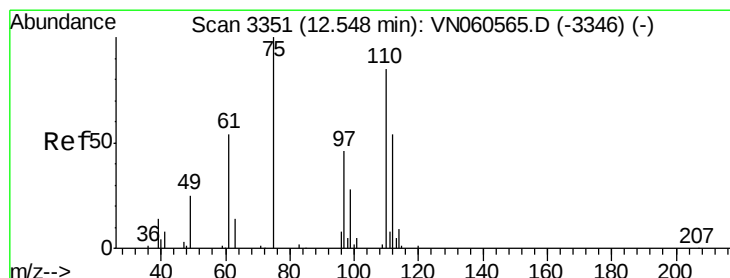
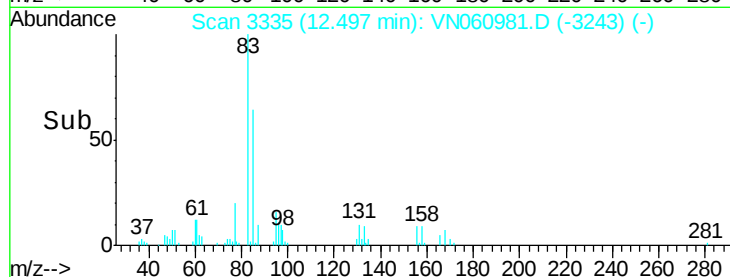
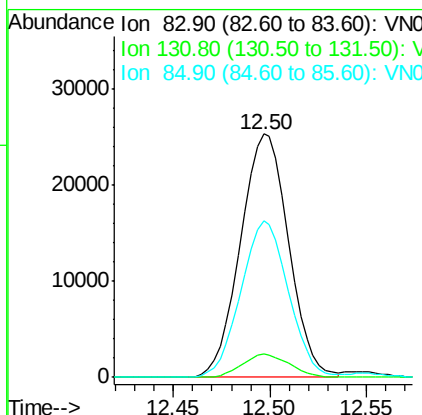
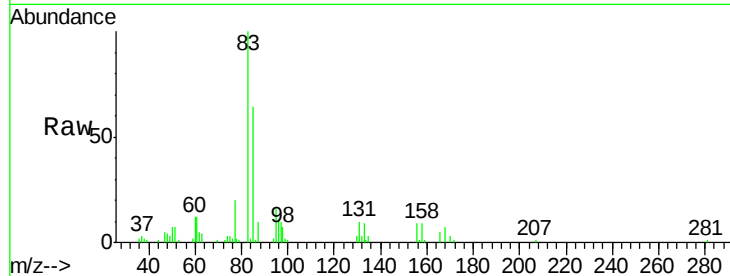
ClientSampleId :

VN0415WBSD02

Tot Ion:	83	Resp:	43821
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	63.3	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.821 ug/l m

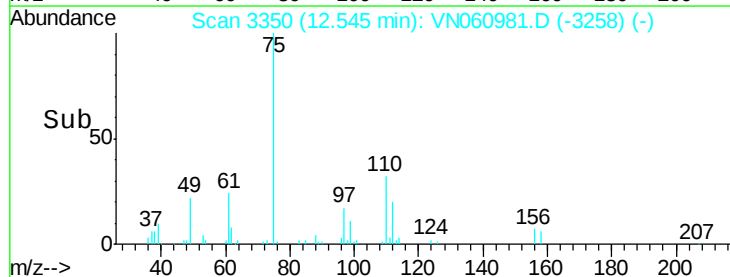
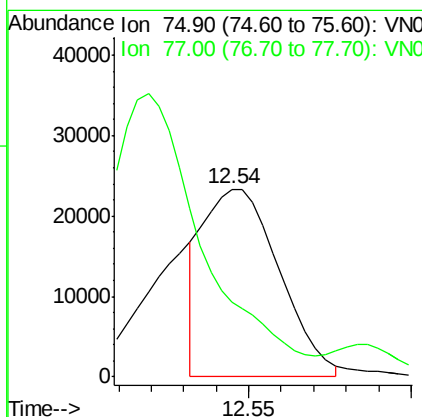
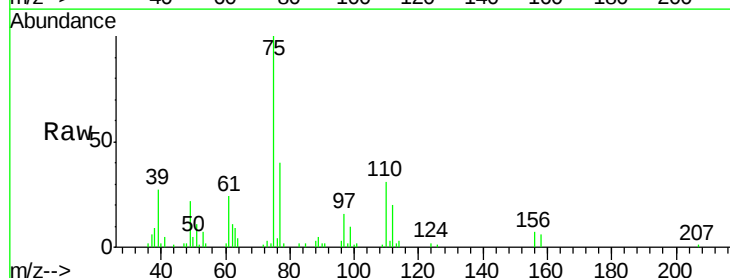
RT: 12.54 min Scan# 3350

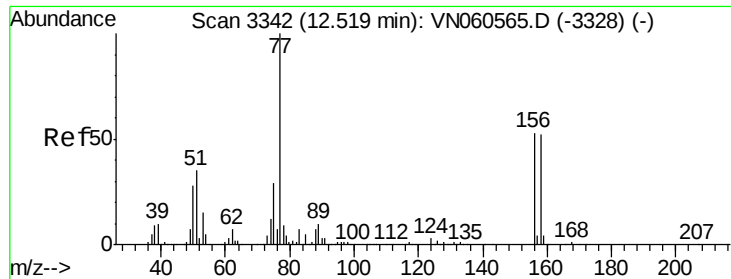
Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion:	75	Resp:	37937
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.650 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion:156 Resp: 31506

Ion Ratio Lower Upper

156 100

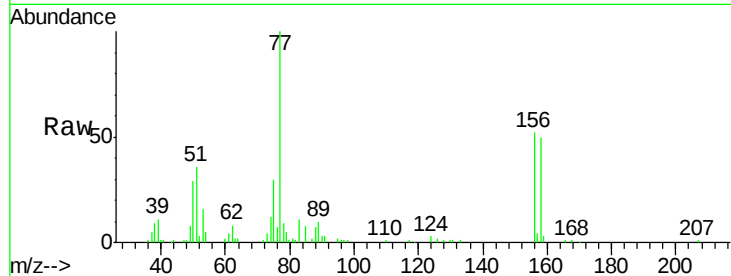
77 232.7 112.3 337.0

158 97.2 48.6 145.8

Manual Integrations
APPROVED

MMDadoda

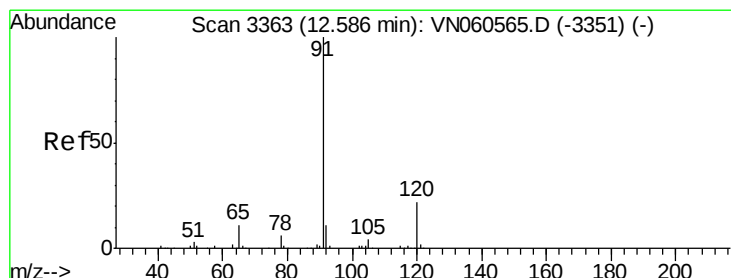
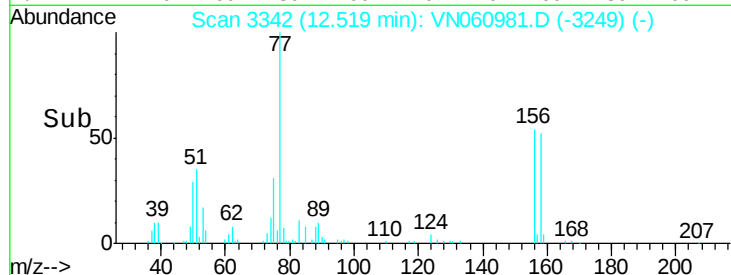
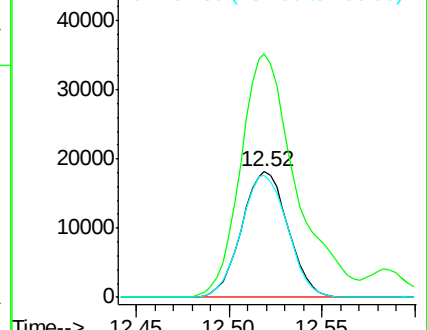
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.915 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060981.D

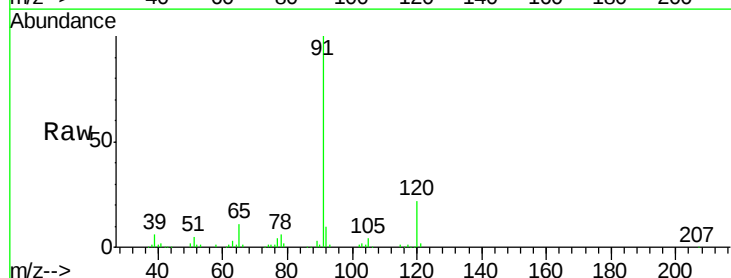
Acq: 15 Apr 2020 23:02

Tgt Ion: 91 Resp: 156664

Ion Ratio Lower Upper

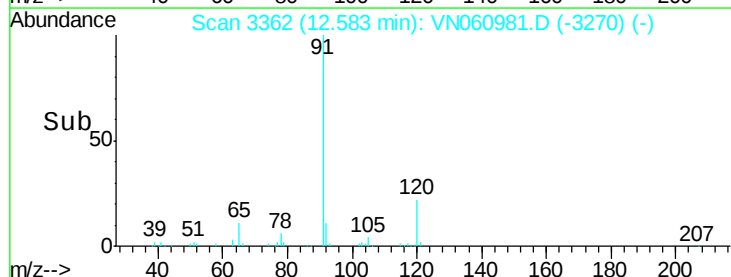
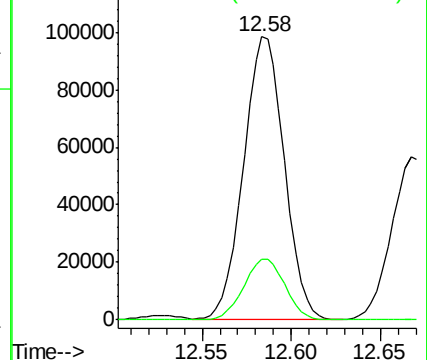
91 100

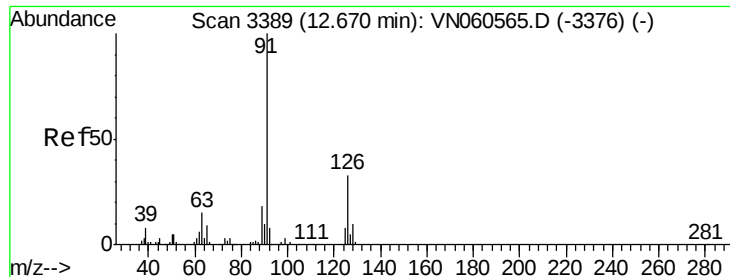
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.668 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion: 91 Resp: 92382

Ion Ratio Lower Upper

91 100

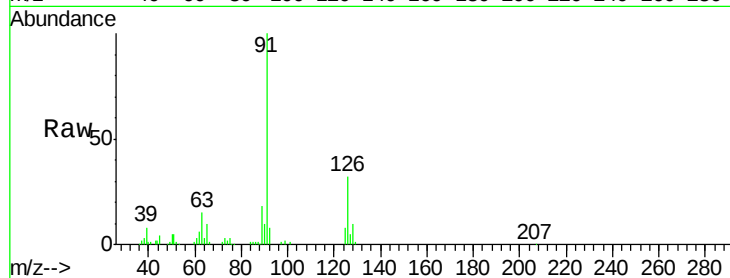
126 32.1 16.4 49.1

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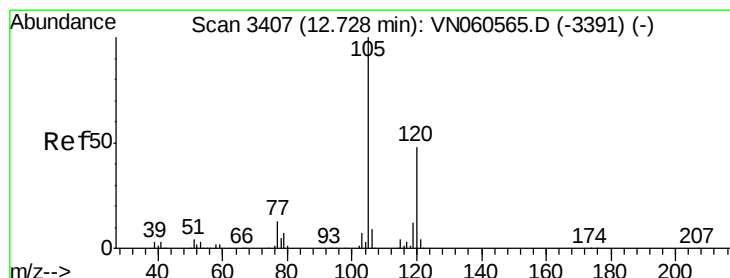
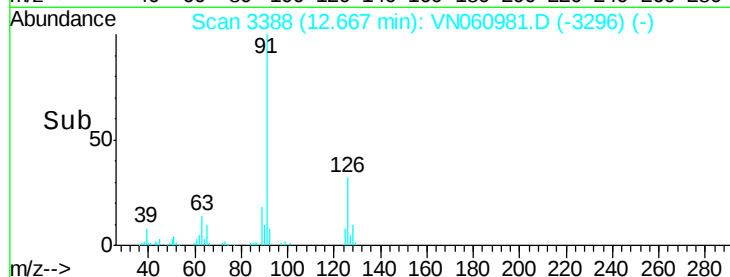
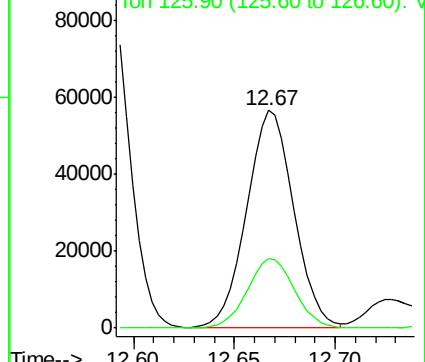
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Abundance Ion 91.00 (90.70 to 91.70): VN060981.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.362 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060981.D

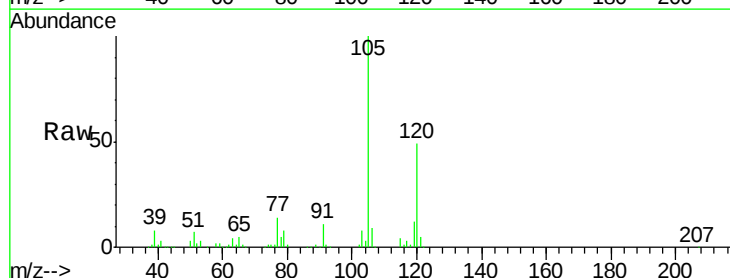
Acq: 15 Apr 2020 23:02

Tgt Ion: 105 Resp: 109240

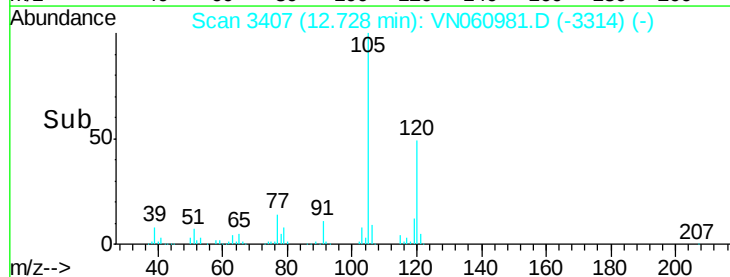
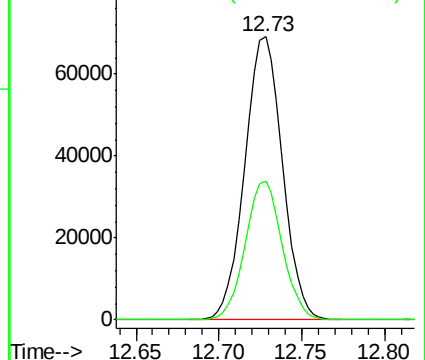
Ion Ratio Lower Upper

105 100

120 48.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060981.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.959 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

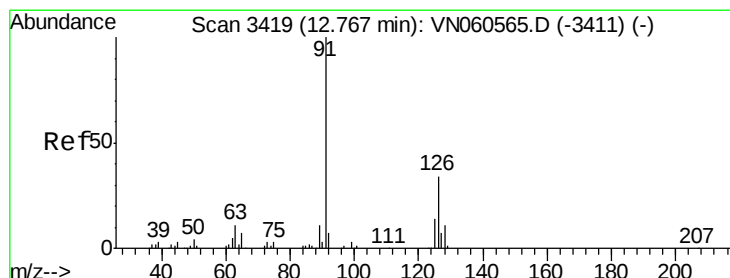
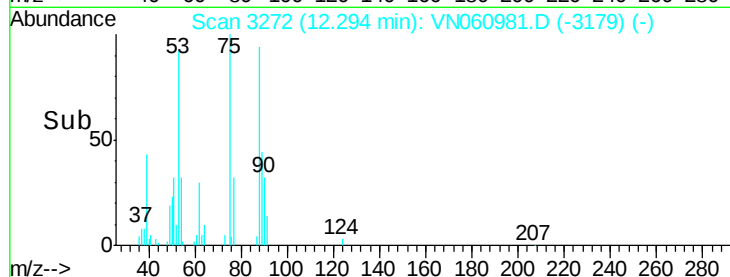
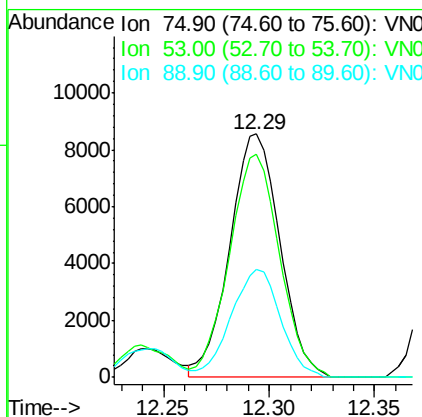
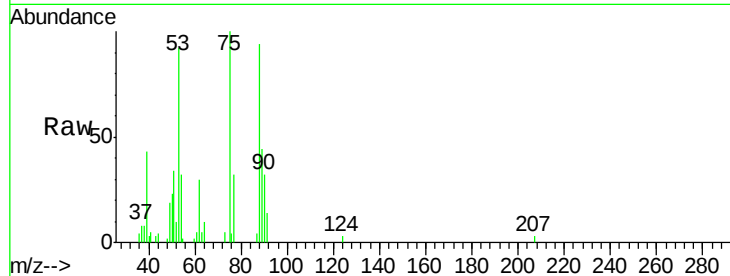
ClientSampleId :

VN0415WBSD02

Tot Ion:	75	Resp:	14095
Ion	Ratio	Lower	Upper
75	100		
53	92.1	73.0	109.4
89	44.0	34.8	52.2

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#82

4-Chlorotoluene

Concen: 18.867 ug/l

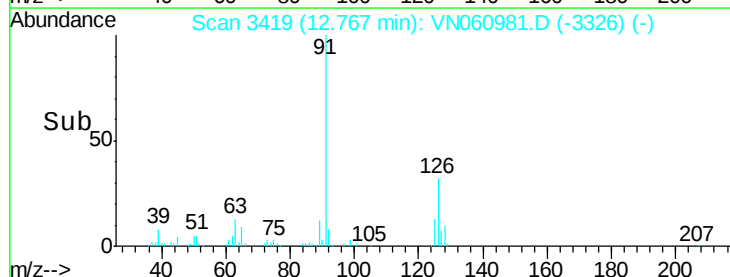
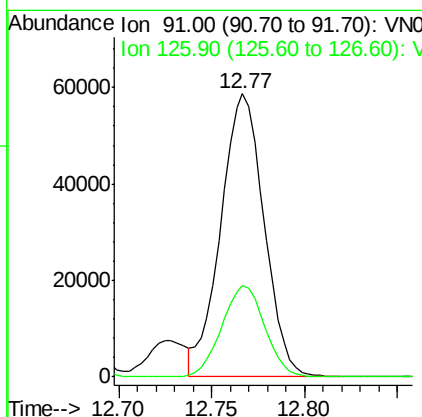
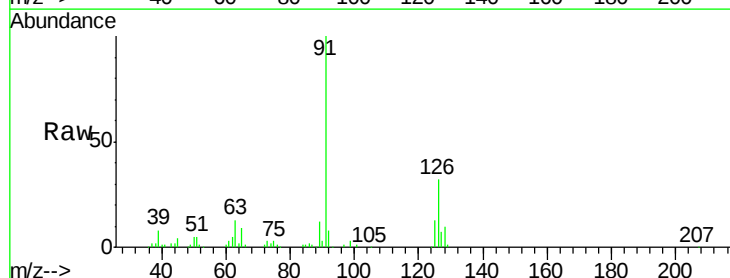
RT: 12.77 min Scan# 3419

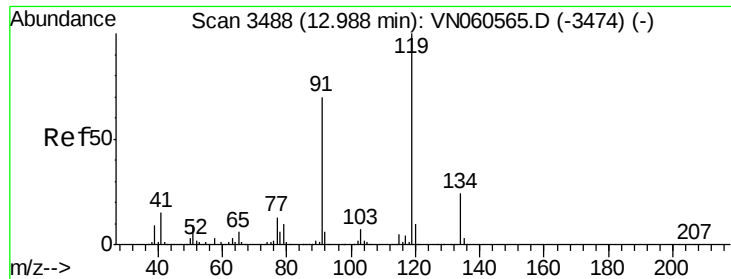
Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Tgt Ion:	91	Resp:	95093
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





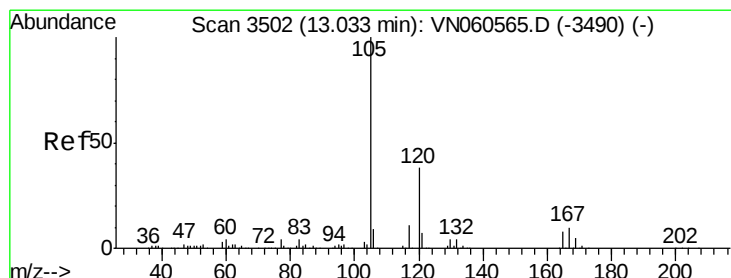
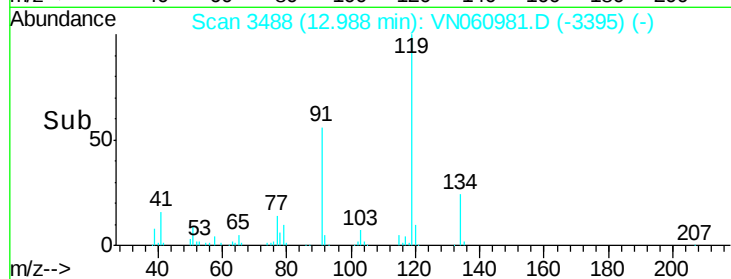
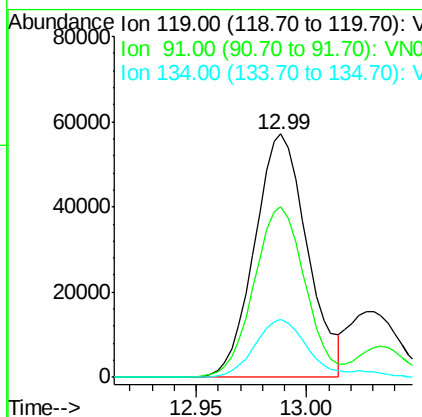
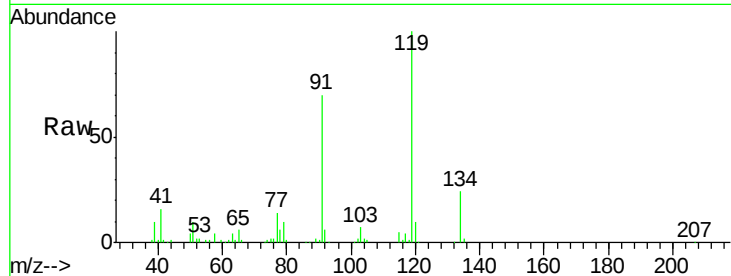
#83
tert-Butylbenzene
Concen: 19.156 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.0	101.8
134	23.4	12.7	38.0

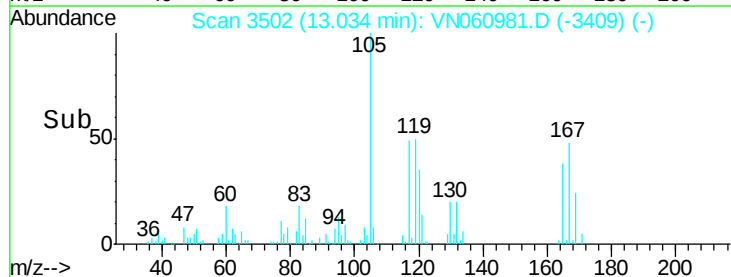
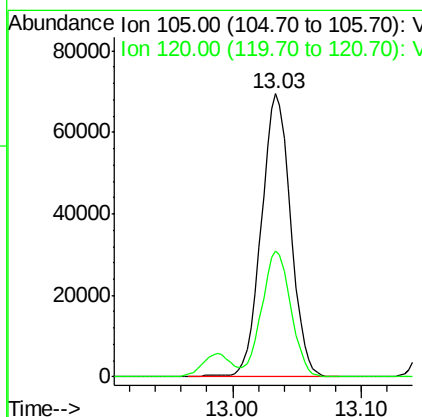
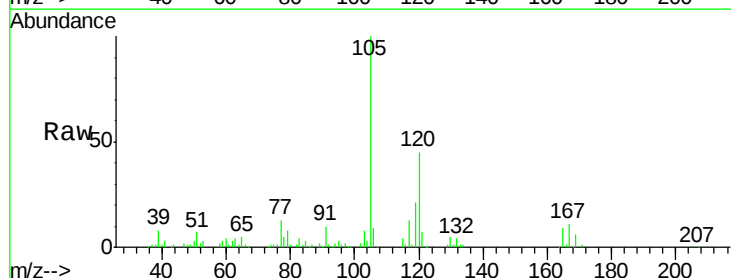
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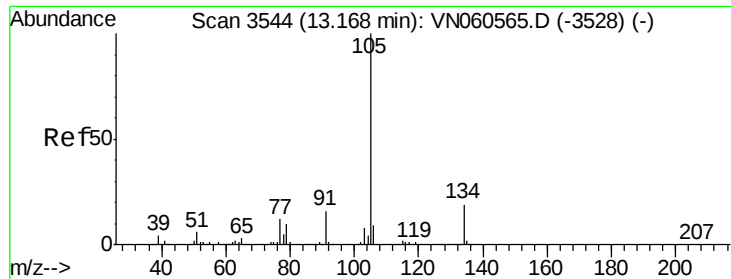
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#84
1,2,4-Trimethylbenzene
Concen: 18.745 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.170 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD02

Tot Ion:105 Resp: 127131

Ion Ratio Lower Upper

105 100

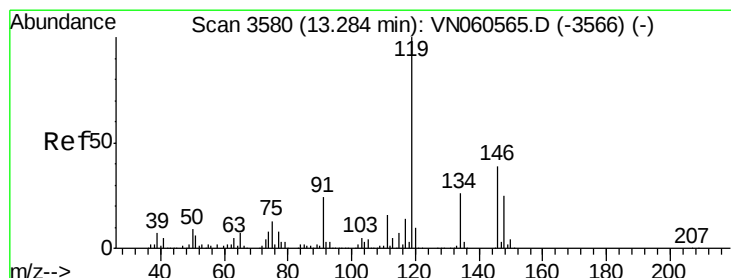
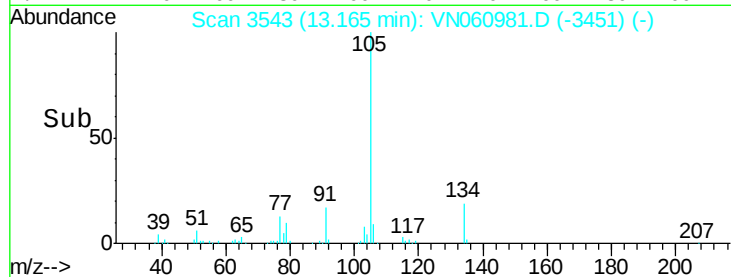
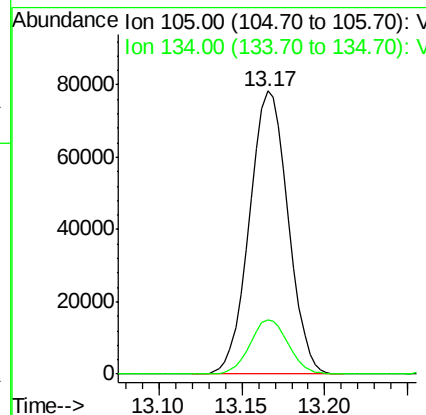
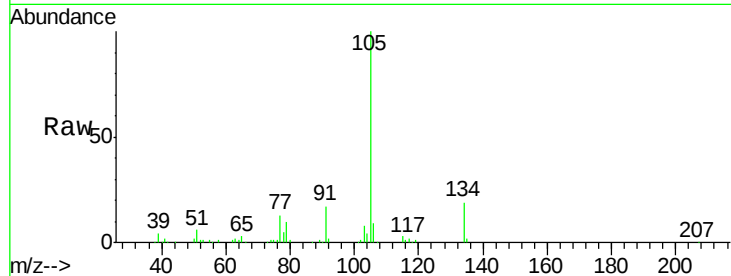
134 19.0 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 18.707 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060981.D

Acq: 15 Apr 2020 23:02

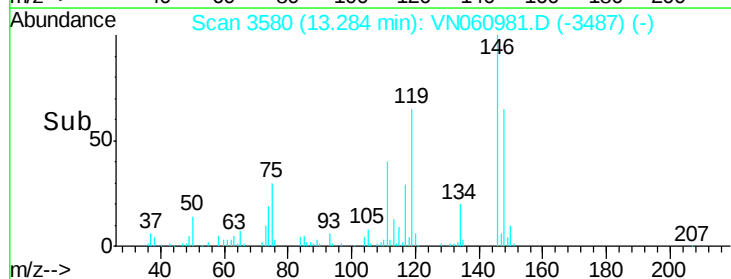
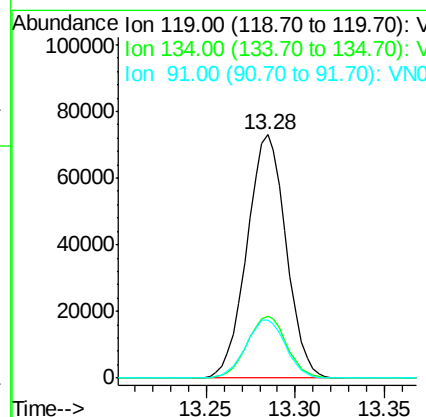
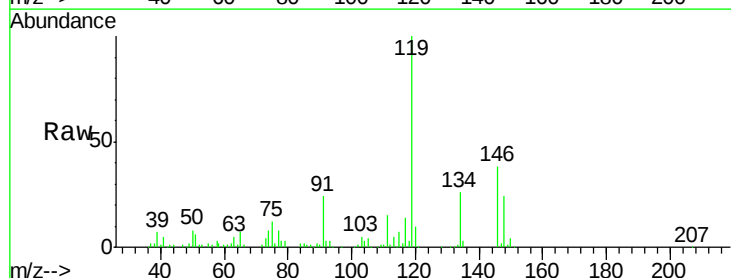
Tgt Ion:119 Resp: 111559

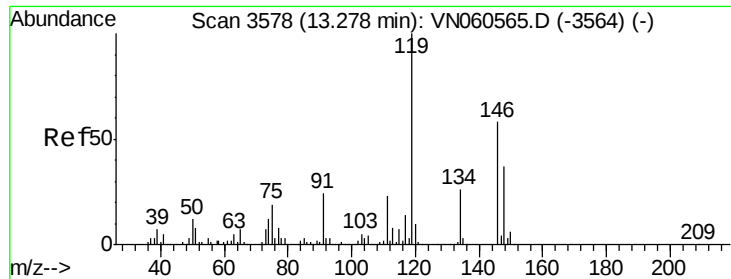
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 24.4 12.0 36.0





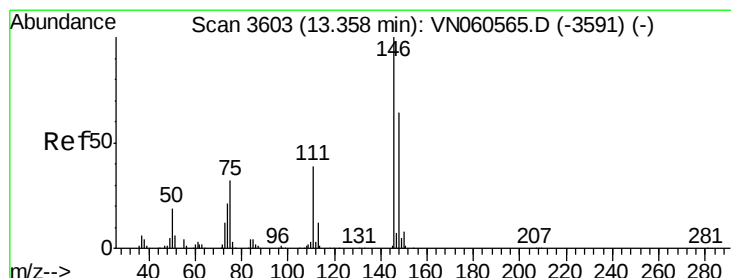
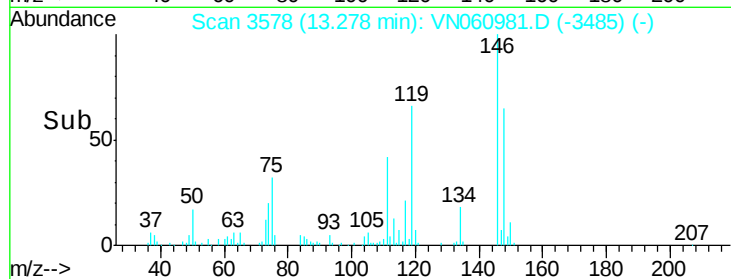
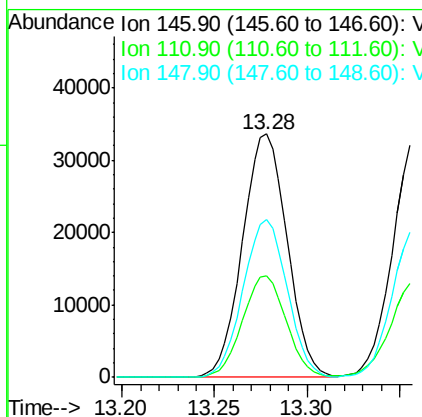
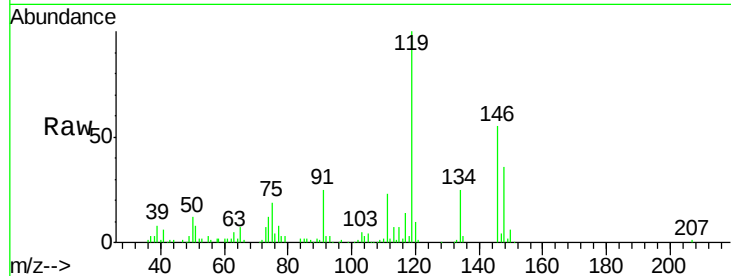
#87
 1,3-Dichlorobenzene
 Concen: 18.884 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.8
148	63.9	32.5	97.4

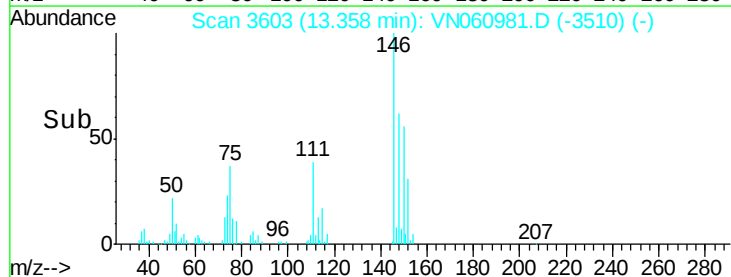
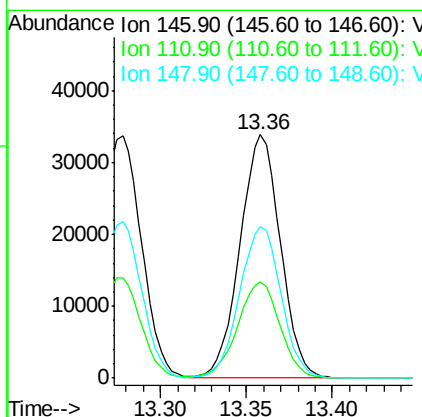
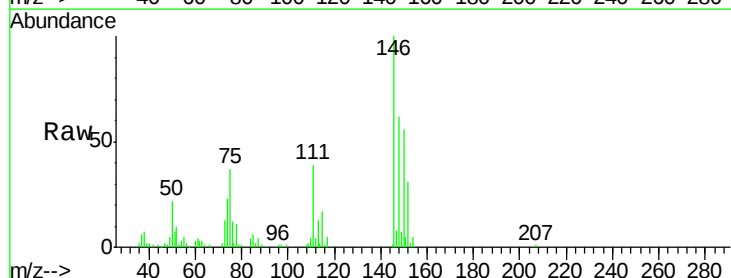
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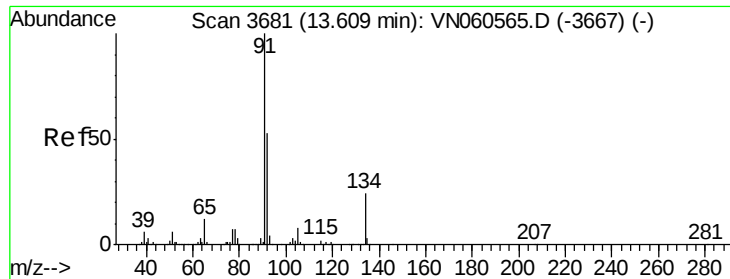
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#88
 1,4-Dichlorobenzene
 Concen: 18.492 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.6	58.7
148	63.9	32.1	96.3





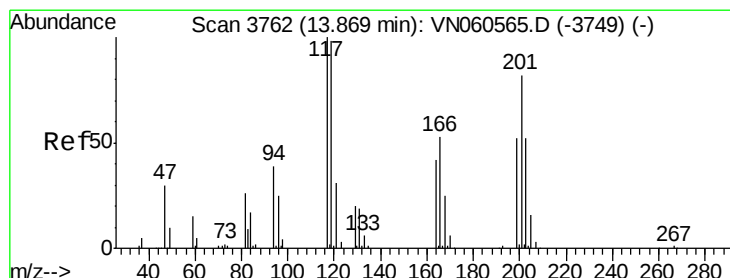
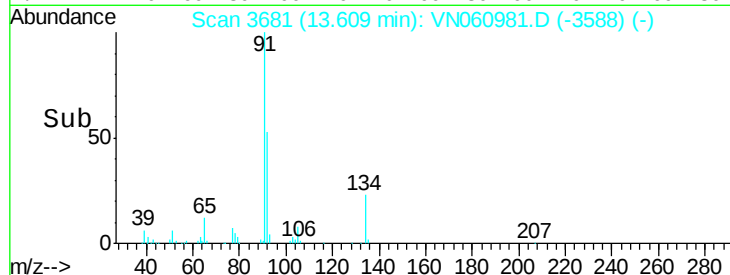
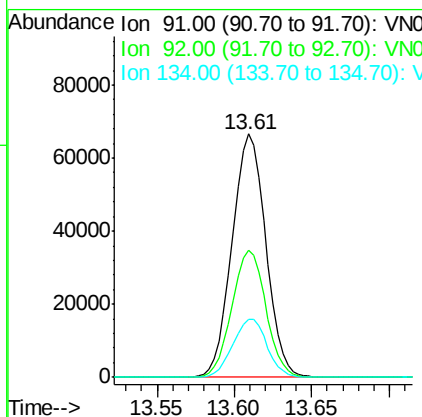
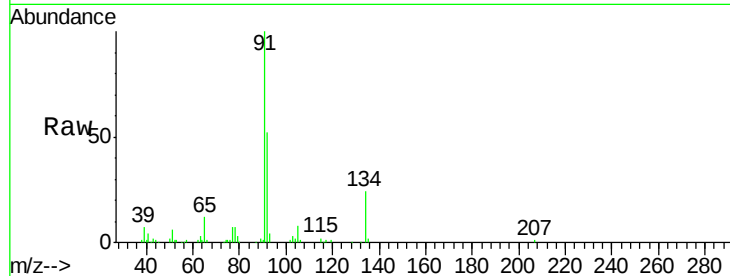
#89
n-Butylbenzene
Concen: 18.718 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	24.3	12.3	36.9

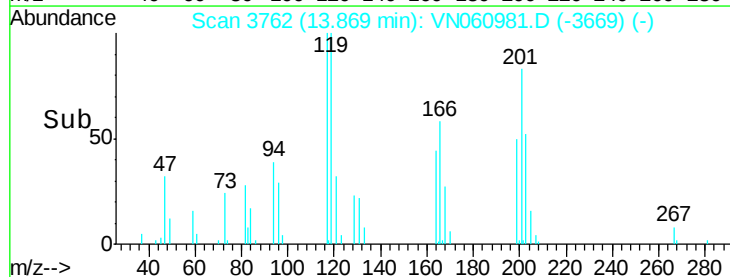
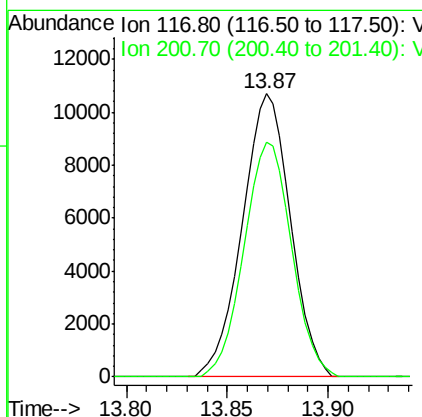
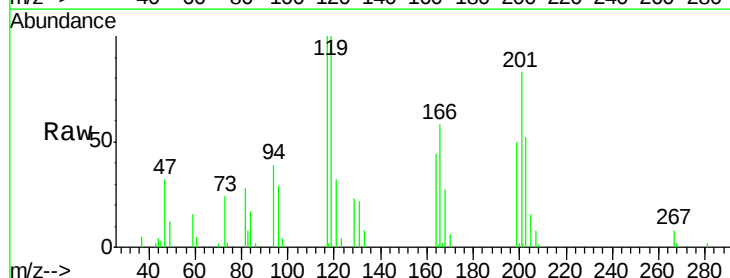
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#90
Hexachloroethane
Concen: 20.607 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	40.8	122.5





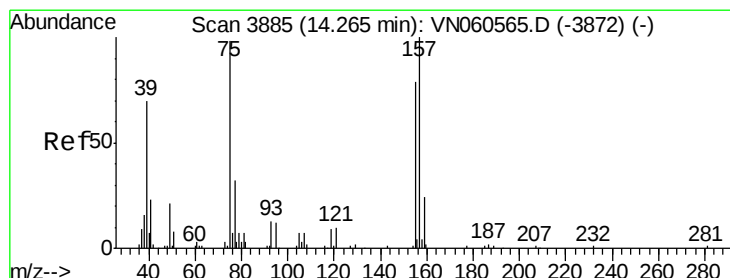
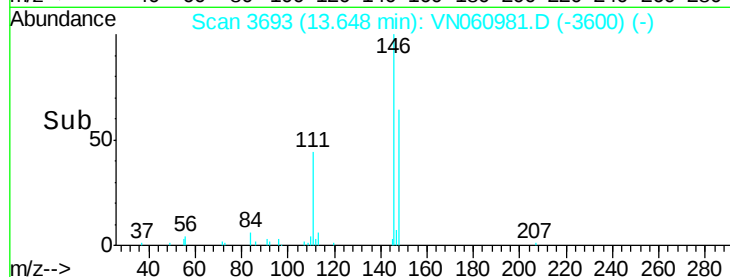
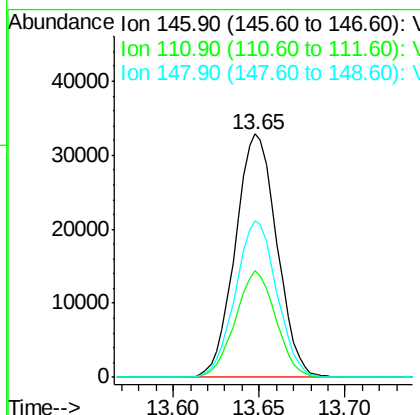
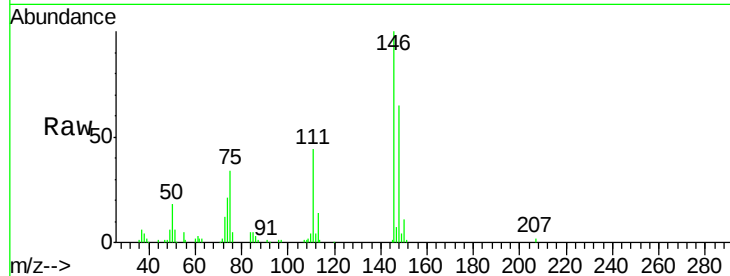
#91
 1,2-Dichlorobenzene
 Concen: 19.320 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.0	63.0
148	64.1	31.9	95.5

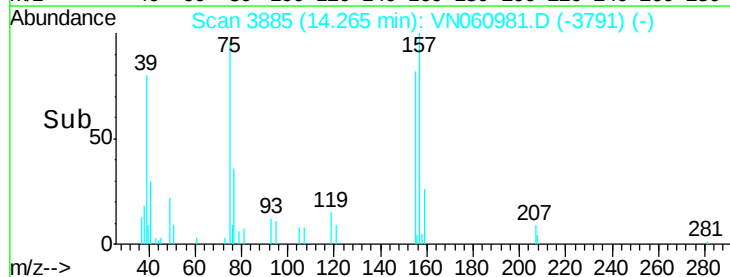
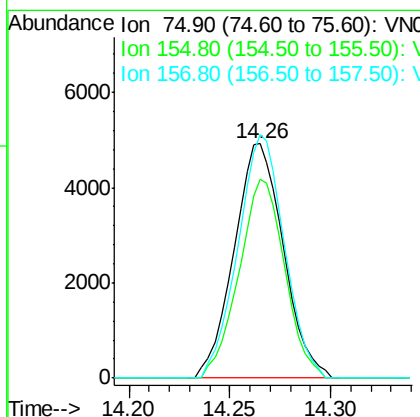
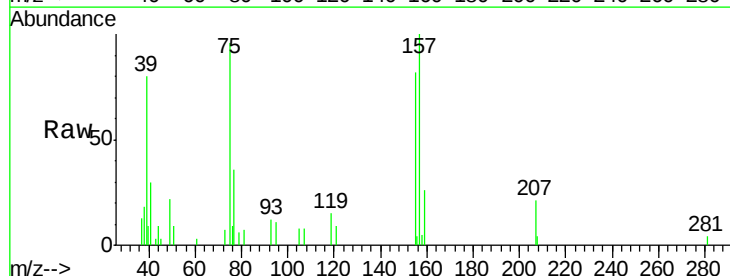
Manual Integrations
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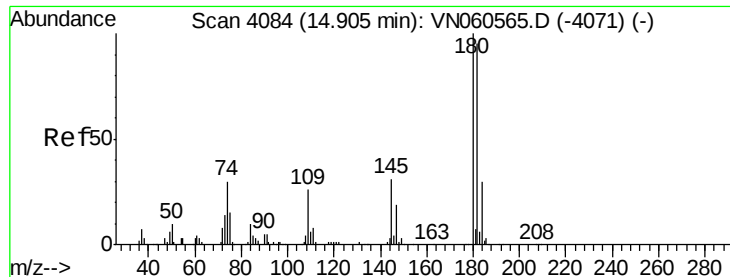
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.815 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	40.7	122.1
157	97.8	51.5	154.7





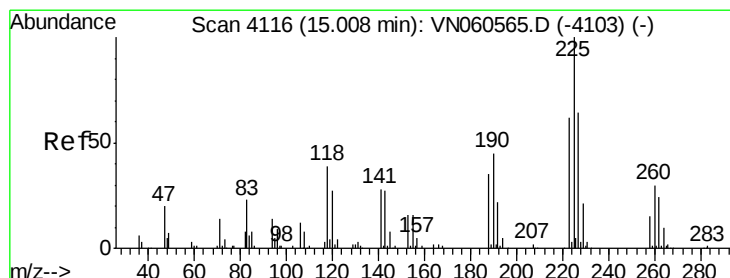
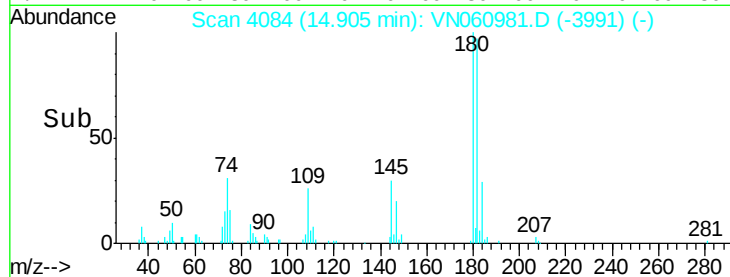
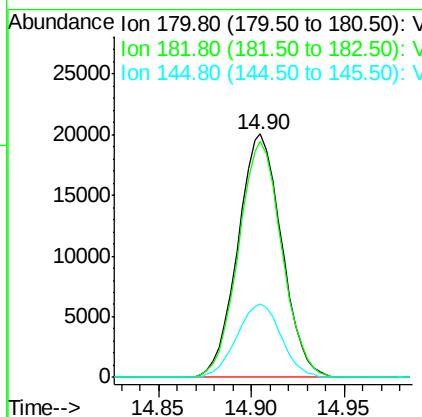
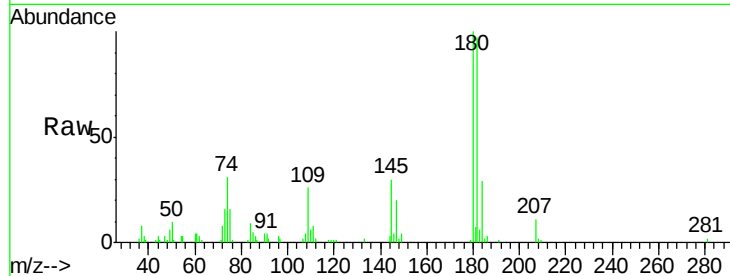
#93
 1,2,4-Trichlorobenzene
 Concen: 18.833 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	30.4	15.4	46.2

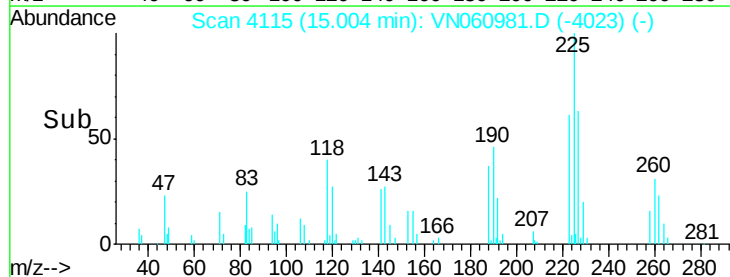
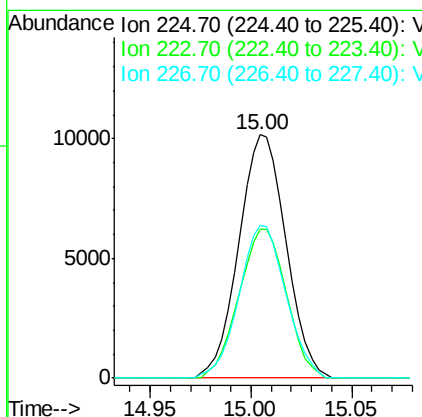
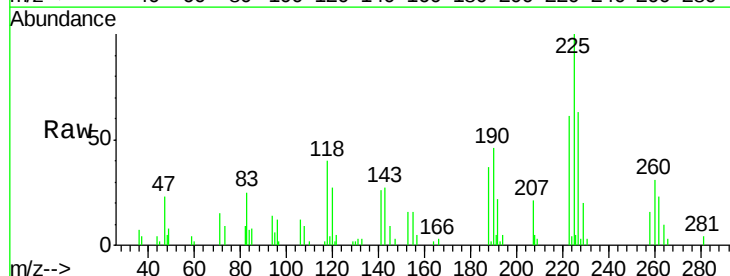
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#94
 Hexachlorobutadiene
 Concen: 19.414 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060981.D
 Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.6	95.0
227	62.2	32.3	96.8





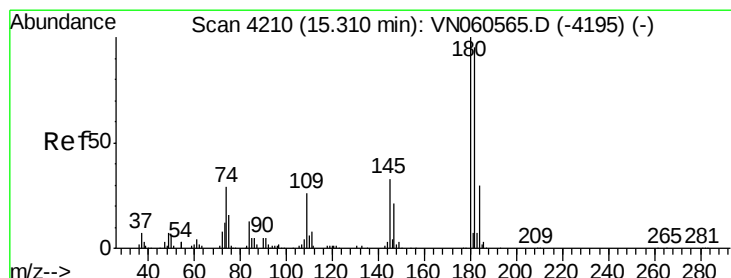
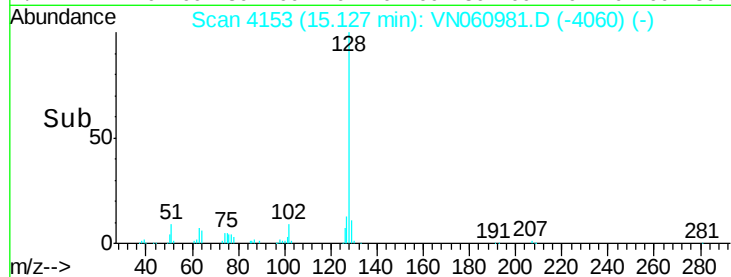
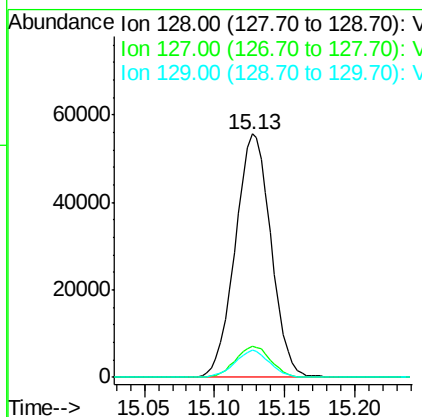
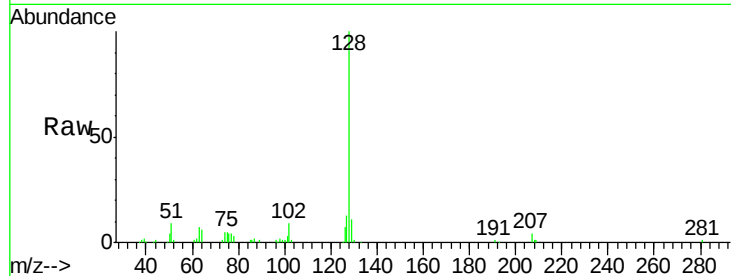
#95
Naphthalene
Concen: 18.769 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.429 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060981.D
Acq: 15 Apr 2020 23:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.5	142.6
145	31.8	16.3	48.8

