

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057776.D
 Acq On : 8 Sep 2019 00:39
 Operator : JC/SP
 Sample : VN0907WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:02:56 PM

Quant Time: Sep 08 07:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	196533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	311141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	289066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	159959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	218689	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
35) Dibromofluoromethane	7.58	113	143282	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.08	98	523700	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	200085	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57574	18.447	ug/l	98
3) Chloromethane	2.03	50	57852	13.101	ug/l	99
4) Vinyl Chloride	2.16	62	49294	18.238	ug/l	98
5) Bromomethane	2.54	94	27319	22.008	ug/l	98
6) Chloroethane	2.68	64	28586	17.915	ug/l #	89
7) Trichlorofluoromethane	2.99	101	74937	17.276	ug/l	98
8) Diethyl Ether	3.39	74	30983	17.876	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48954	18.083	ug/l	94
10) Methyl Iodide	3.93	142	61705	23.005	ug/l	97
11) Tert butyl alcohol	4.76	59	49670	91.437	ug/l #	83
12) 1,1-Dichloroethene	3.71	96	46256	18.991	ug/l	99
13) Acrolein	3.59	56	21027	81.393	ug/l	98
14) Allyl chloride	4.30	41	87315	15.687	ug/l	93
15) Acrylonitrile	4.96	53	136941	98.054	ug/l	98
16) Acetone	3.80	43	134912	91.695	ug/l	96
17) Carbon Disulfide	4.03	76	92743	16.806	ug/l	99
18) Methyl Acetate	4.30	43	77494	19.368	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	189637	18.545	ug/l	100
20) Methylene Chloride	4.52	84	57399	18.043	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	48392	18.881	ug/l	95
22) Diisopropyl ether	5.93	45	214977	18.258	ug/l	98
23) Vinyl Acetate	5.87	43	868261	91.106	ug/l	100
24) 1,1-Dichloroethane	5.83	63	109775	18.183	ug/l	99
25) 2-Butanone	6.82	43	201060	95.424	ug/l	99
26) 2,2-Dichloropropane	6.81	77	64060	12.719	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	62614	19.463	ug/l	91
28) Bromochloromethane	7.18	49	61682	19.527	ug/l	93
29) Tetrahydrofuran	7.20	42	130122	95.761	ug/l	98
30) Chloroform	7.36	83	119258	18.957	ug/l	96
31) Cyclohexane	7.64	56	93762	17.473	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	98992	18.892	ug/l	100
36) 1,1-Dichloropropene	7.78	75	77870	18.813	ug/l	97
37) Ethyl Acetate	6.91	43	86499	21.049	ug/l #	93
38) Carbon Tetrachloride	7.76	117	79902	20.160	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	82231	18.782	ug/l	95
40) Benzene	8.03	78	233669	19.958	ug/l	99
41) Methacrylonitrile	7.17	41	45245m	22.524	ug/l	
42) 1,2-Dichloroethane	8.11	62	106614	19.427	ug/l	98
43) Isopropyl Acetate	8.15	43	149150	18.909	ug/l	100
44) Trichloroethene	8.83	130	57118	21.707	ug/l	96
45) 1,2-Dichloropropane	9.11	63	64680	19.753	ug/l	100
46) Dibromomethane	9.20	93	44465	21.170	ug/l	98
47) Bromodichloromethane	9.40	83	85409	19.134	ug/l	97
48) Methyl methacrylate	9.19	41	77374	19.074	ug/l	97
49) 1,4-Dioxane	9.19	88	20859	441.936	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	451629	103.101	ug/l	99
52) Toluene	10.15	92	142178	20.036	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	77294	17.260	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	88322	18.254	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	59858	20.961	ug/l	97
56) Ethyl methacrylate	10.43	69	88743	19.470	ug/l	99
57) 1,3-Dichloropropane	10.71	76	102370	19.956	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	230596	99.719	ug/l	98
59) 2-Hexanone	10.75	43	316895	102.591	ug/l	97
60) Dibromochloromethane	10.90	129	54883	19.016	ug/l	98
61) 1,2-Dibromoethane	11.00	107	57963	21.143	ug/l	99
64) Tetrachloroethene	10.63	164	48697	21.608	ug/l	96
65) Chlorobenzene	11.43	112	150011	19.894	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	53070	20.227	ug/l	96
67) Ethyl Benzene	11.51	91	286681	19.705	ug/l	99
68) m/p-Xylenes	11.62	106	201696	40.251	ug/l	97
69) o-Xylene	11.95	106	99347	20.022	ug/l	98
70) Styrene	11.97	104	171359	19.959	ug/l	98
71) Bromoform	12.13	173	33051	19.007	ug/l #	100
73) Isopropylbenzene	12.25	105	276297	19.537	ug/l	100
74) N-amyl acetate	12.07	43	127436	18.039	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	86476	20.392	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	71607m	19.494	ug/l	
77) Bromobenzene	12.53	156	67985	22.128	ug/l	85
78) n-propylbenzene	12.59	91	324045	19.287	ug/l	98
79) 2-Chlorotoluene	12.68	91	194433	19.009	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	236282	19.669	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18067	15.297	ug/l	94
82) 4-Chlorotoluene	12.78	91	205259	19.485	ug/l	100
83) tert-Butylbenzene	13.00	119	206945	20.434	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	241580	20.301	ug/l	98
85) sec-Butylbenzene	13.17	105	266726	19.117	ug/l	97
86) p-Isopropyltoluene	13.29	119	240200	20.314	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	117095	20.387	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	117064	20.375	ug/l	98
89) n-Butylbenzene	13.62	91	216034	18.474	ug/l	99
90) Hexachloroethane	13.88	117	34514	18.628	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	118193	20.901	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	15680	18.769	ug/l	88

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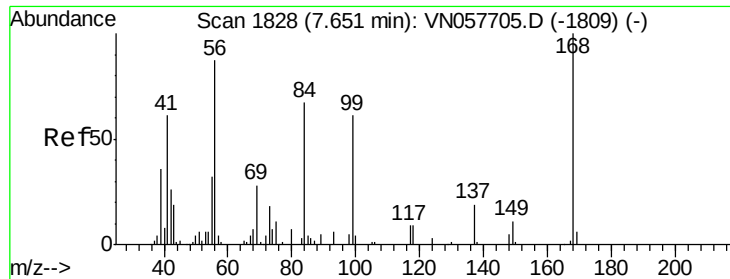
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73949	21.859	ug/l	99
94) Hexachlorobutadiene	15.01	225	37815	22.933	ug/l	98
95) Naphthalene	15.13	128	198397	20.215	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	72030	22.213	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion:168 Resp: 196533

Ion Ratio Lower Upper

168 100

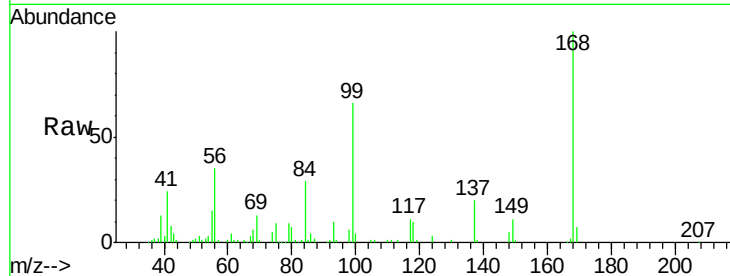
99 65.0 57.4 86.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

80000

60000

40000

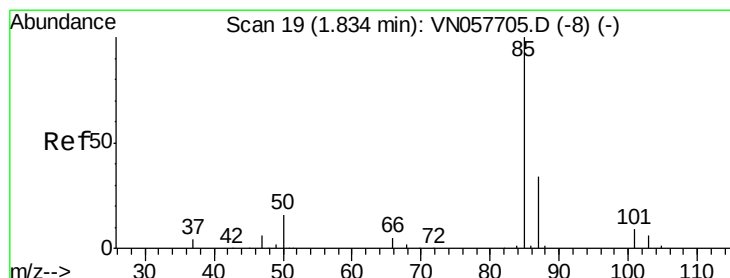
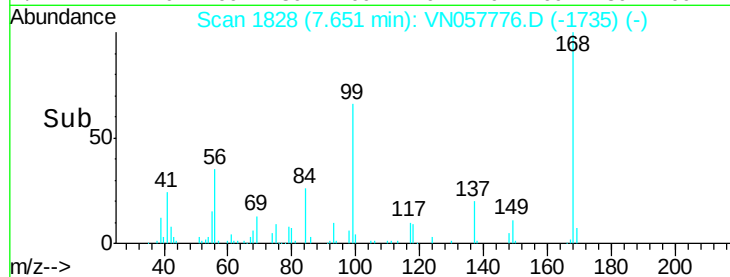
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.447 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057776.D

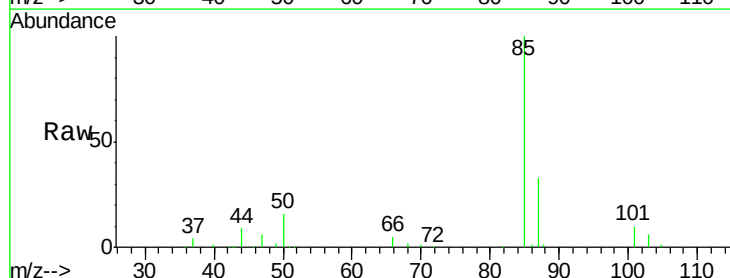
Acq: 8 Sep 2019 00:39

Tgt Ion: 85 Resp: 57574

Ion Ratio Lower Upper

85 100

87 32.7 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

50000

40000

30000

20000

10000

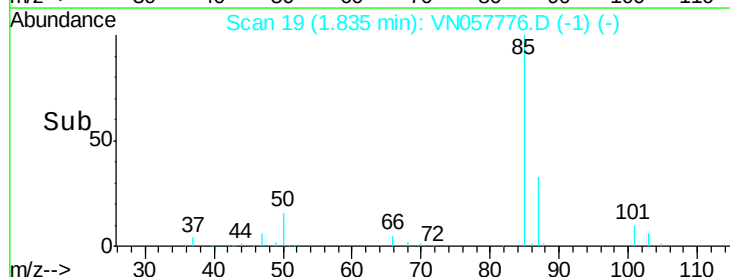
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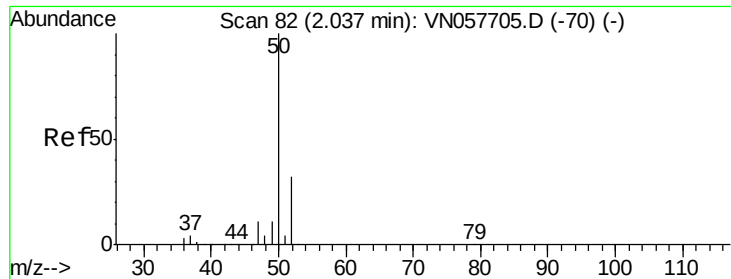
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 13.101 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion: 50 Resp: 57852

Ion Ratio Lower Upper

50 100

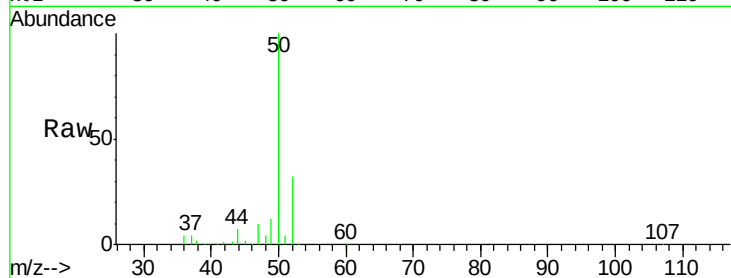
52 32.0 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

50000

40000

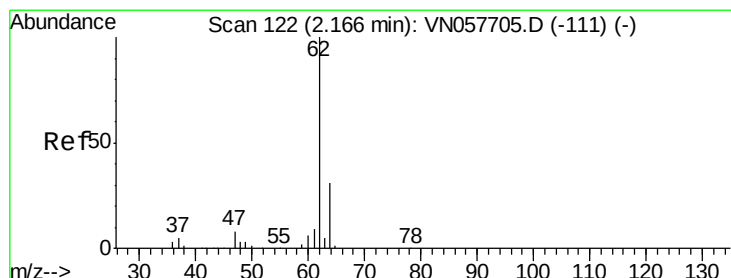
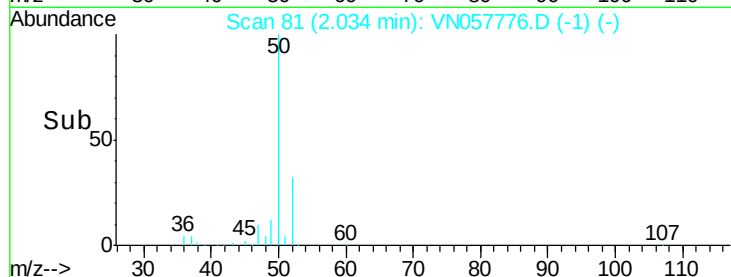
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 18.238 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057776.D

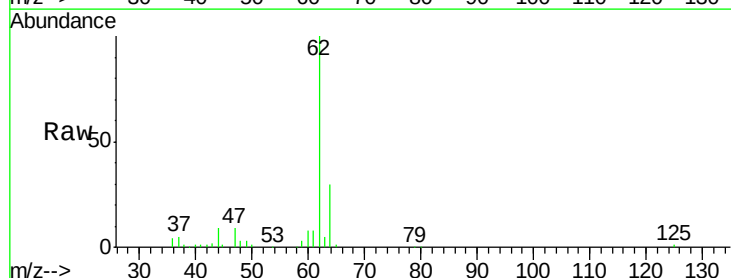
Acq: 8 Sep 2019 00:39

Tgt Ion: 62 Resp: 49294

Ion Ratio Lower Upper

62 100

64 30.0 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

40000

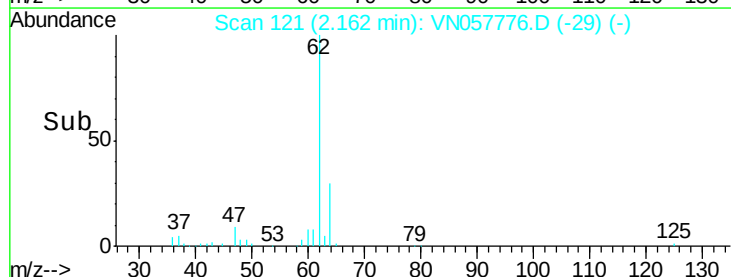
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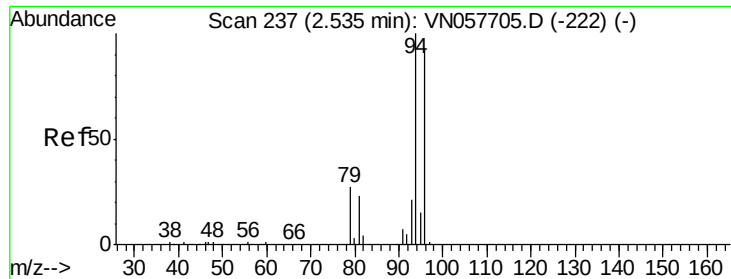
20000

10000

0

Time-->





#5

Bromomethane

Concen: 22.008 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion: 94 Resp: 27319

Ion Ratio Lower Upper

94 100

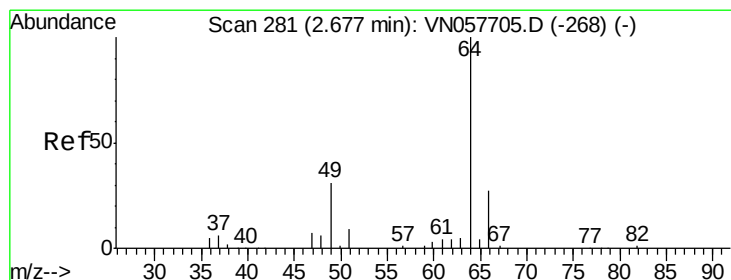
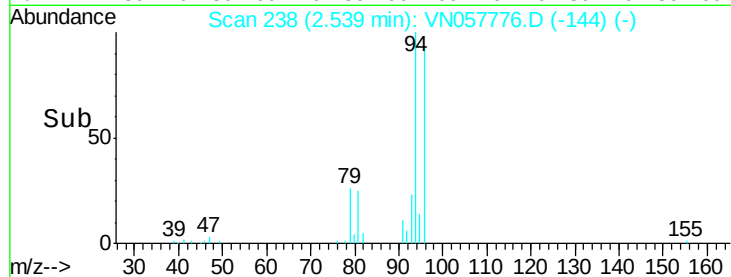
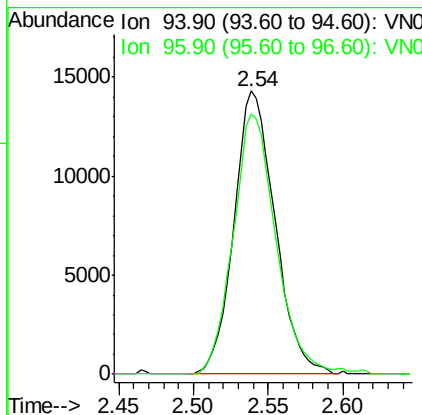
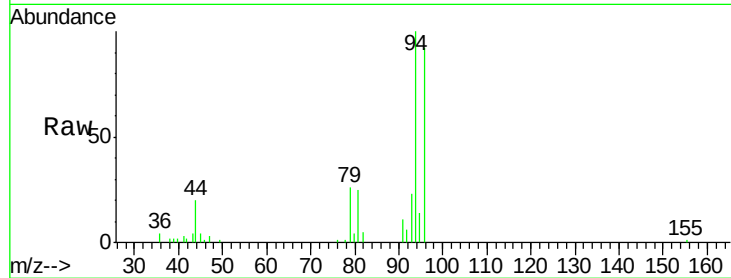
96 91.8 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 17.915 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN057776.D

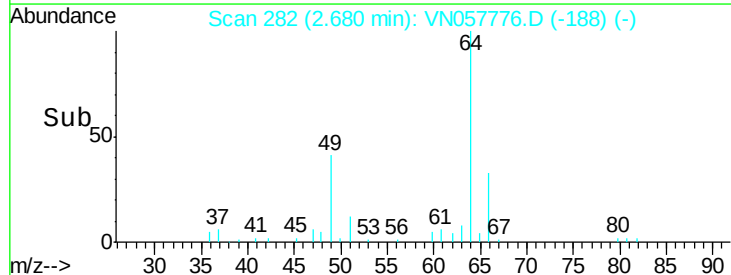
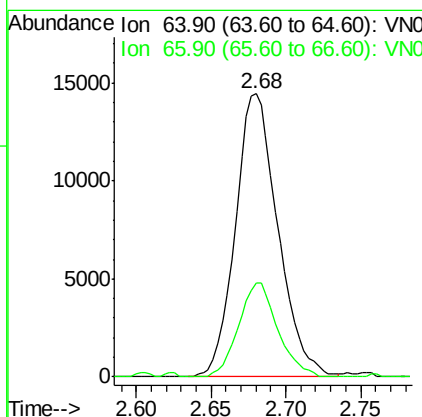
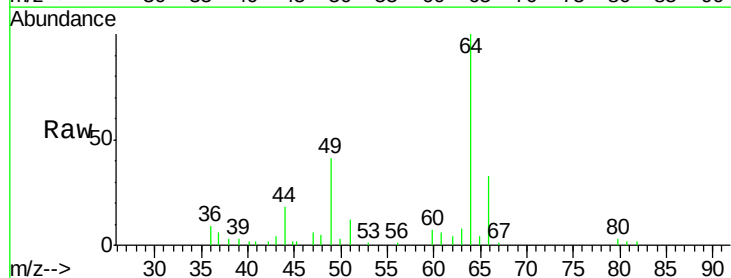
Acq: 8 Sep 2019 00:39

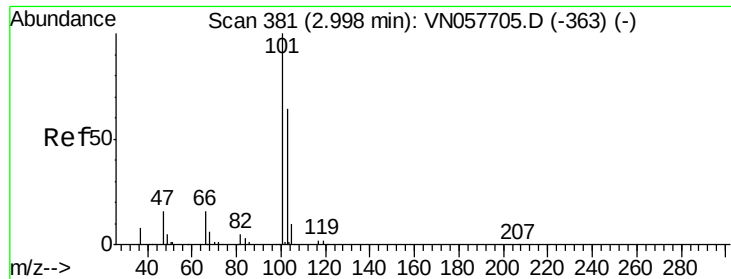
Tgt Ion: 64 Resp: 28586

Ion Ratio Lower Upper

64 100

66 33.4 22.0 33.0#





#7

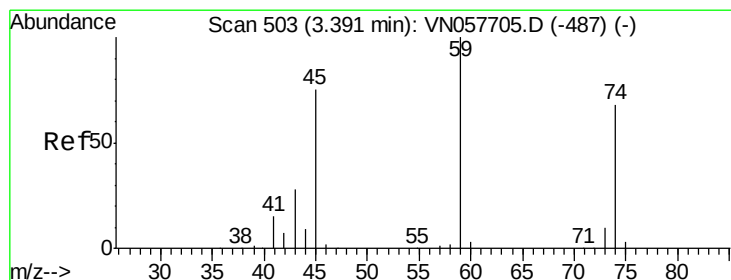
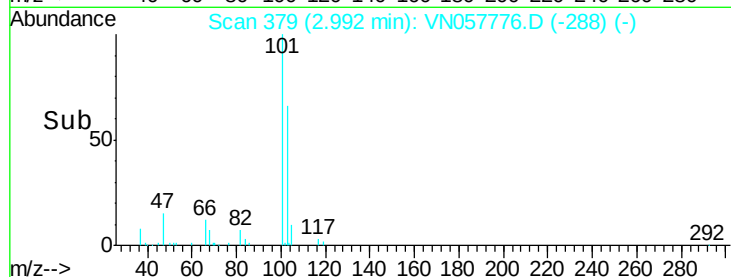
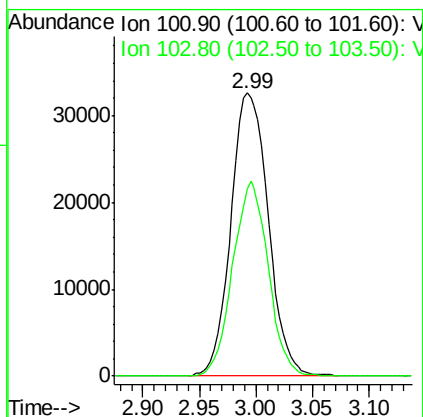
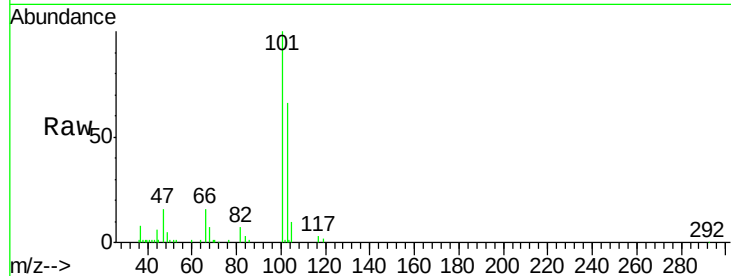
Trichlorofluoromethane
 Concen: 17.276 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
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 ClientSampleId :
 VN0907WBSD02

Tot Ion:101 Resp: 74937
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.4 77.0

Manual Integrations
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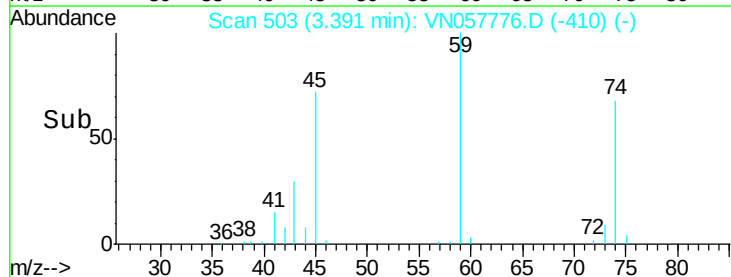
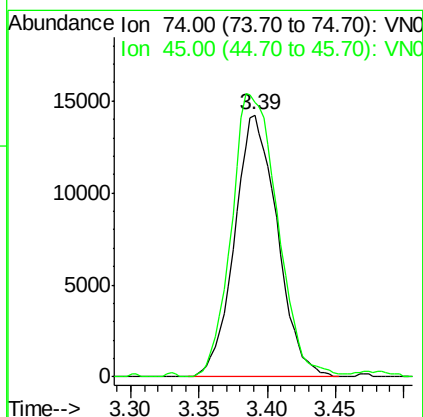
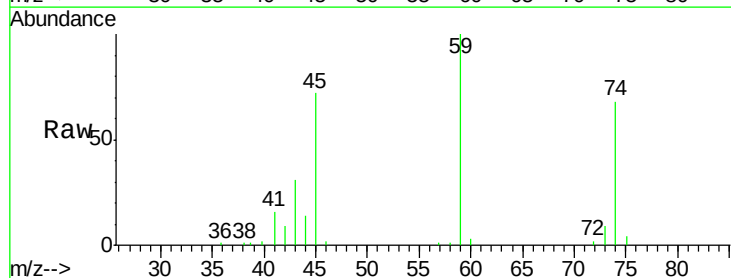
MMDadoda
 9/10/2019 3:02:56 PM

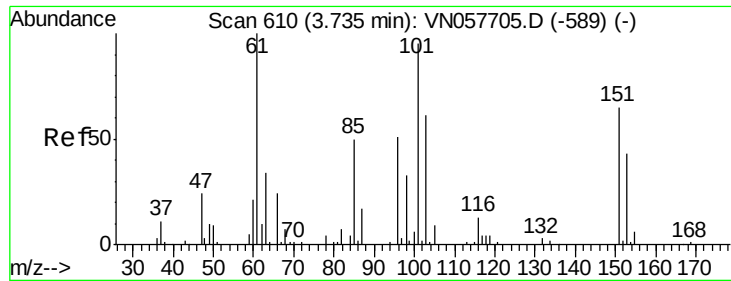


#8

Diethyl Ether
 Concen: 17.876 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion: 74 Resp: 30983
 Ion Ratio Lower Upper
 74 100
 45 116.8 55.4 166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.083 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

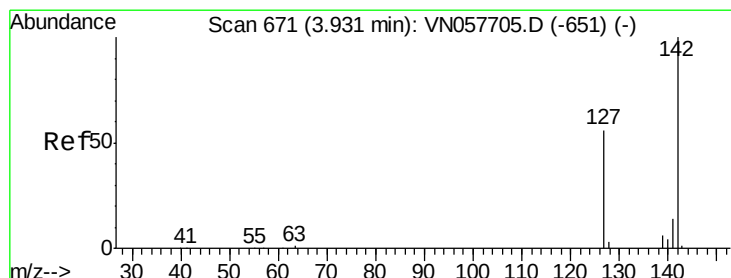
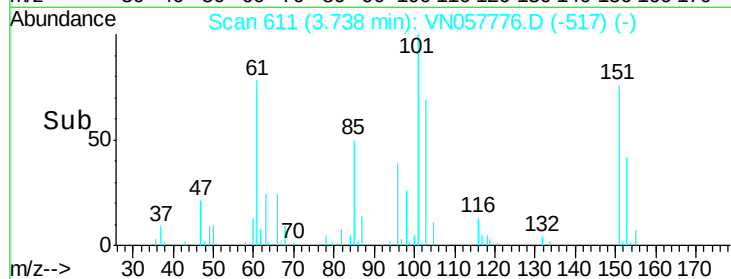
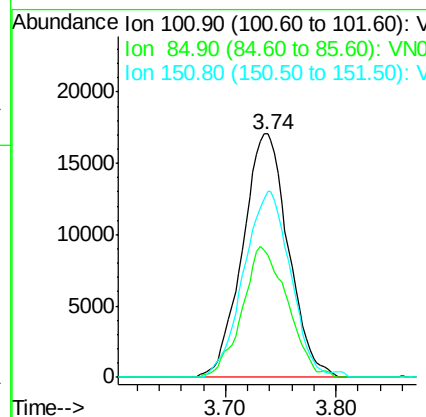
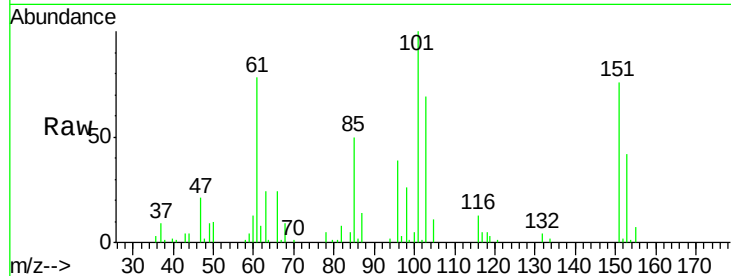
ClientSampleId :

VN0907WBSD02

Tot Ion:	101	Resp:	48954
Ion Ratio	Lower	Upper	
101	100		
85	53.2	42.8	64.2
151	77.7	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 23.005 ug/l

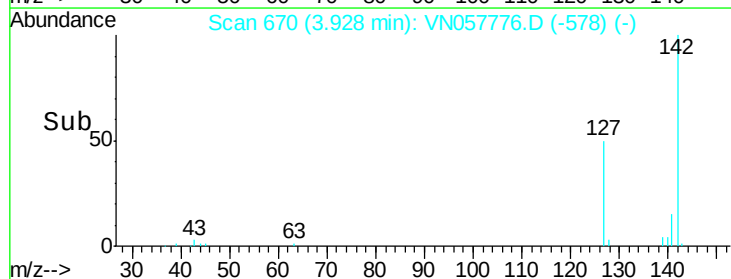
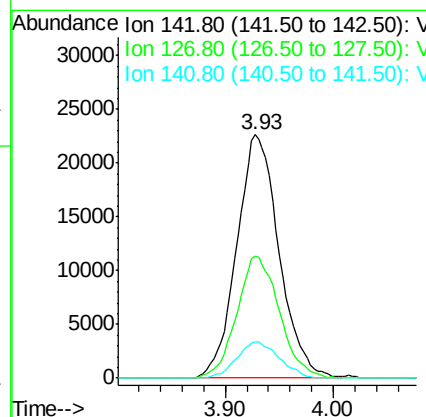
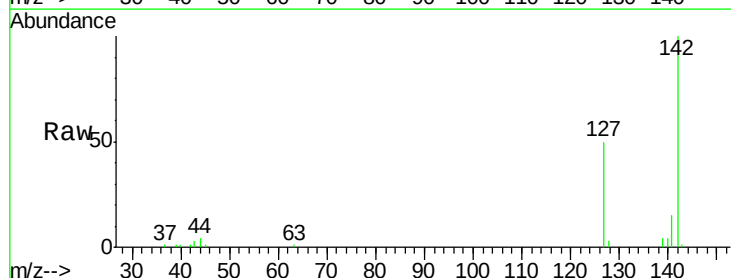
RT: 3.93 min Scan# 670

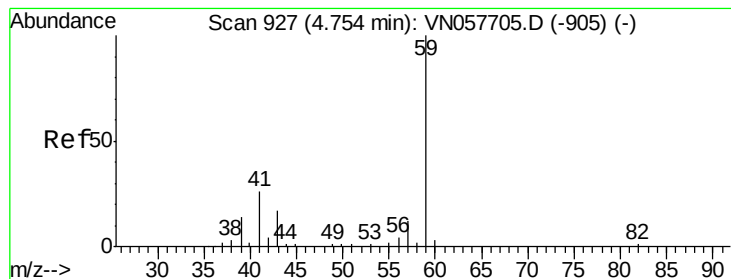
Delta R.T. -0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Tgt Ion:	142	Resp:	61705
Ion Ratio	Lower	Upper	
142	100		
127	50.3	42.1	63.1
141	15.0	11.0	16.4





#11

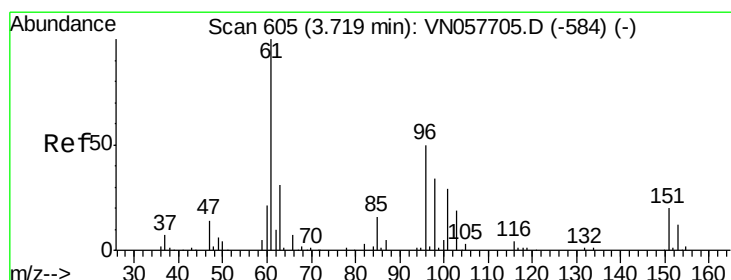
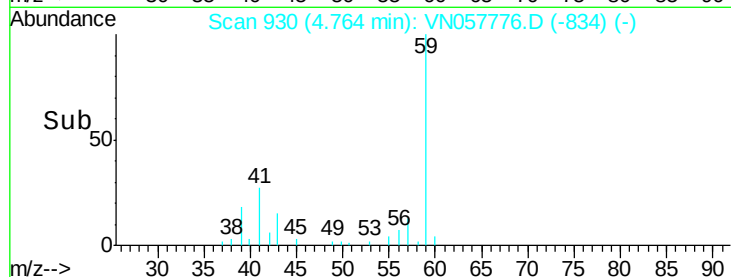
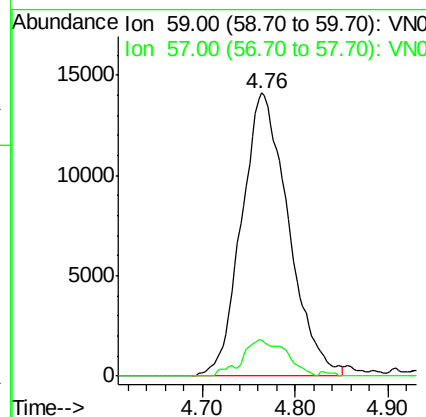
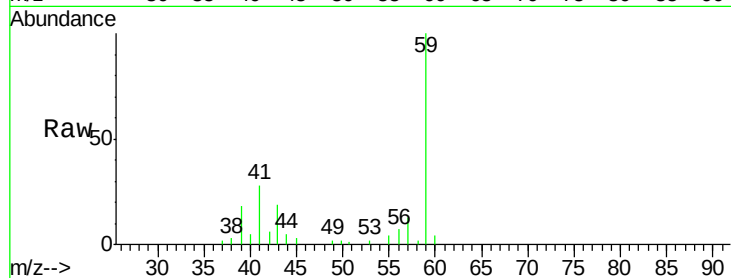
Tert butyl alcohol
 Concen: 91.437 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	49670		
57	57	4.6		8.9	13.3#

Manual Integrations
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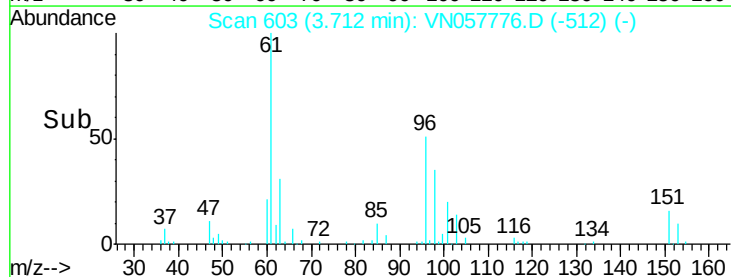
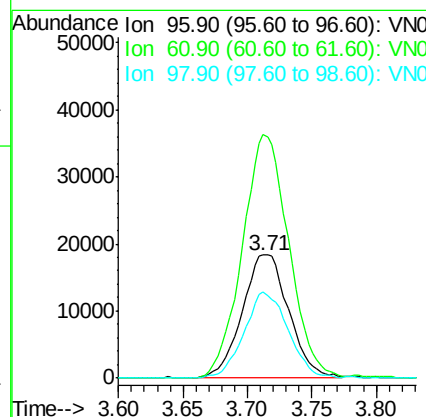
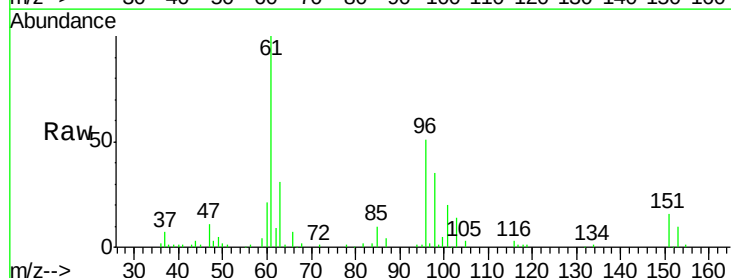
MMDadoda
 9/10/2019 3:02:56 PM

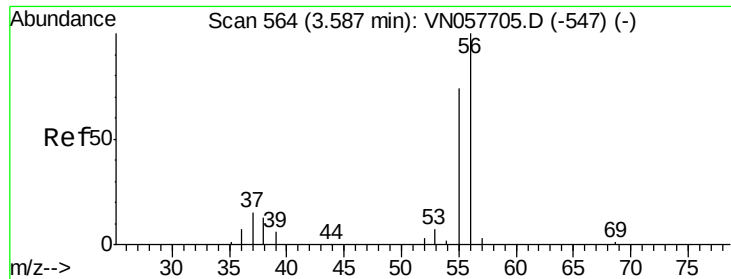


#12

1,1-Dichloroethene
 Concen: 18.991 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	46256		
61	61	197.7		158.7	238.1
98	98	69.7		53.8	80.8





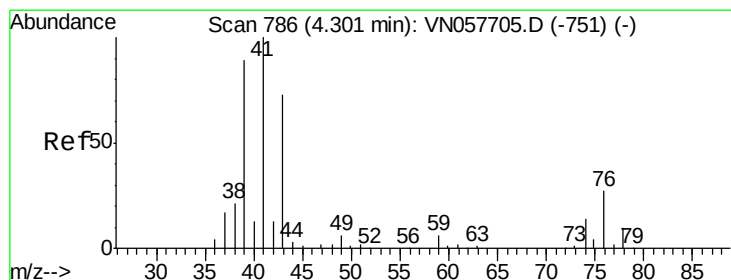
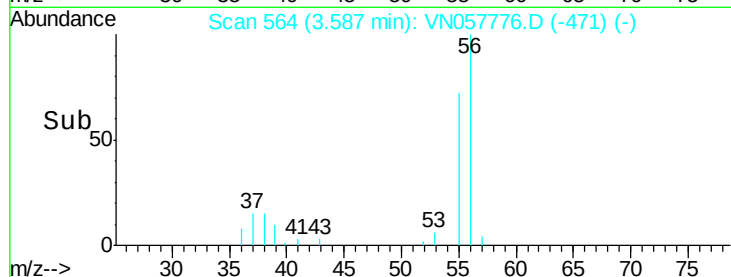
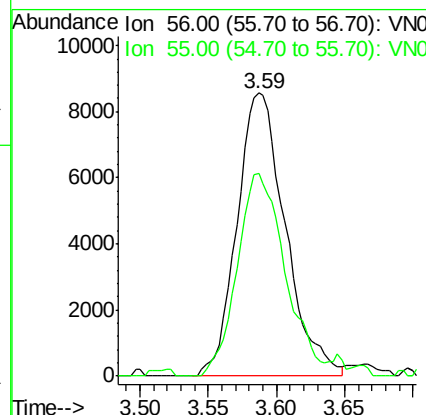
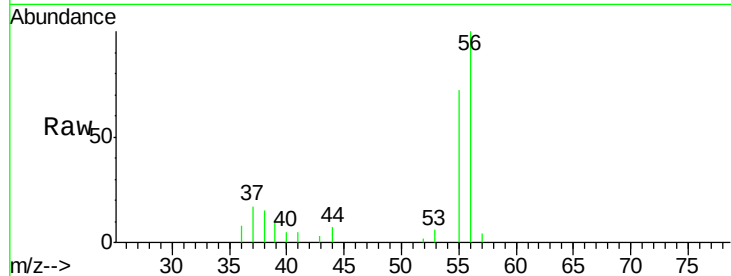
#13
Acrolein
Concen: 81.393 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	56	Resp	21027
Ion Ratio	100	Lower	Upper
56	100		
55	71.1	55.4	83.0

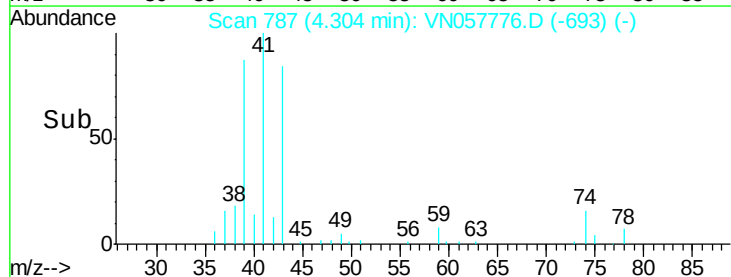
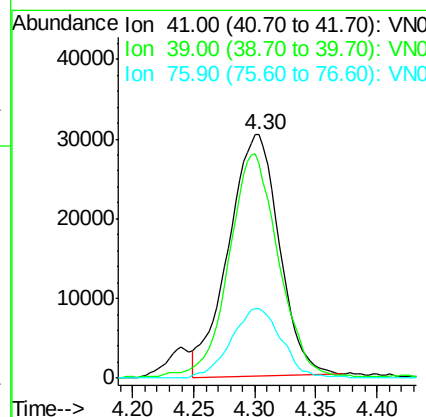
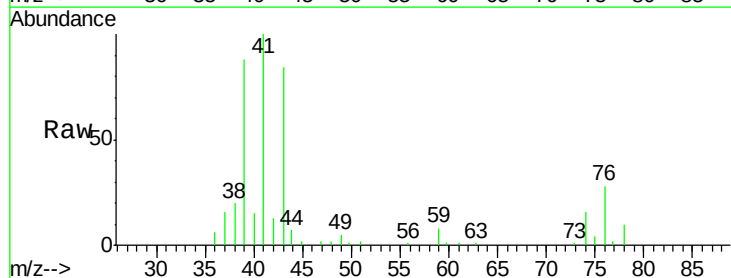
Manual Integrations
APPROVED

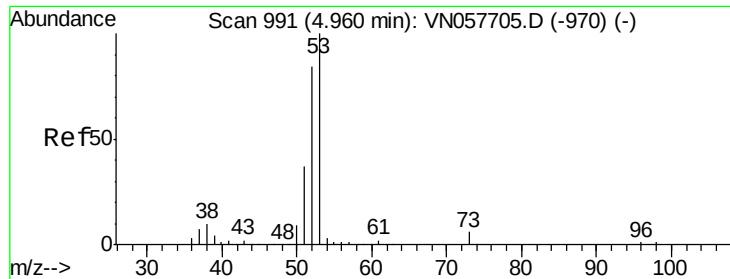
MMDadoda
9/10/2019 3:02:56 PM



#14
Allyl chloride
Concen: 15.687 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	41	Resp	87315
Ion Ratio	100	Lower	Upper
41	100		
39	92.0	67.5	101.3
76	28.5	21.4	32.2





#15

Acrylonitrile

Concen: 98.054 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

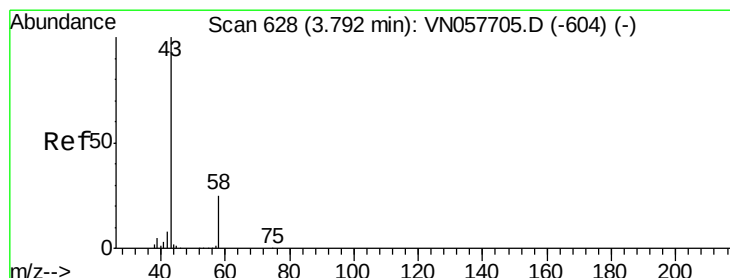
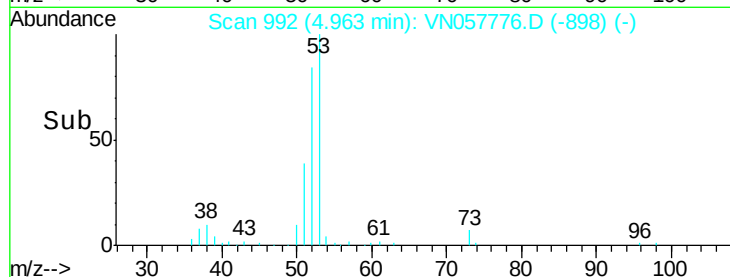
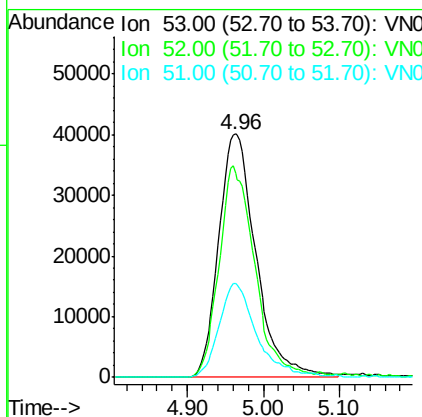
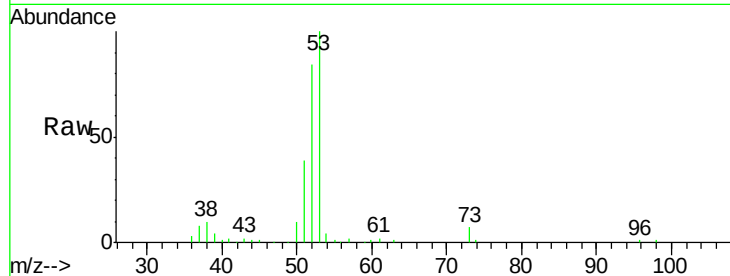
ClientSampleId :

VN0907WBSD02

Tot Ion:	53	Resp:	136941
Ion	Ratio	Lower	Upper
53	100		
52	82.7	68.1	102.1
51	38.3	30.4	45.6

Manual Integrations
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9/10/2019 3:02:56 PM



#16

Acetone

Concen: 91.695 ug/l

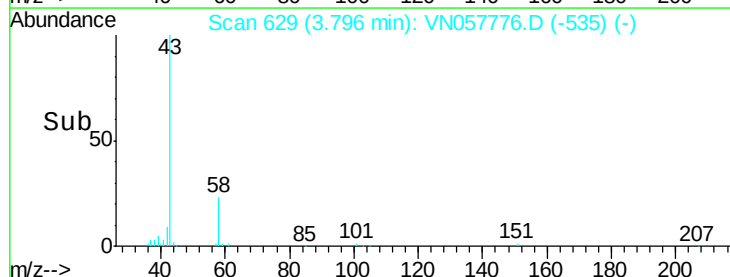
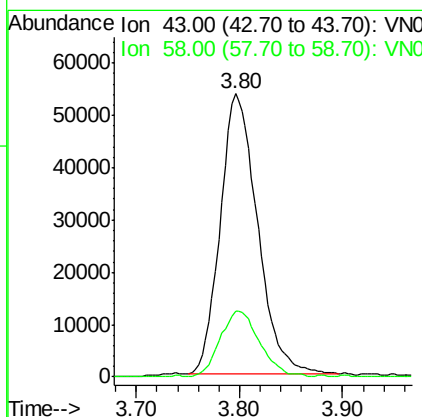
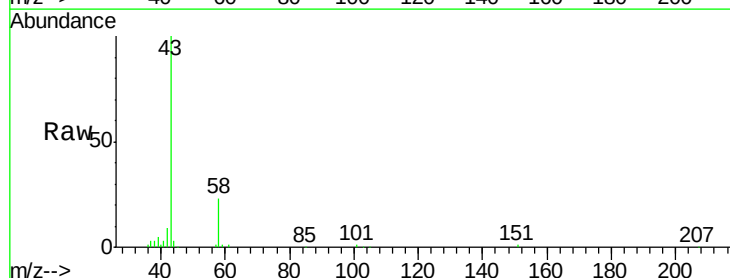
RT: 3.80 min Scan# 629

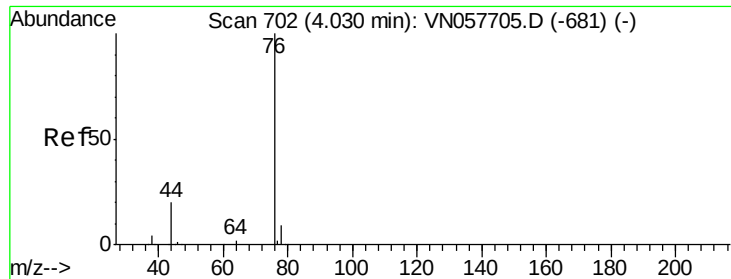
Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Tgt Ion:	43	Resp:	134912
Ion	Ratio	Lower	Upper
43	100		
58	23.0	19.8	29.8





#17

Carbon Disulfide

Concen: 16.806 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion: 76 Resp: 92743

Ion Ratio Lower Upper

76 100

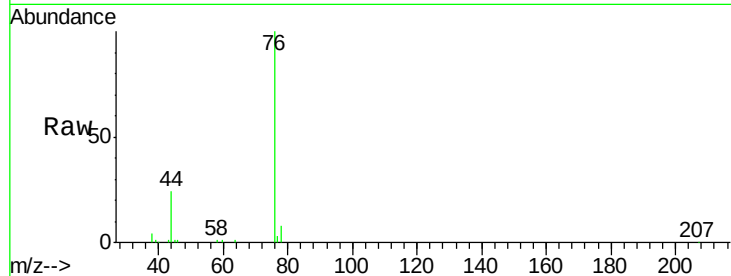
78 8.5 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

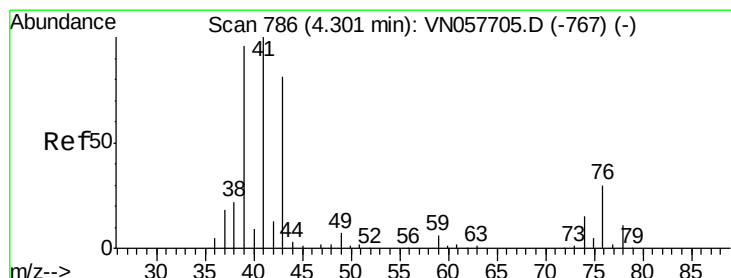
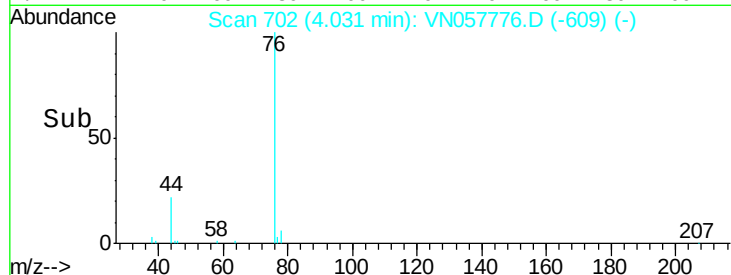
30000

20000

10000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.368 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057776.D

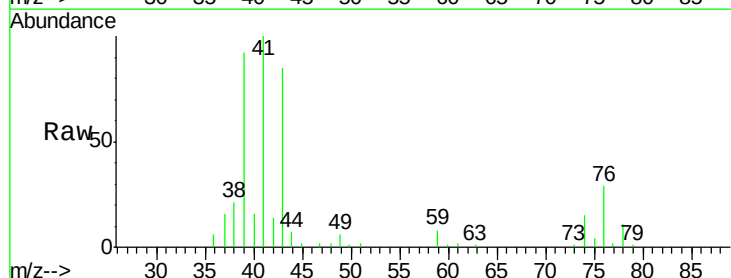
Acq: 8 Sep 2019 00:39

Tgt Ion: 43 Resp: 77494

Ion Ratio Lower Upper

43 100

74 19.0 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.30

30000

25000

20000

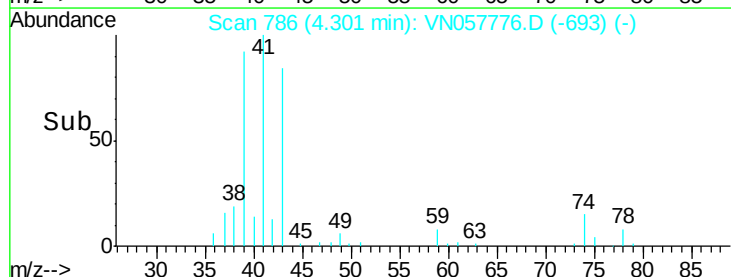
15000

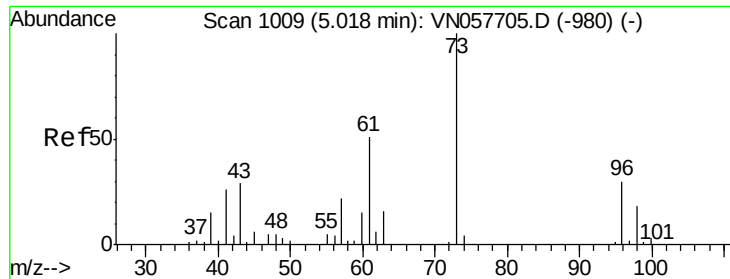
10000

5000

0

Time--> 4.20 4.30 4.40





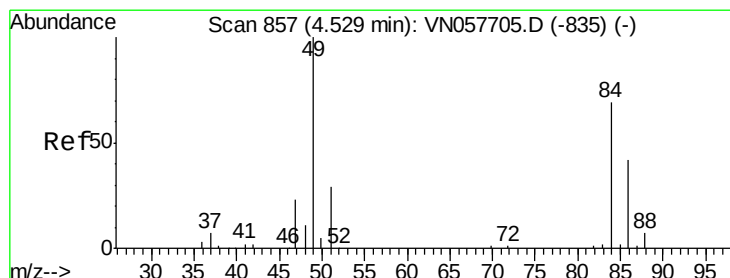
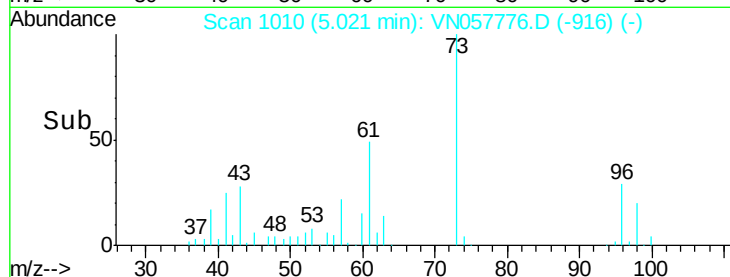
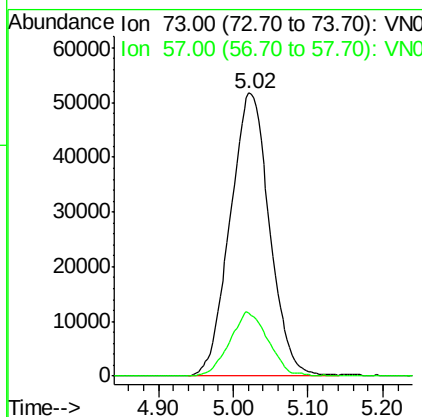
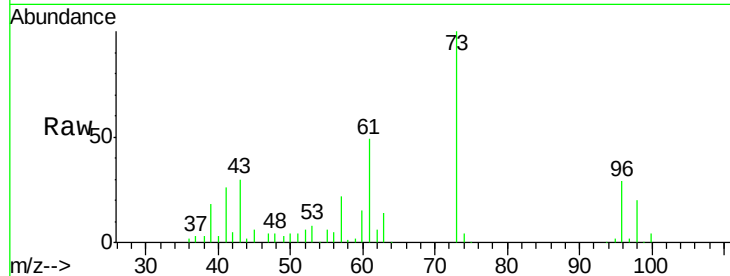
#19
Methyl tert-butyl Ether
Concen: 18.545 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion: 73 Resp: 189637
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5

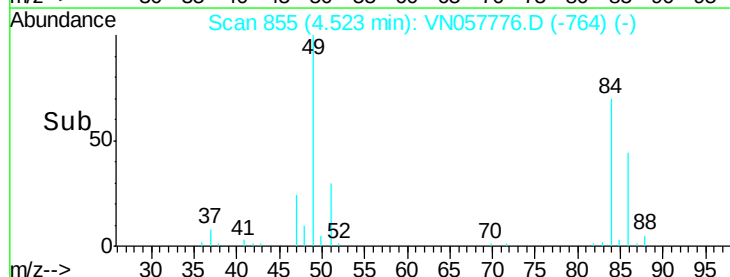
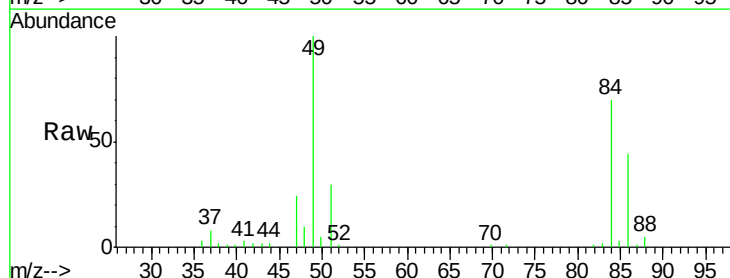
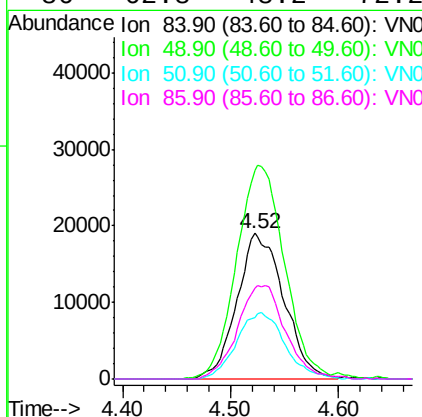
Manual Integrations
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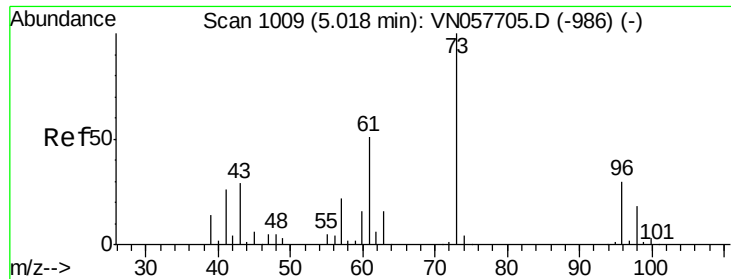
MMDadoda
9/10/2019 3:02:56 PM



#20
Methylene Chloride
Concen: 18.043 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion: 84 Resp: 57399
Ion Ratio Lower Upper
84 100
49 142.3 115.0 172.6
51 42.4 33.8 50.8
86 62.8 48.2 72.2





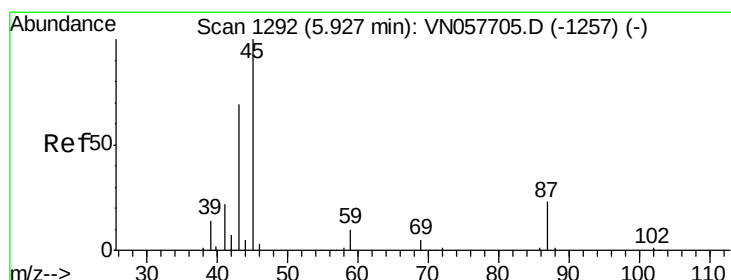
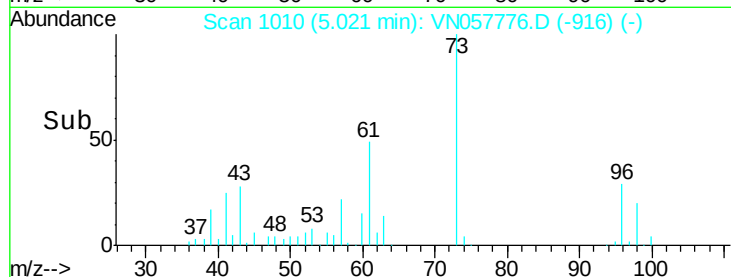
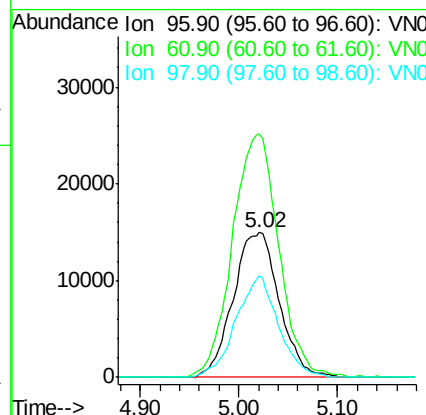
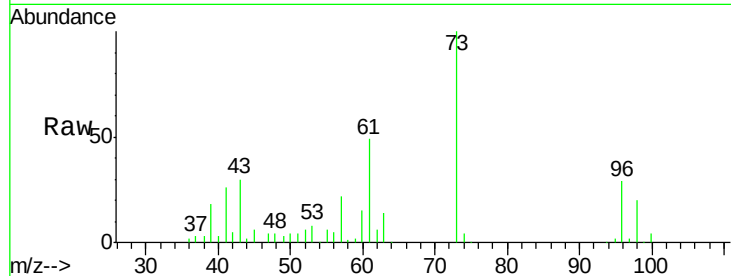
#21
trans-1,2-Dichloroethene
Concen: 18.881 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	135.8	203.8
98	70.0	49.0	73.6

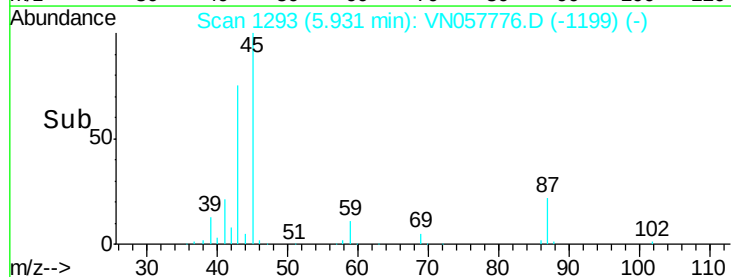
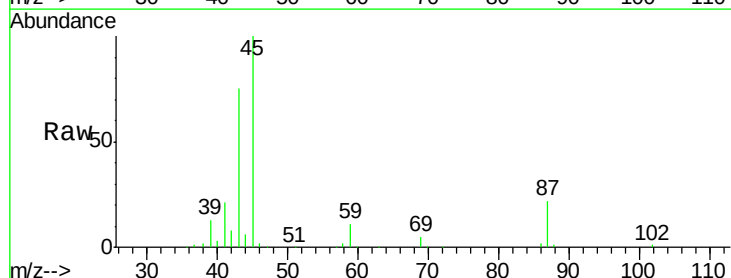
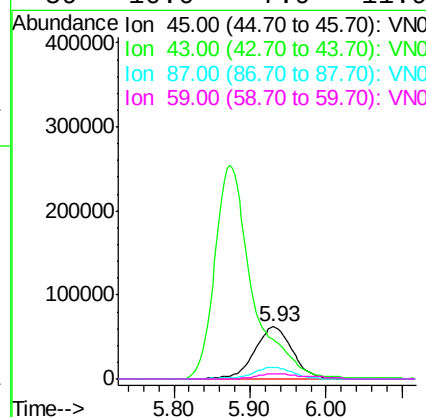
Manual Integrations
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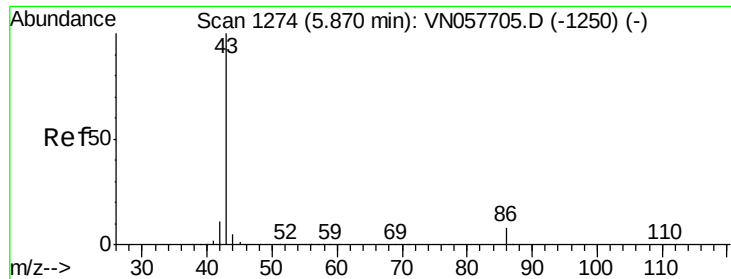
MMDadoda
9/10/2019 3:02:56 PM



#22
Diisopropyl ether
Concen: 18.258 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.4	55.5	83.3
87	21.9	18.6	28.0
59	10.0	7.9	11.9





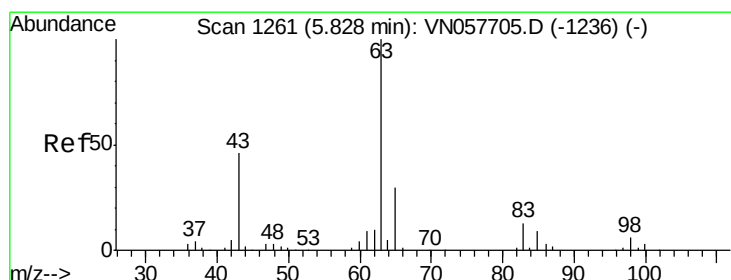
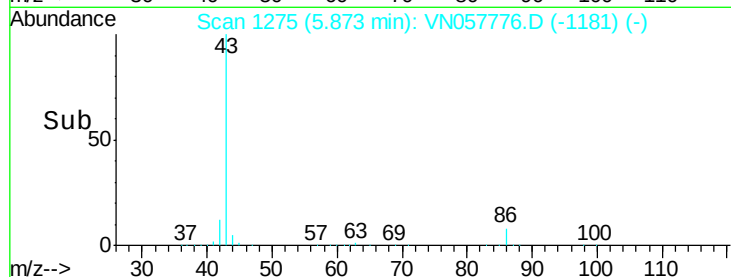
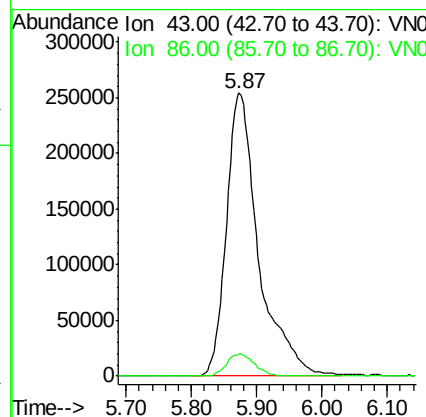
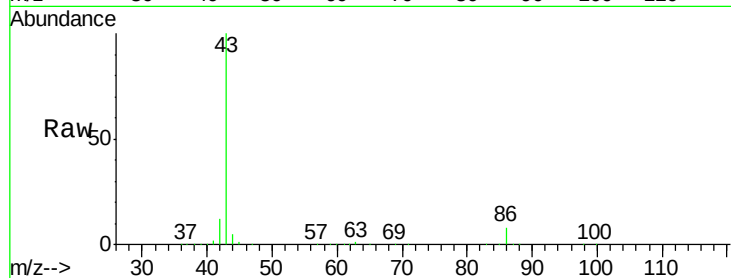
#23
 Vinyl Acetate
 Concen: 91.106 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion	43	86	Resp	Lower	Upper
868261	100	7.8		6.2	9.4

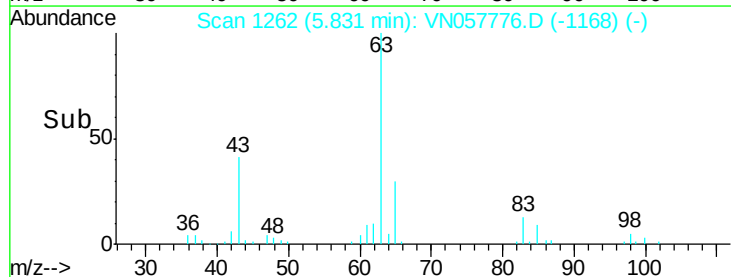
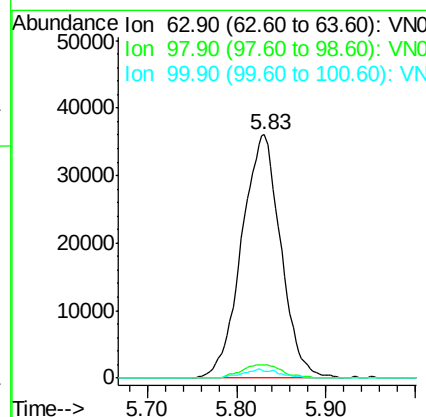
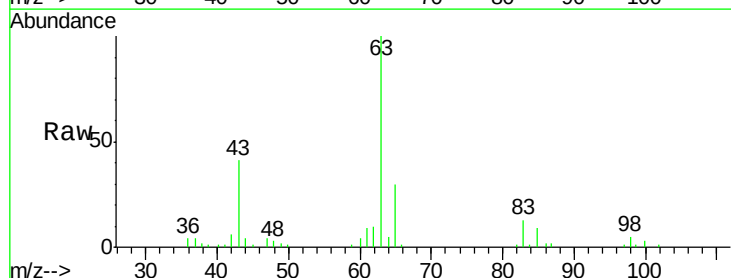
Manual Integrations
 APPROVED

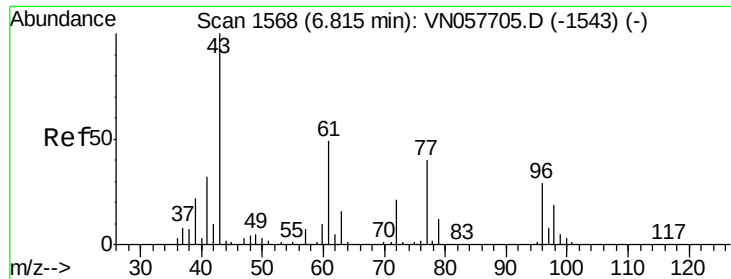
MMDadoda
 9/10/2019 3:02:56 PM



#24
 1,1-Dichloroethane
 Concen: 18.183 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion	63	98	100	Resp	Lower	Upper
109775	100	5.4	2.9		2.9	8.8
		2.9	1.7		1.7	5.0





#25

2-Butanone

Concen: 95.424 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion: 43 Resp: 201060

Ion Ratio Lower Upper

43 100

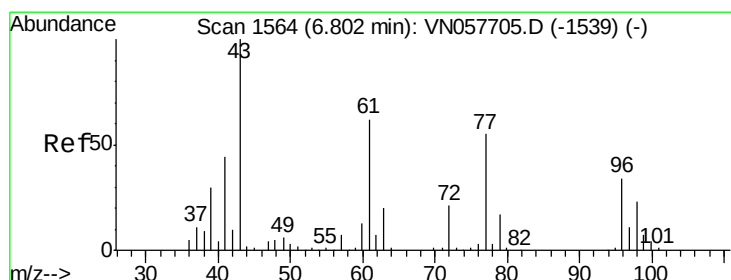
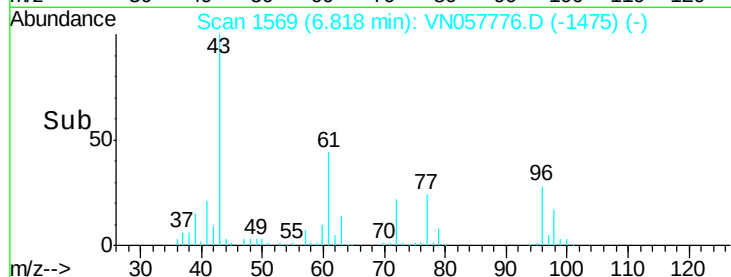
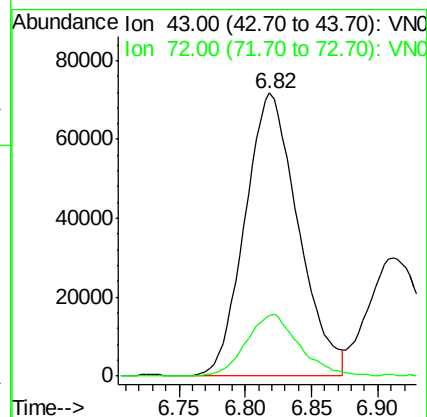
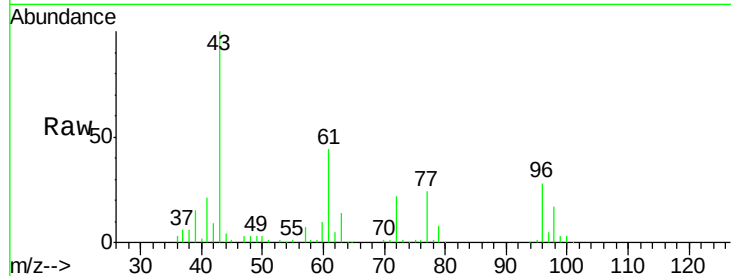
72 21.5 17.0 25.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 3:02:56 PM



#26

2,2-Dichloropropane

Concen: 12.719 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057776.D

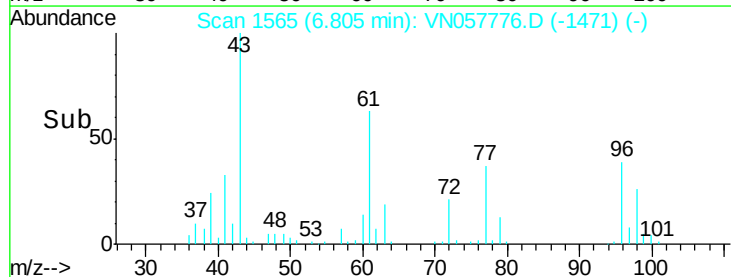
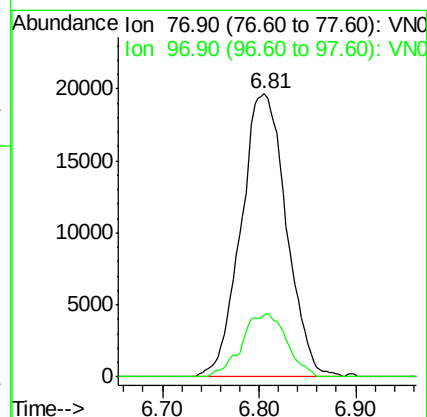
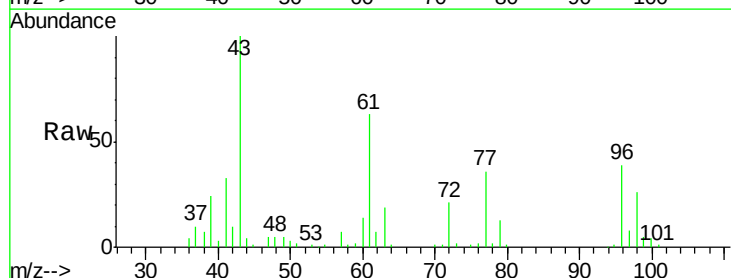
Acq: 8 Sep 2019 00:39

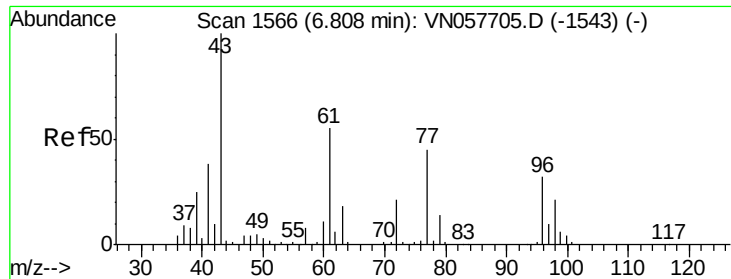
Tgt Ion: 77 Resp: 64060

Ion Ratio Lower Upper

77 100

97 22.1 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 19.463 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

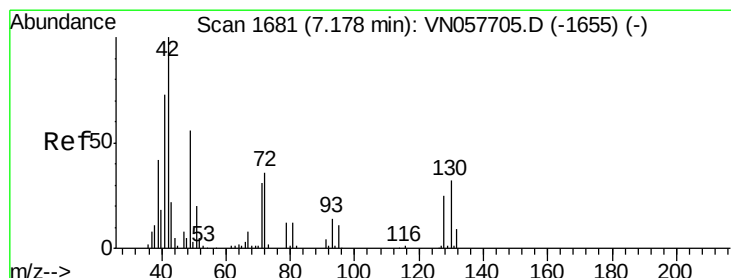
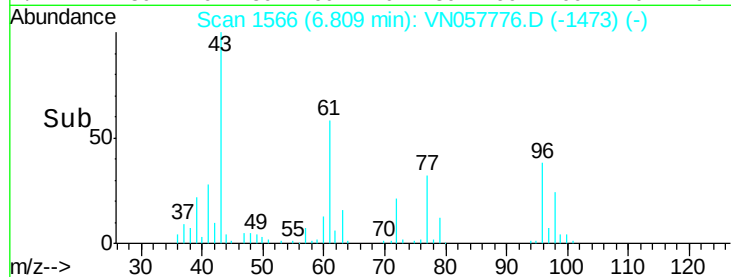
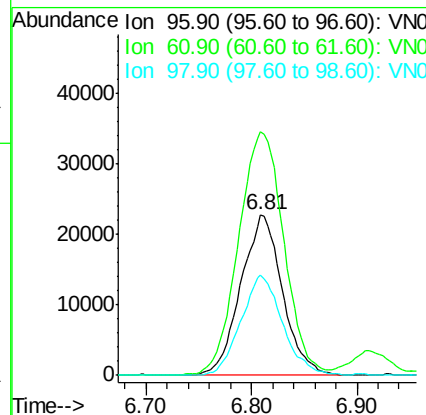
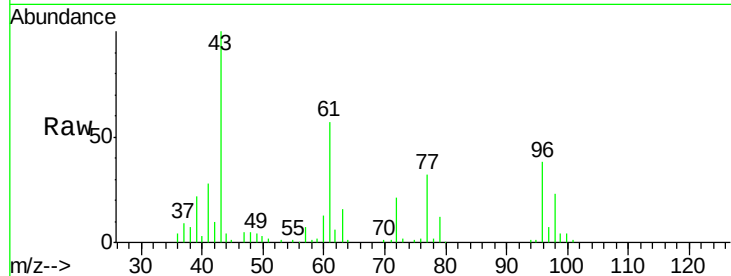
ClientSampleId :

VN0907WBSD02

Tot Ion:	96	Resp:	62614
Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	360.6
98	62.0	0.0	130.6

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#28

Bromochloromethane

Concen: 19.527 ug/l

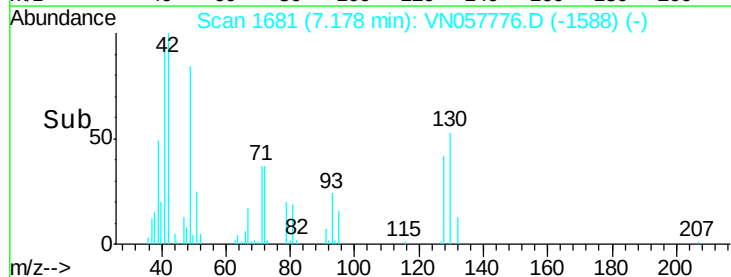
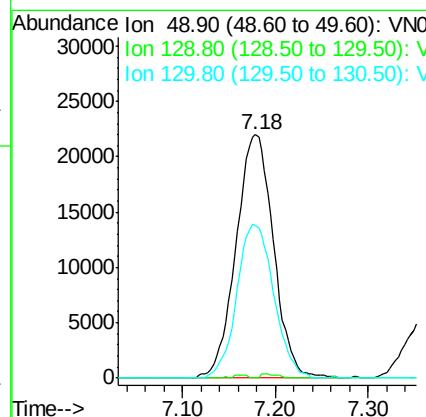
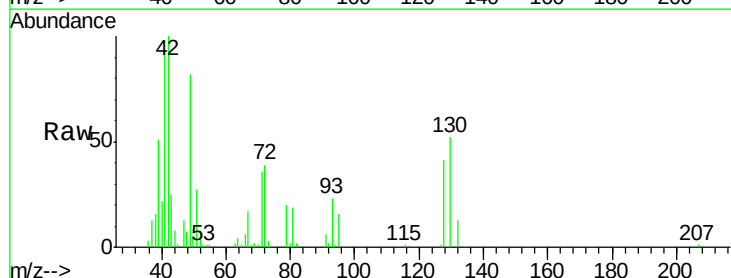
RT: 7.18 min Scan# 1681

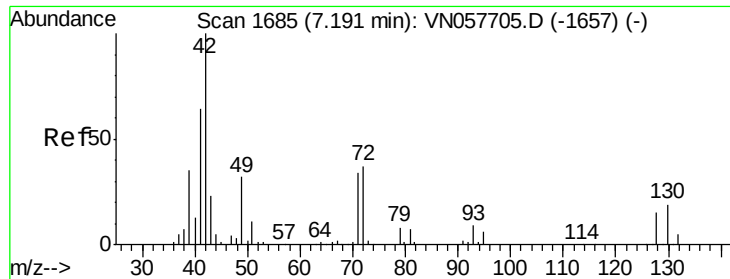
Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Tgt Ion:	49	Resp:	61682
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.4
130	62.2	45.8	68.8





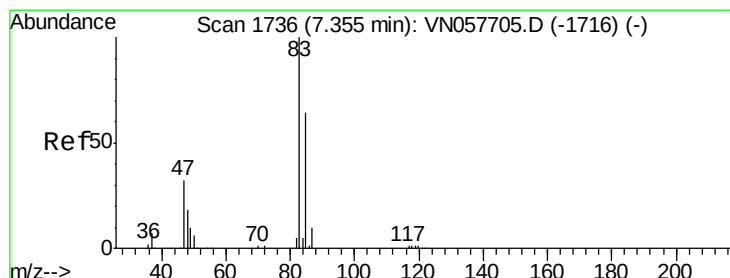
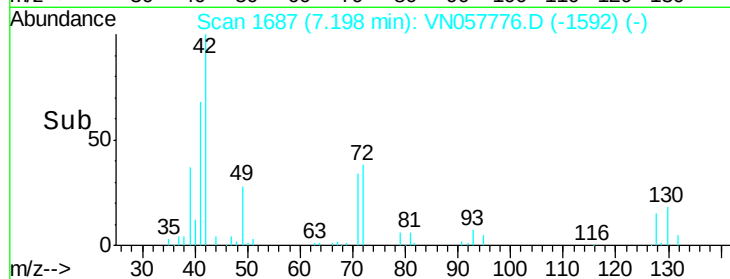
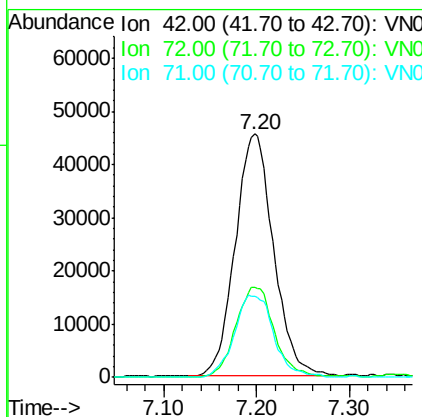
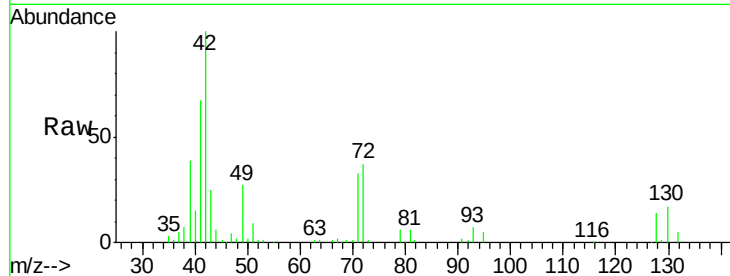
#29
Tetrahydrofuran
Concen: 95.761 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.2	43.8
71	35.0	27.0	40.4

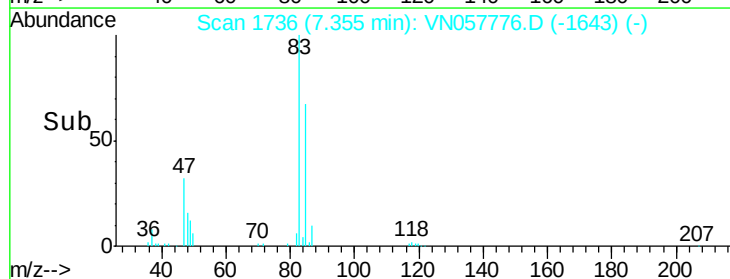
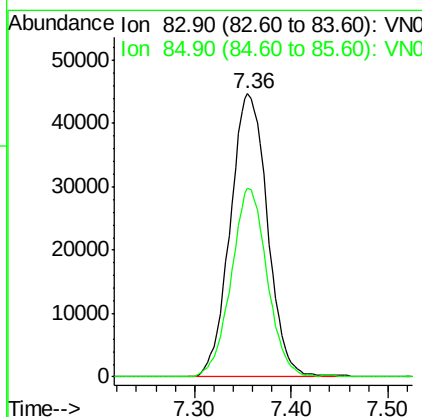
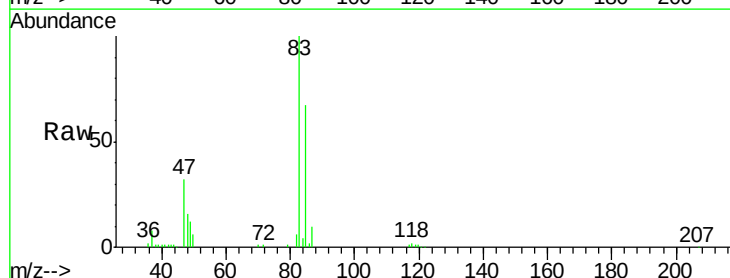
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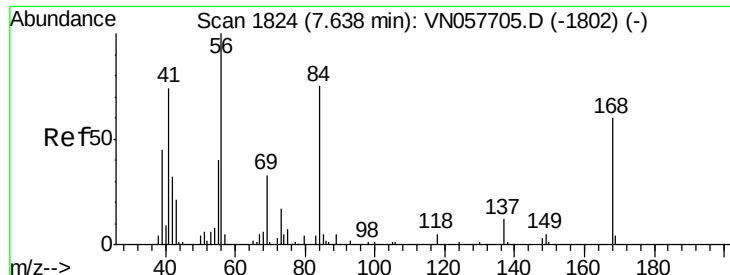
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#30
Chloroform
Concen: 18.957 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.3	76.9





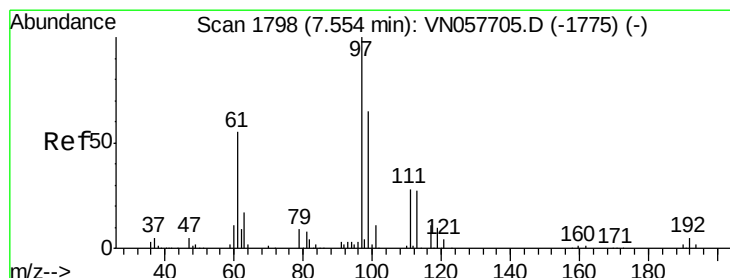
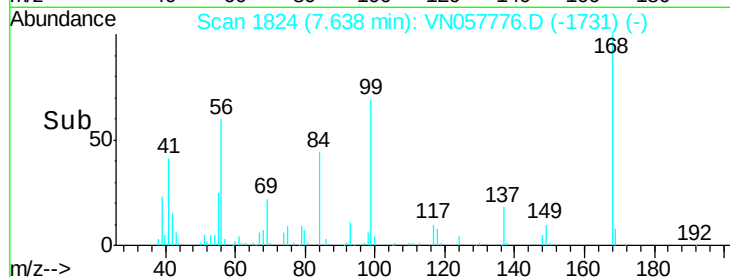
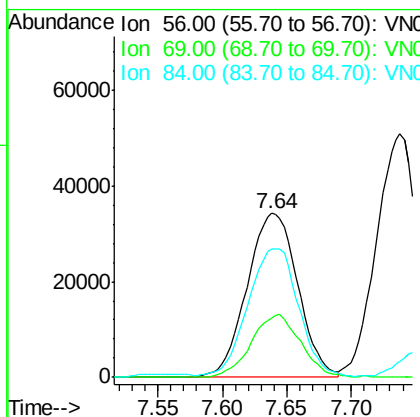
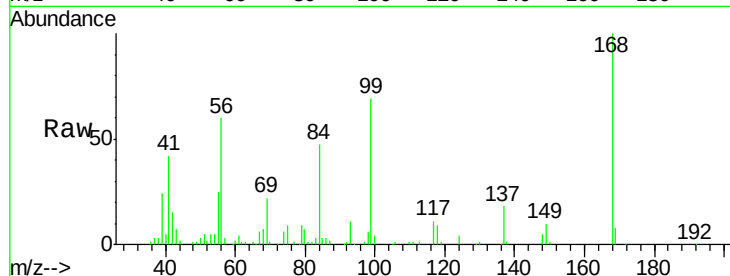
#31
Cyclohexane
Concen: 17.473 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.2	39.2
84	77.1	59.8	89.8

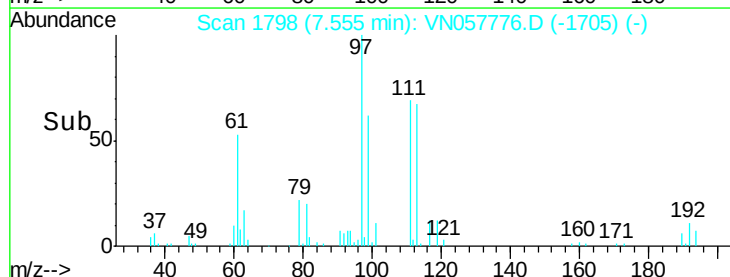
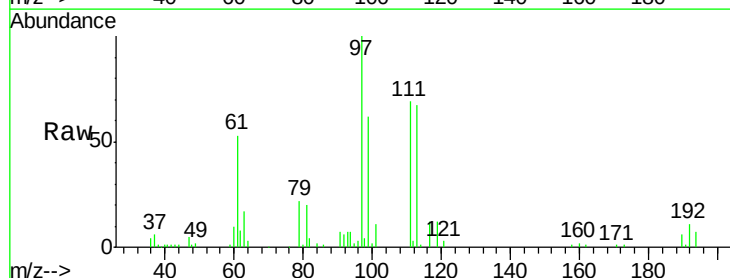
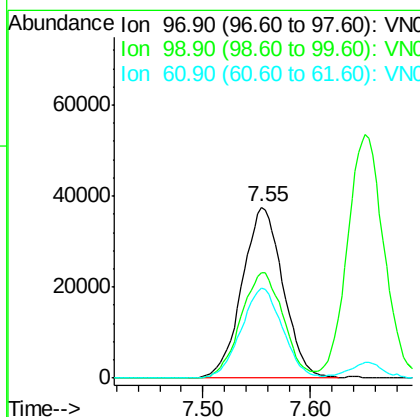
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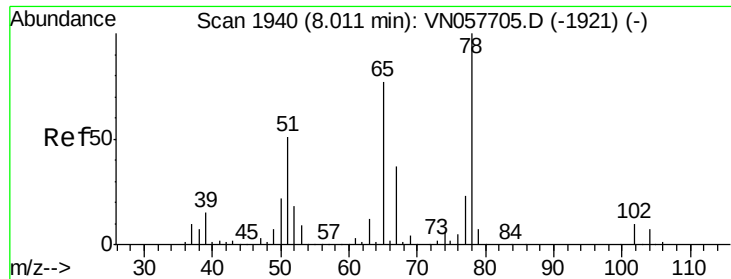
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.892 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	53.1	42.8	64.2





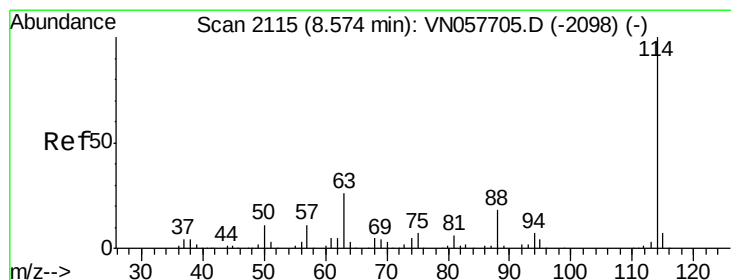
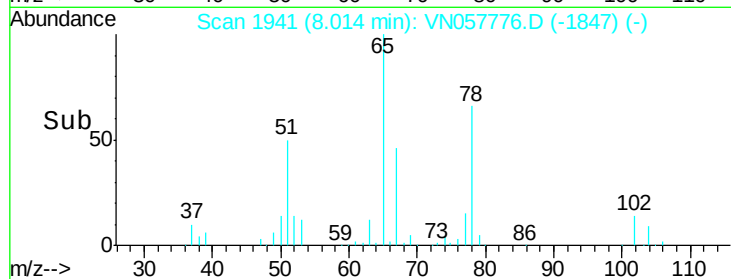
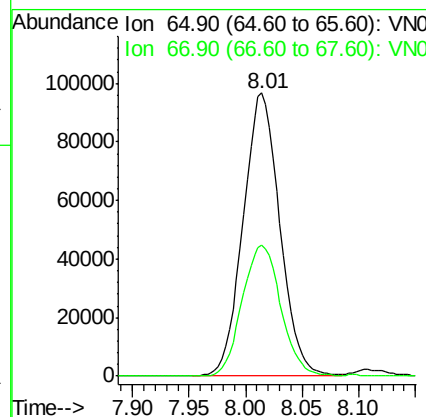
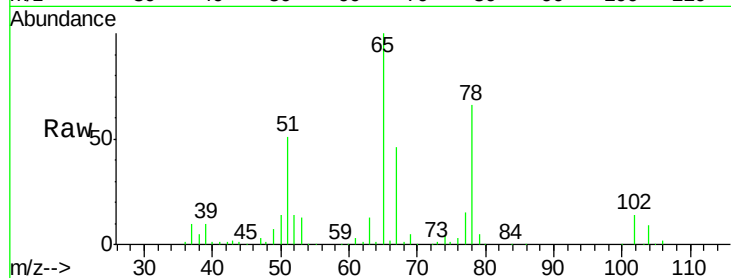
#33
 1,2-Dichloroethane-d4
 Concen: 45.741 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218689		
67	48.7	0.0	98.2	

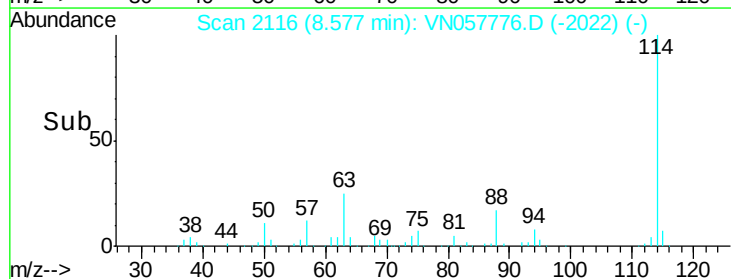
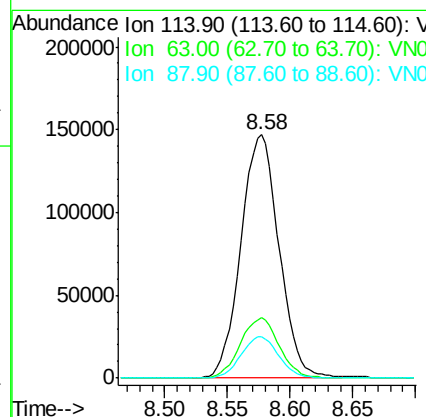
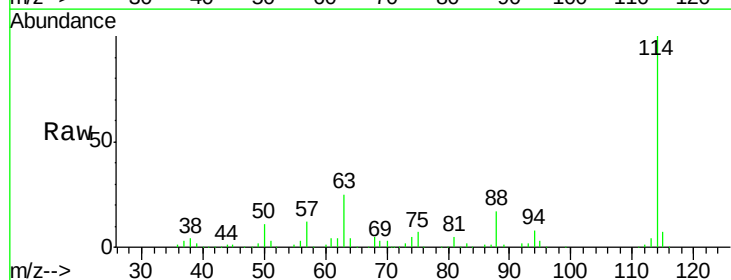
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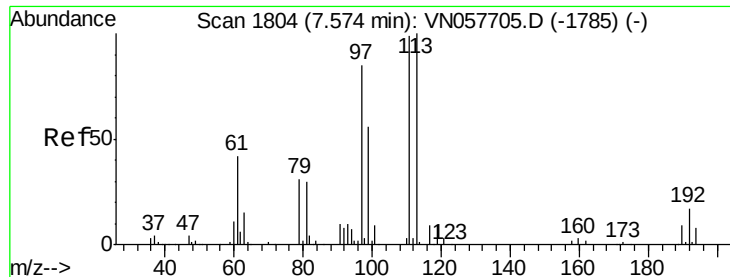
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	311141		
63	24.6	0.0	52.4	
88	16.9	0.0	35.4	





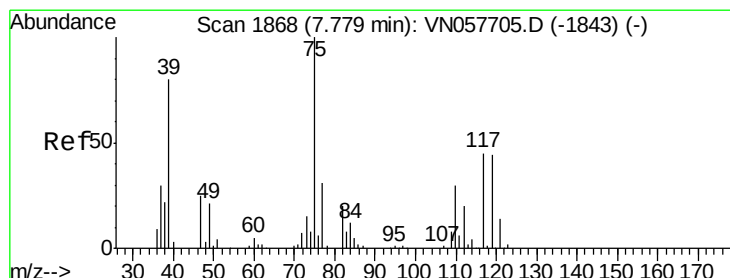
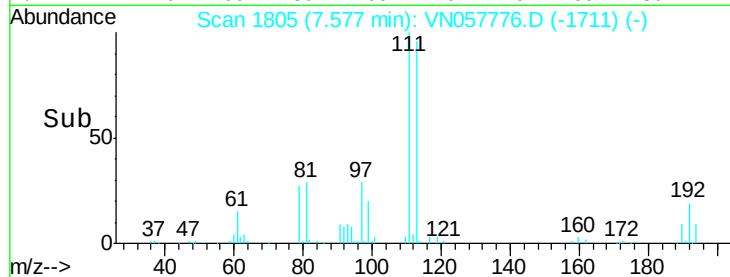
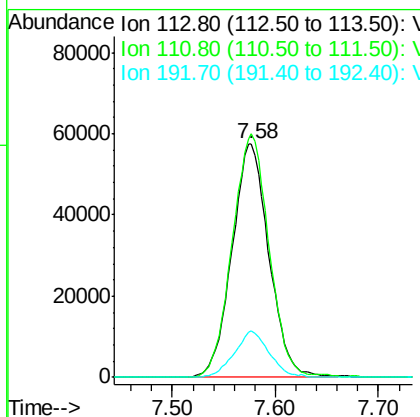
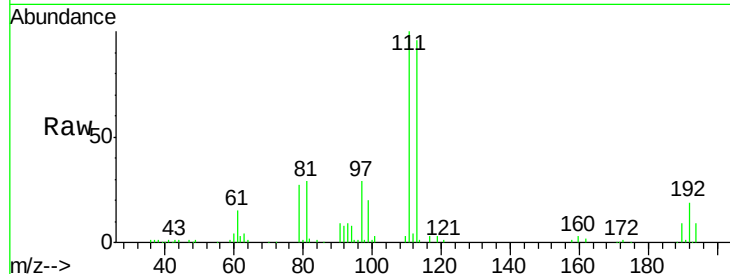
#35
 Dibromofluoromethane
 Concen: 50.558 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	82.7	124.1	
192	18.8	13.8	20.6	

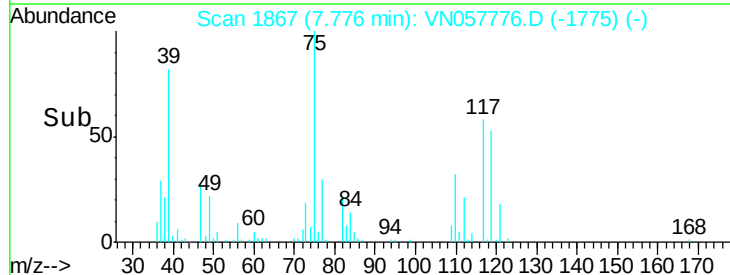
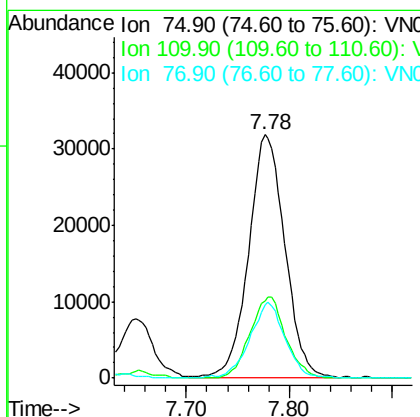
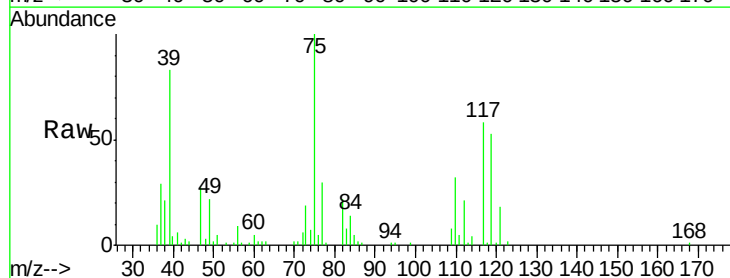
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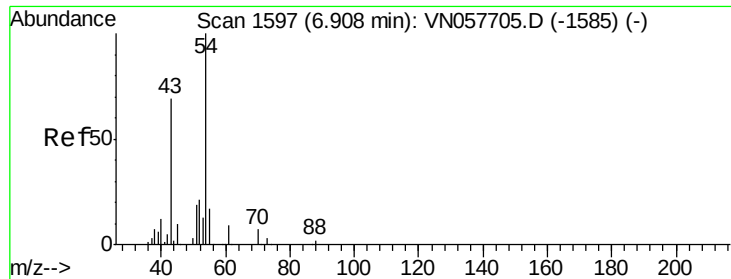
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#36
 1,1-Dichloropropene
 Concen: 18.813 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.6	15.0	45.0	
77	30.1	24.6	37.0	





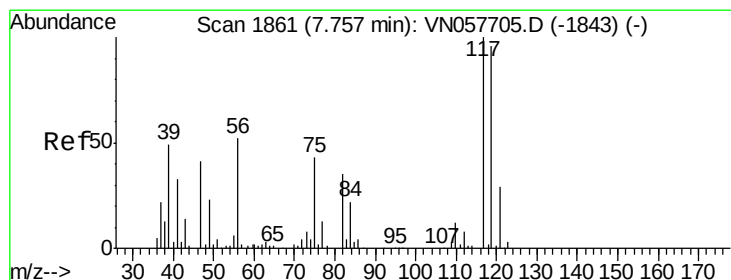
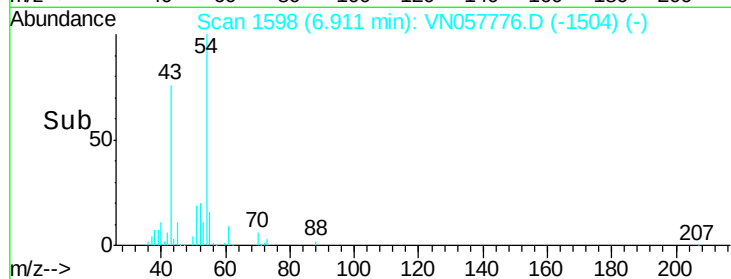
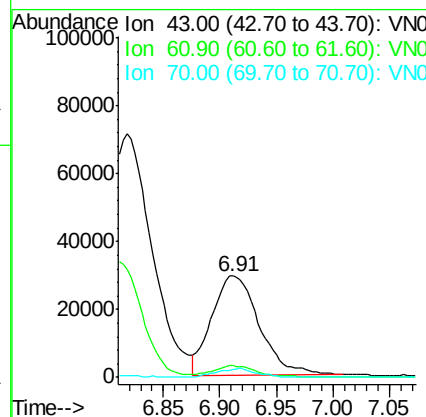
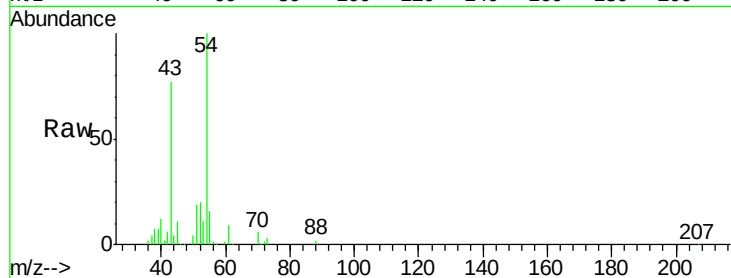
#37
Ethyl Acetate
Concen: 21.049 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	8.2	9.8	14.8#
70	7.5	6.7	10.1

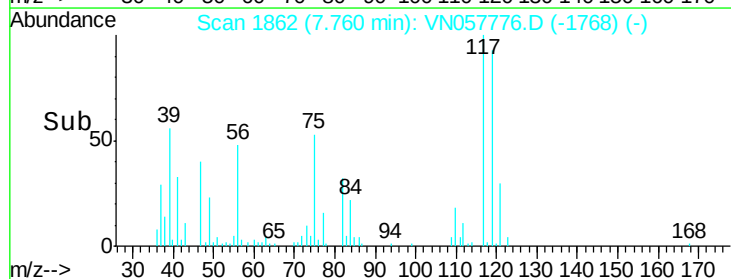
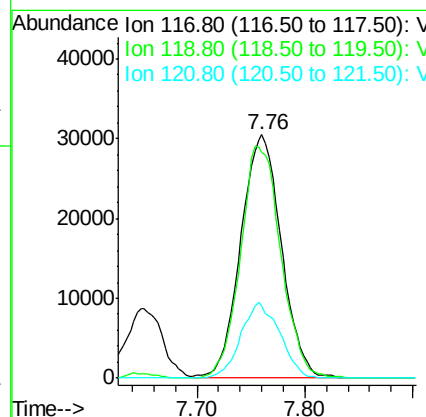
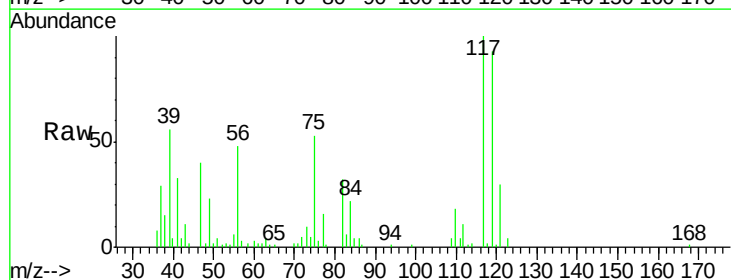
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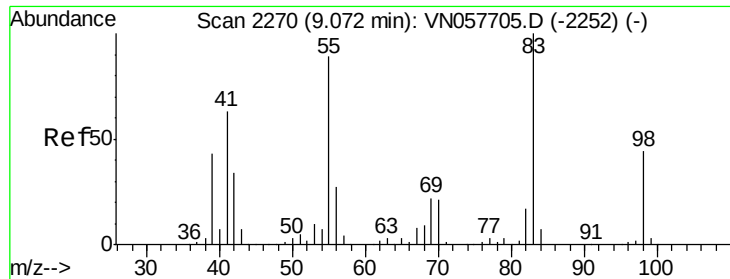
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#38
Carbon Tetrachloride
Concen: 20.160 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.1	114.1
121	29.6	23.4	35.2





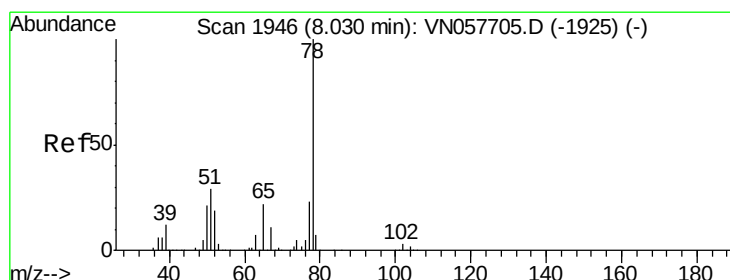
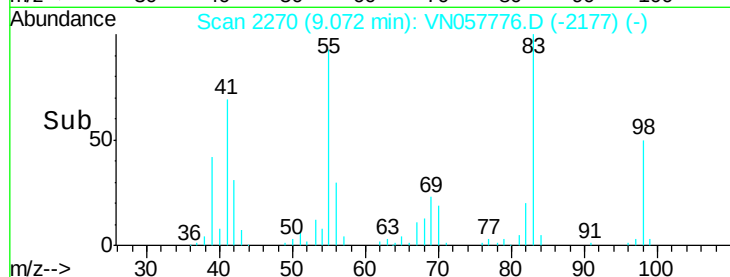
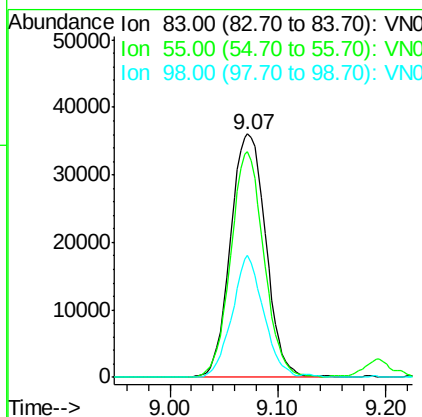
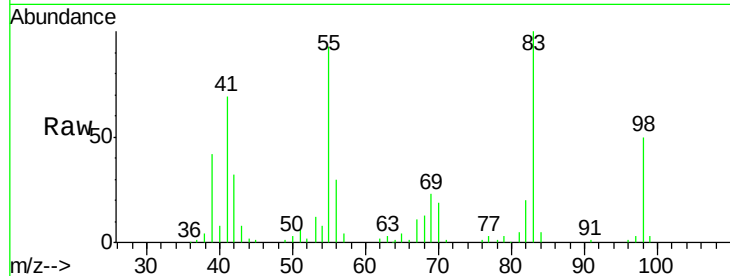
#39
Methylvlcyclohexane
Concen: 18.782 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	83	Resp	82231
Ion	Ratio	Lower	Upper
83	100		
55	92.6	71.4	107.0
98	49.9	35.3	52.9

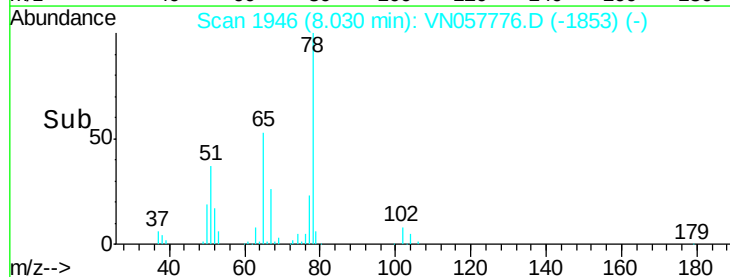
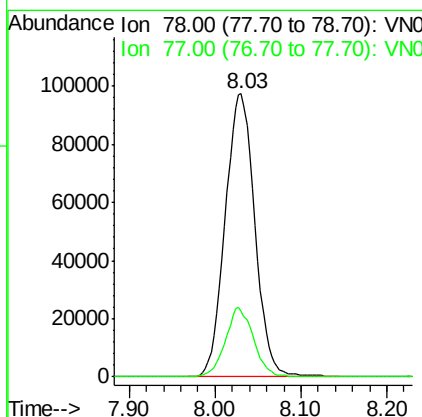
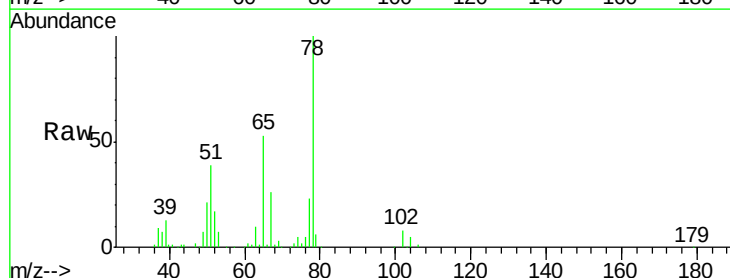
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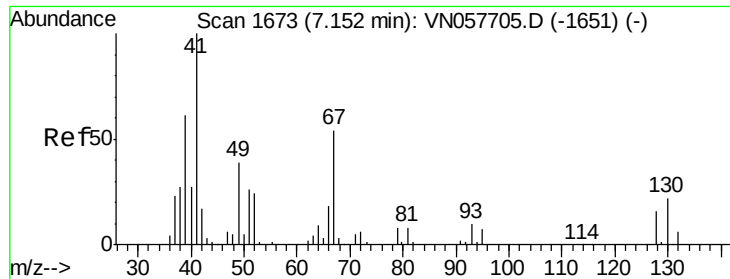
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#40
Benzene
Concen: 19.958 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	78	Resp	233669
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





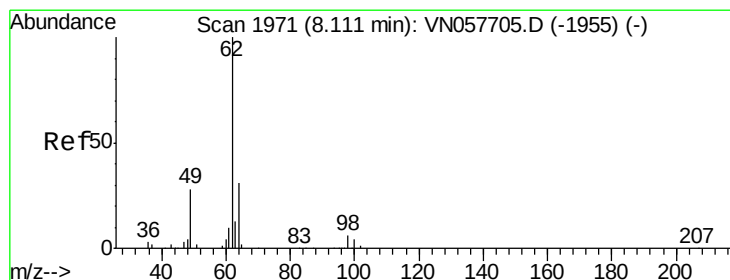
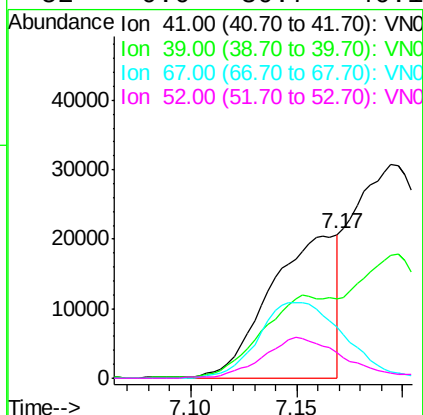
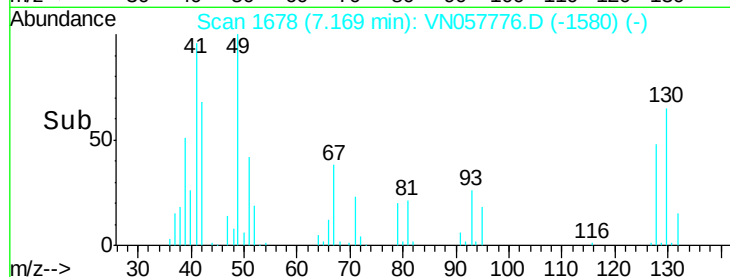
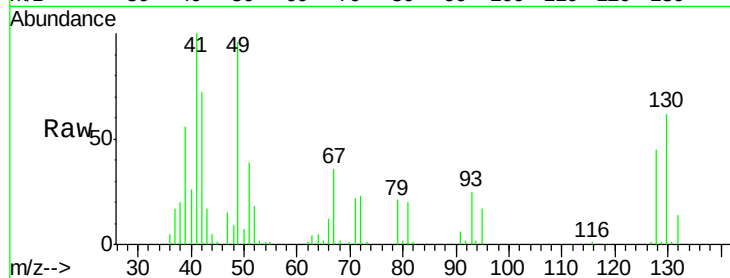
#41
Methacrylonitrile
Concen: 22.524 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. 0.02 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.6	65.4#
67	0.0	59.8	89.6#
52	0.0	30.7	46.1#

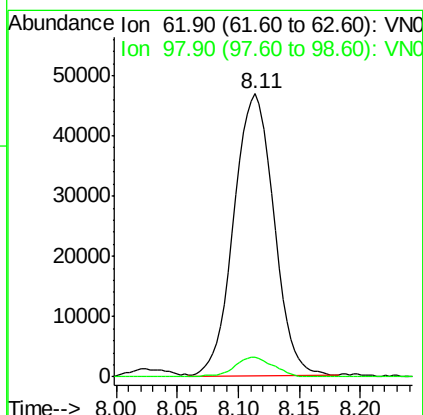
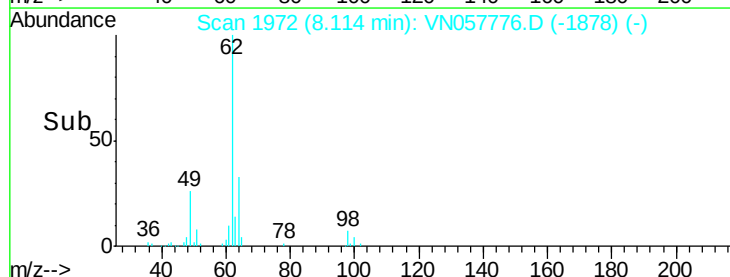
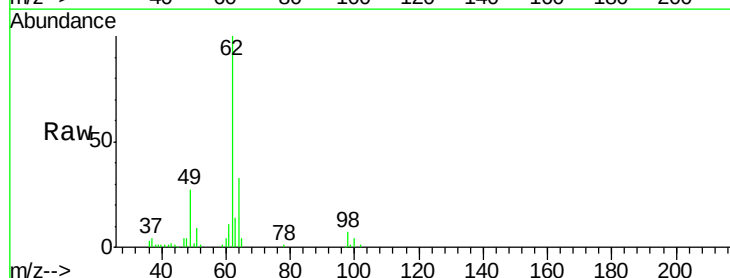
Manual Integrations
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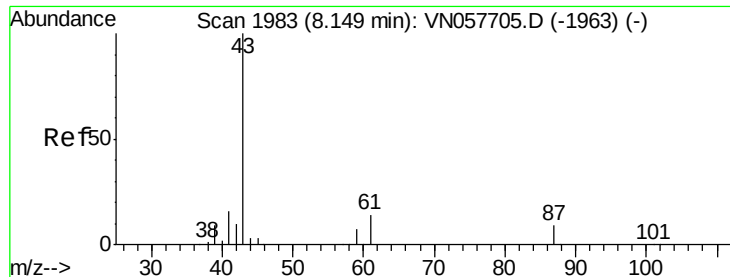
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#42
1,2-Dichloroethane
Concen: 19.427 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	12.6





#43

Isopropyl Acetate

Concen: 18.909 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

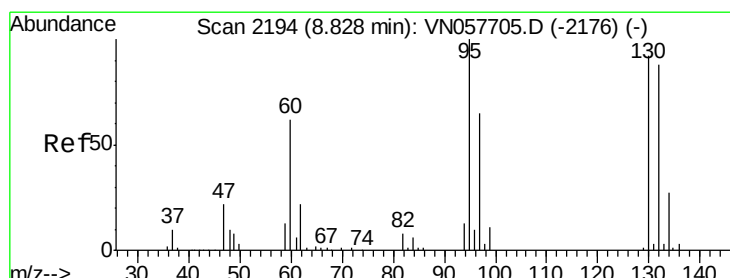
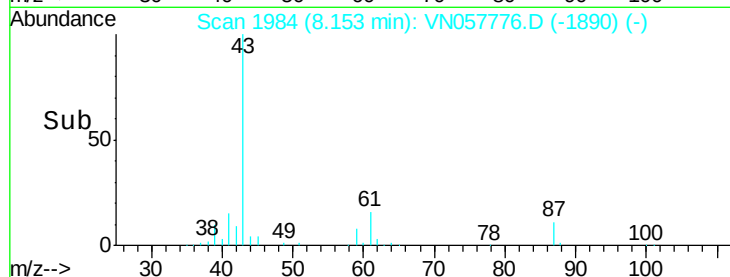
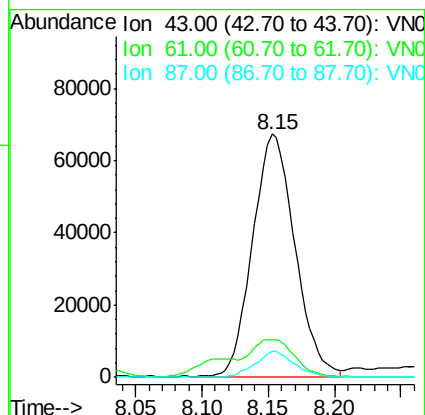
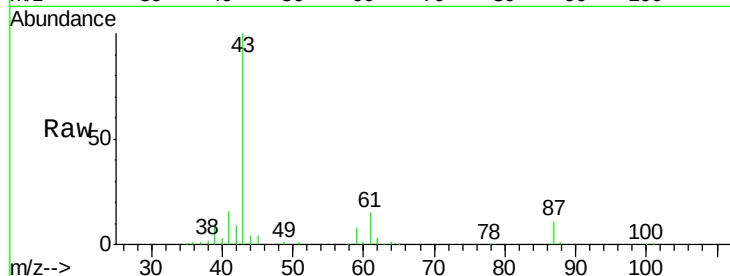
ClientSampleId :

VN0907WBSD02

Tot Ion:	43	Resp:	149150
Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.8	19.2
87	9.8	7.8	11.8

Manual Integrations
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9/10/2019 3:02:56 PM



#44

Trichloroethene

Concen: 21.707 ug/l

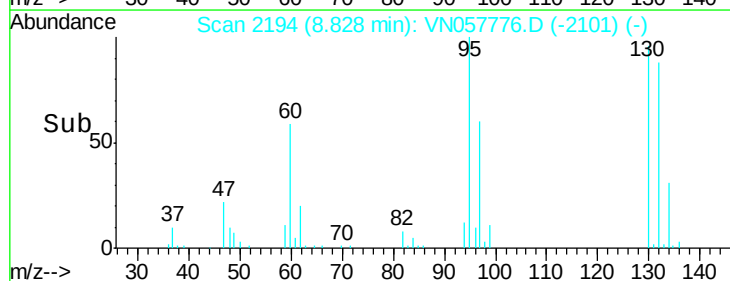
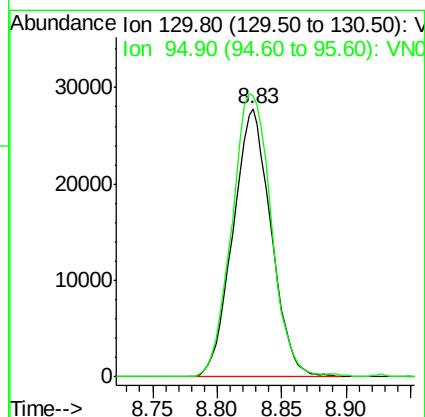
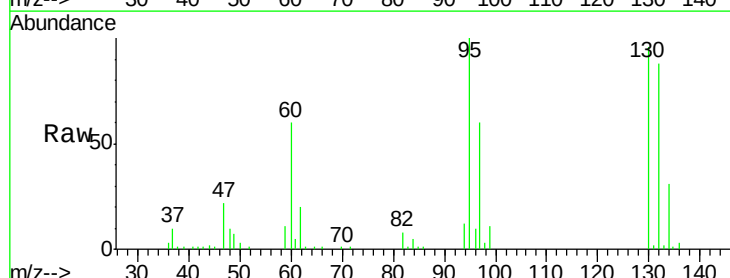
RT: 8.83 min Scan# 2194

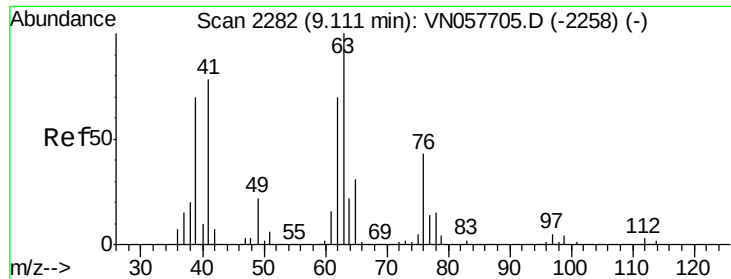
Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Tgt Ion:	130	Resp:	57118
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	217.8





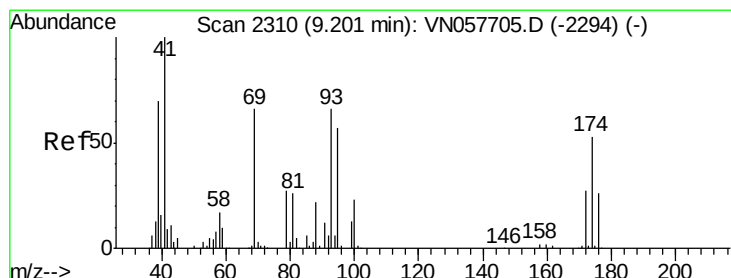
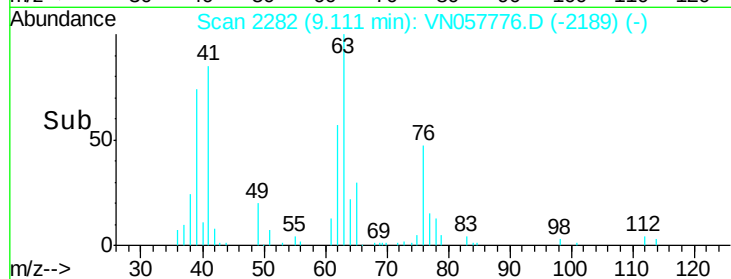
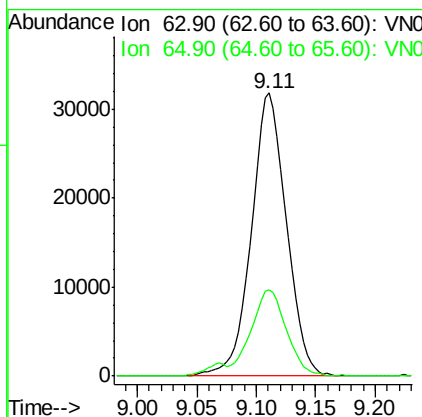
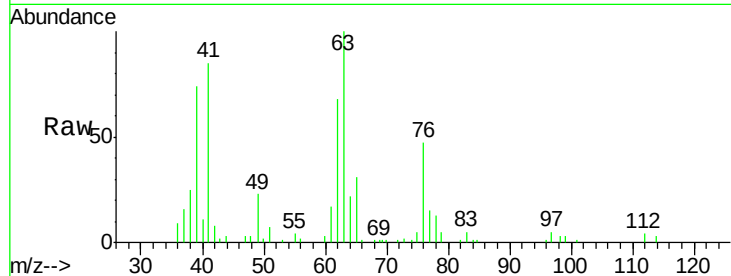
#45
 1,2-Dichloropropane
 Concen: 19.753 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion: 63 Resp: 64680
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.5 36.7

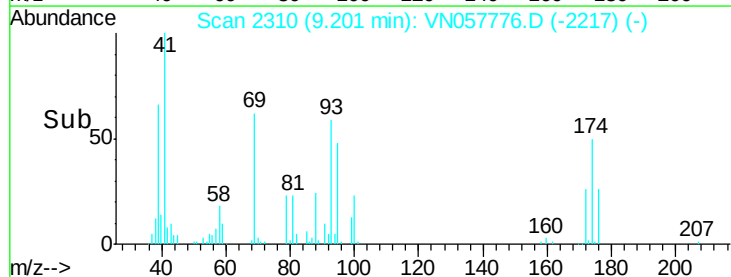
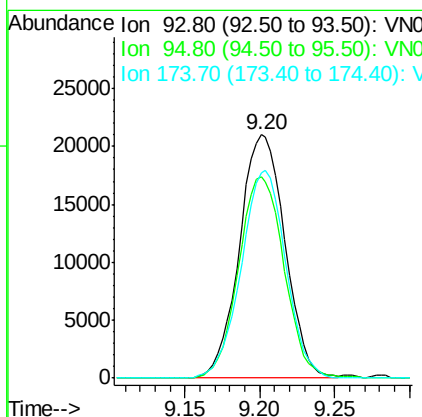
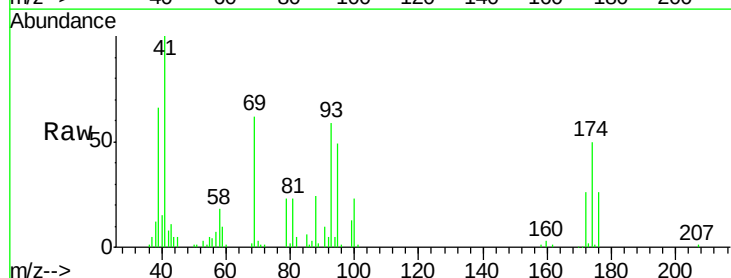
Manual Integrations
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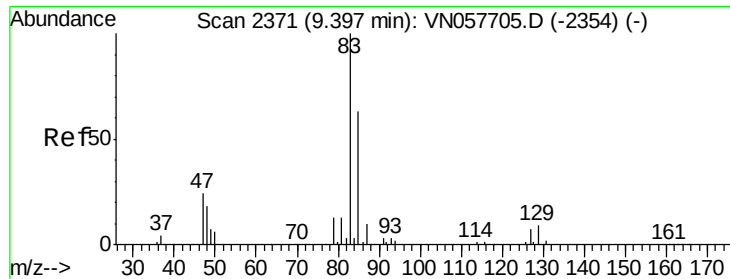
MMDadoda
 9/10/2019 3:02:56 PM



#46
 Dibromomethane
 Concen: 21.170 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion: 93 Resp: 44465
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.1 99.1
 174 83.5 63.4 95.2





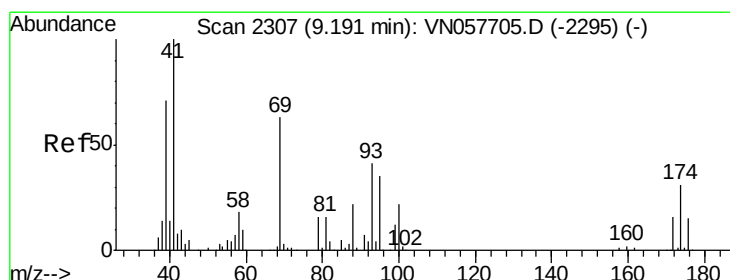
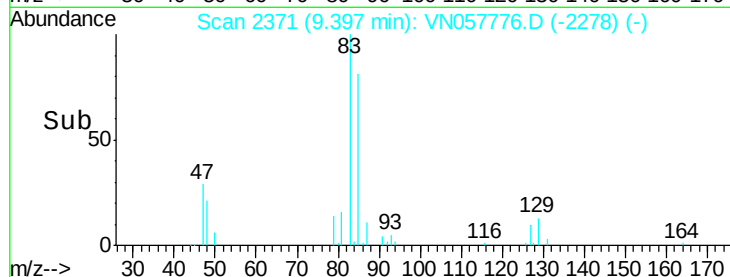
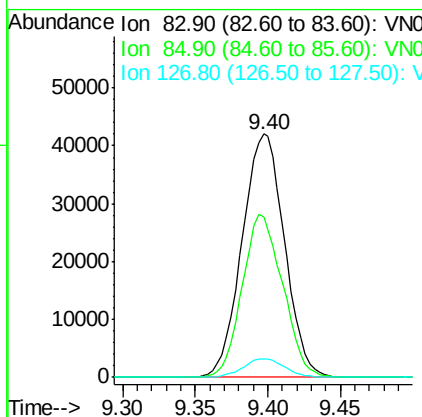
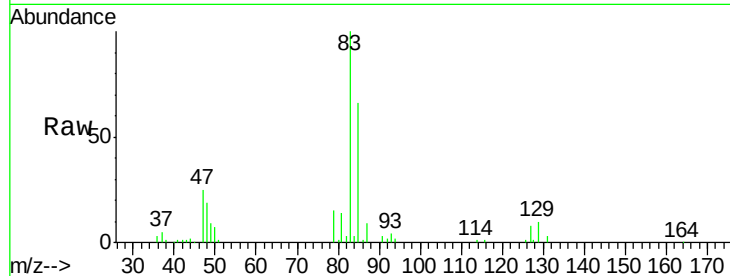
#47
Bromodichloromethane
Concen: 19.134 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	83	Resp	85409
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	50.7	76.1
127	7.7	5.6	8.4

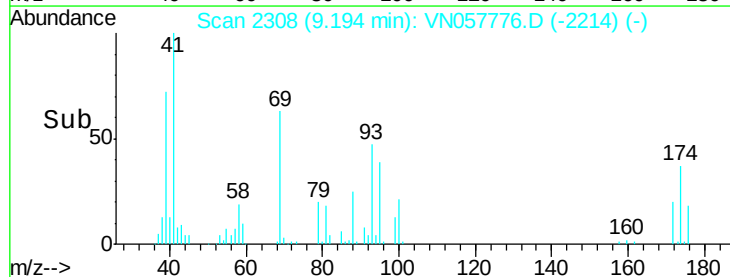
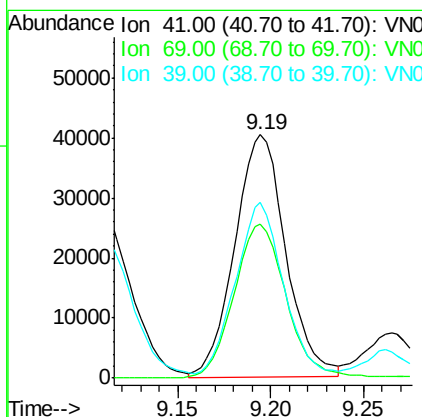
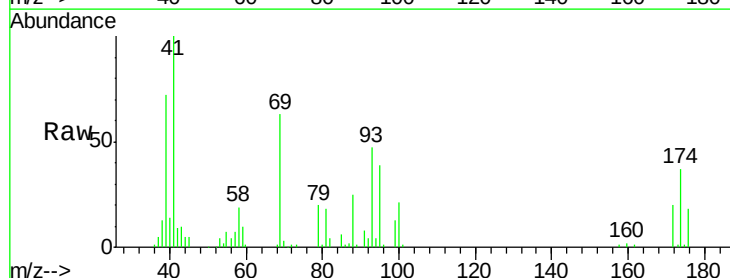
Manual Integrations
APPROVED

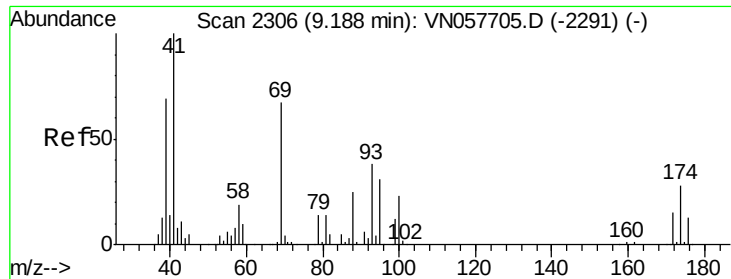
MMDadoda
9/10/2019 3:02:56 PM



#48
Methyl methacrylate
Concen: 19.074 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	41	Resp	77374
Ion Ratio	100	Lower	Upper
41	100		
69	65.0	51.2	76.8
39	67.9	57.3	85.9





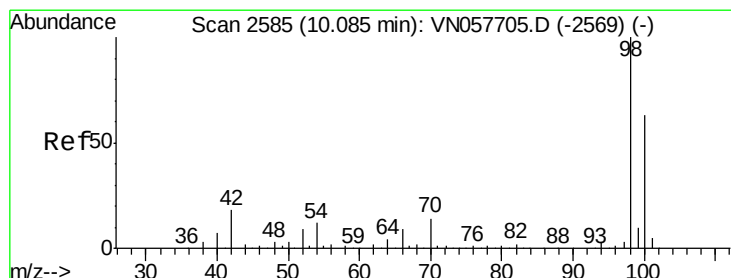
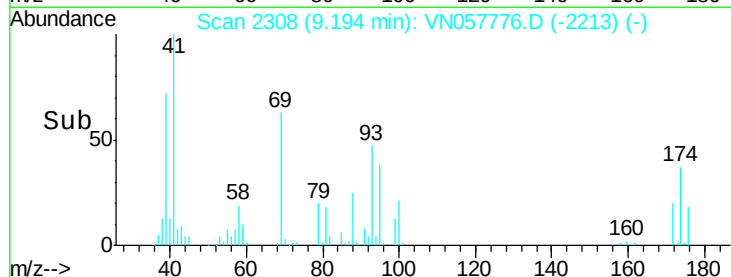
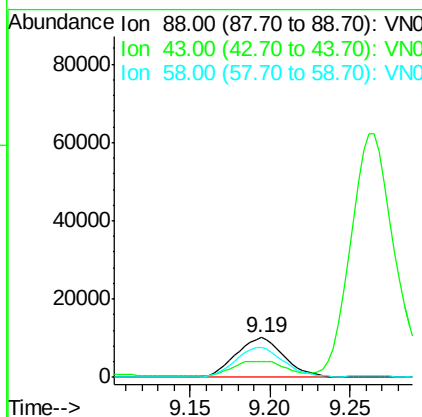
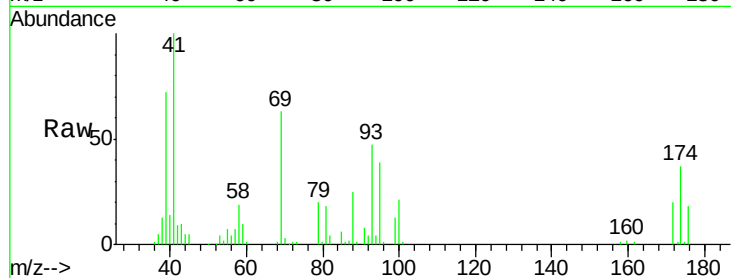
#49
1,4-Dioxane
Concen: 441.936 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	35.4	53.2
58	75.9	61.5	92.3

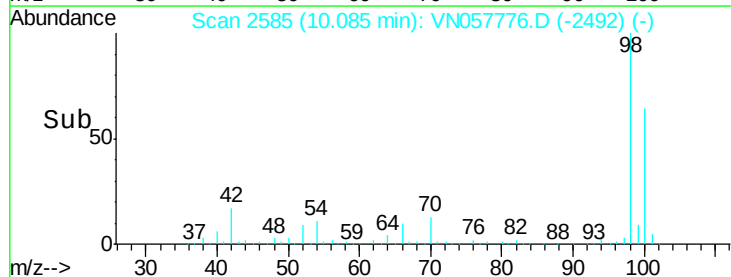
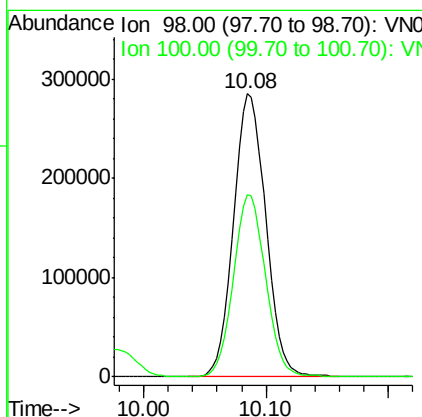
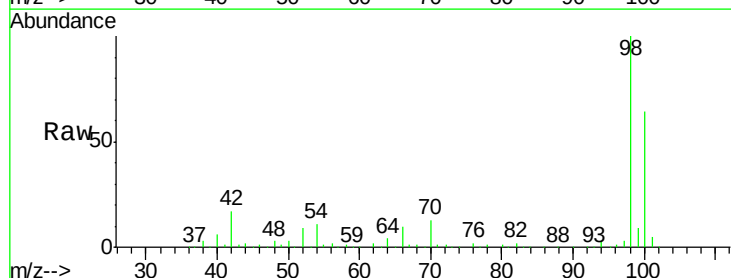
Manual Integrations
APPROVED

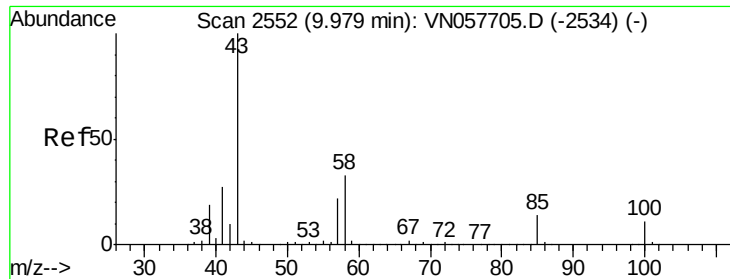
MMDadoda
9/10/2019 3:02:56 PM



#50
Toluene-d8
Concen: 49.954 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 103.101 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion: 43 Resp: 451629

Ion Ratio Lower Upper

43 100

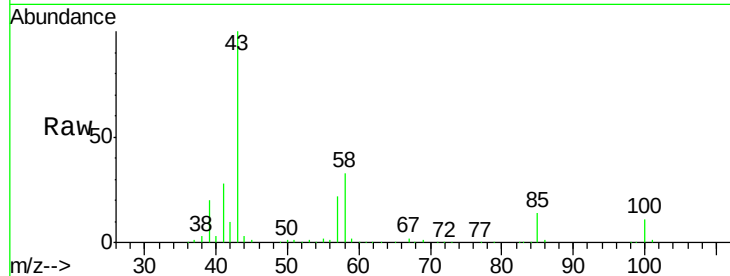
58 33.0 25.8 38.8

Manual Integrations

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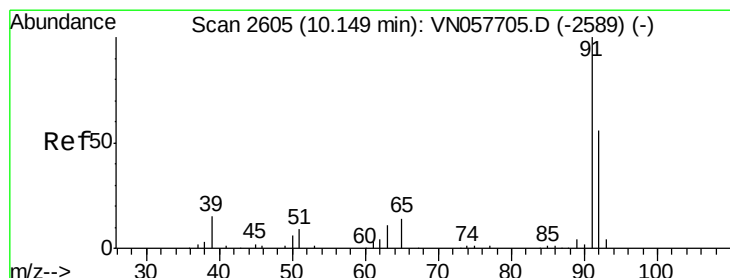
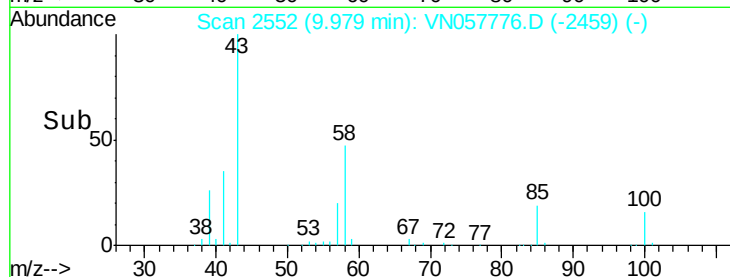
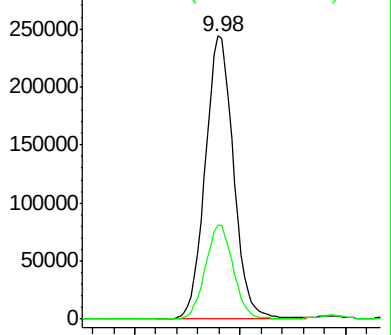
MMDadoda

9/10/2019 3:02:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.036 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057776.D

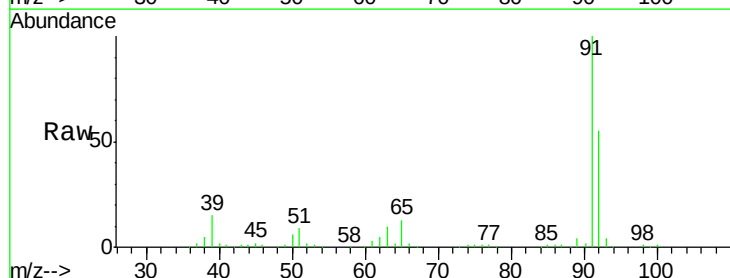
Acq: 8 Sep 2019 00:39

Tgt Ion: 92 Resp: 142178

Ion Ratio Lower Upper

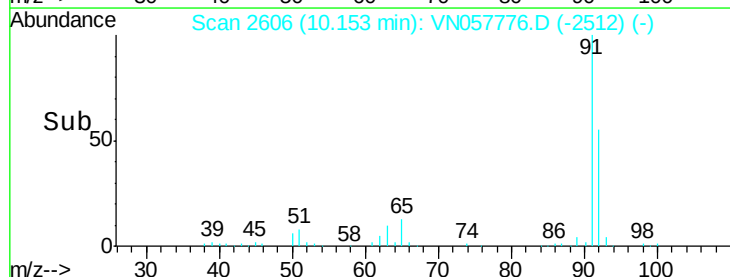
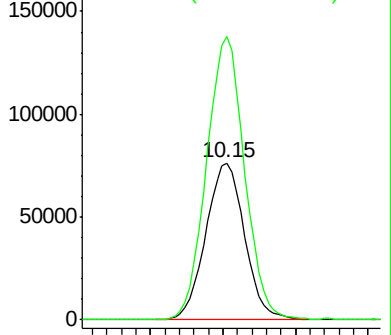
92 100

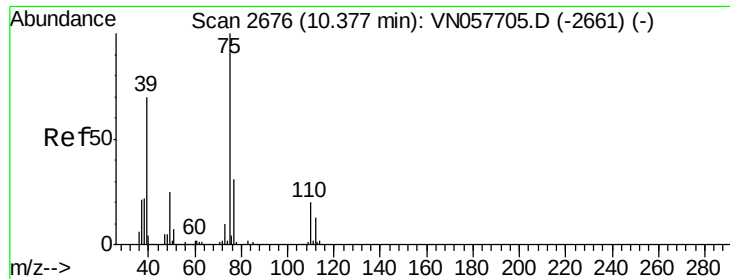
91 176.7 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.260 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion: 75 Resp: 77294

Ion Ratio Lower Upper

75 100

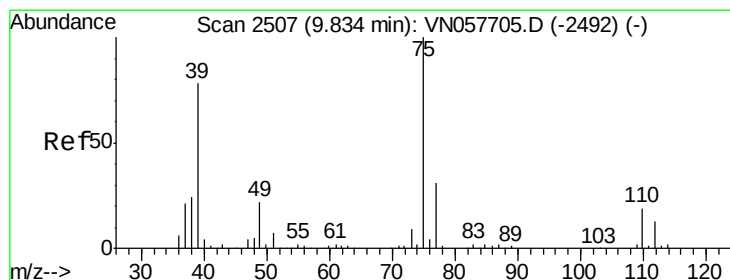
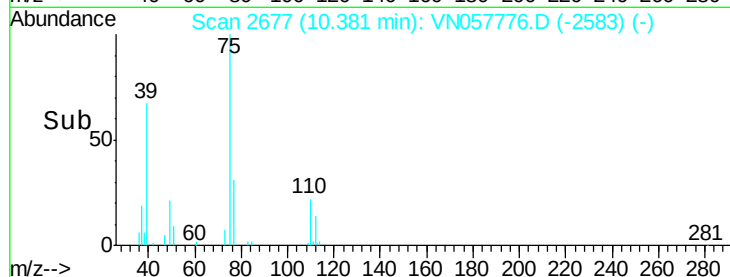
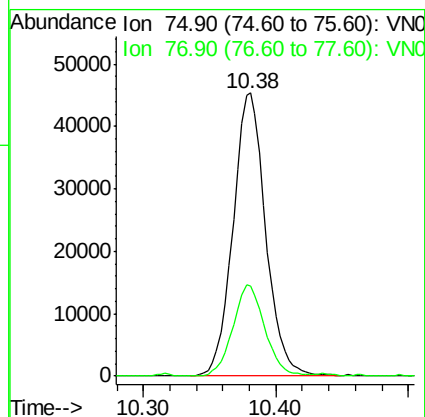
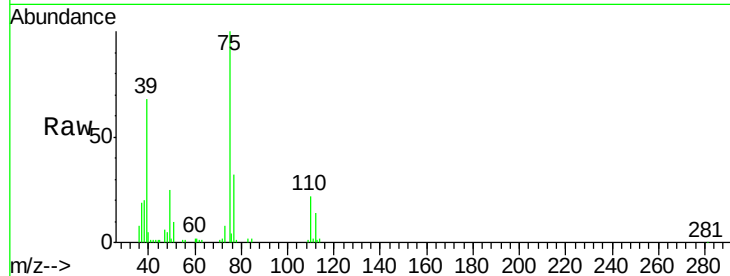
77 31.9 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.254 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

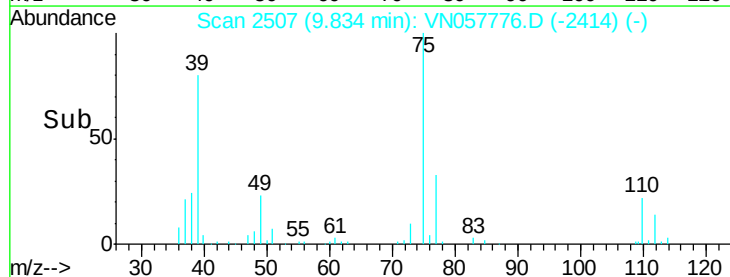
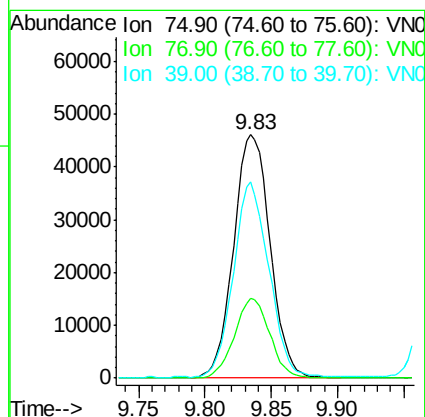
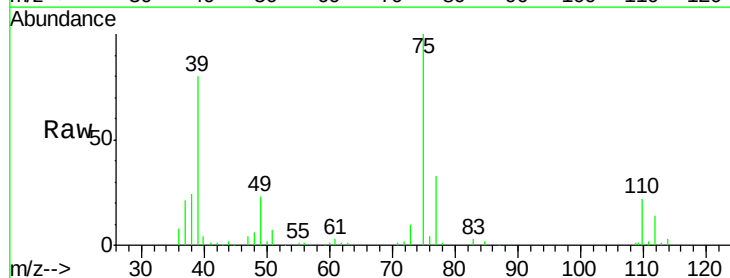
Tgt Ion: 75 Resp: 88322

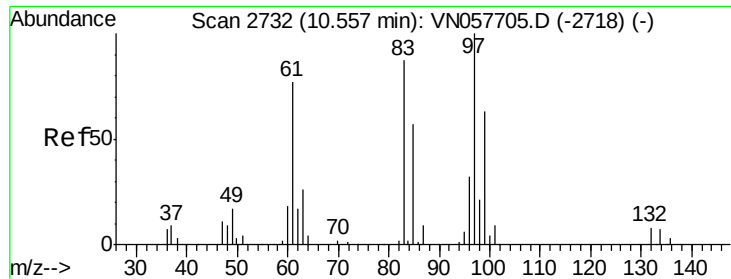
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 80.1 62.4 93.6





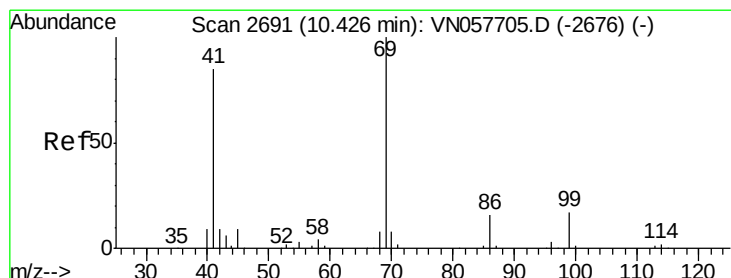
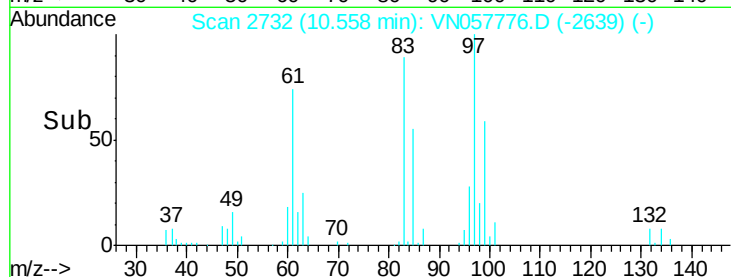
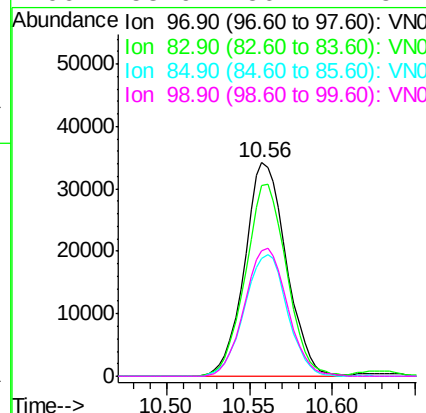
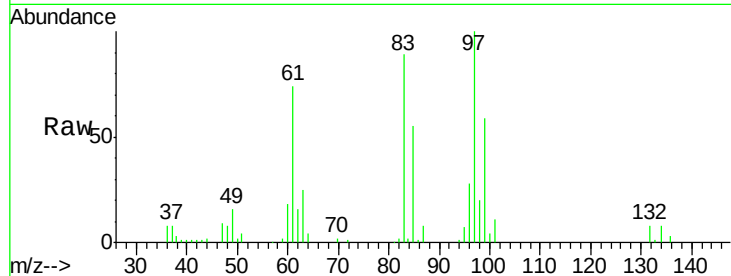
#55
 1,1,2-Trichloroethane
 Concen: 20.961 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion:	97	Resp:	59858
Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.5	104.3
85	55.0	45.7	68.5
99	58.9	50.2	75.4

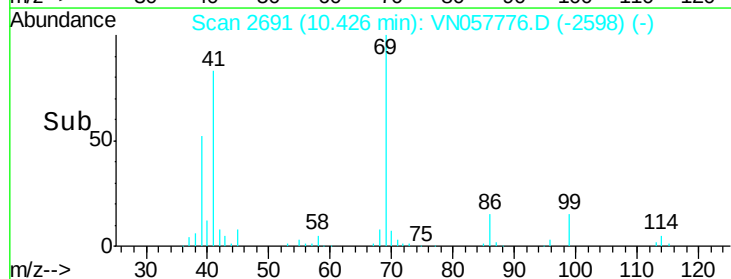
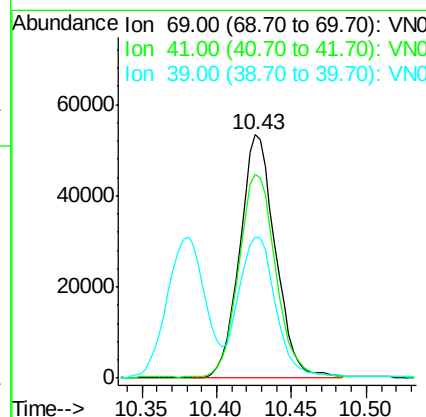
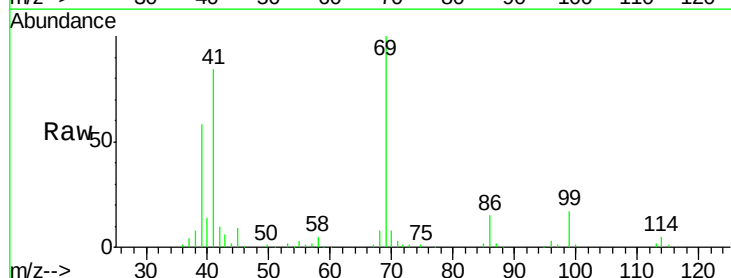
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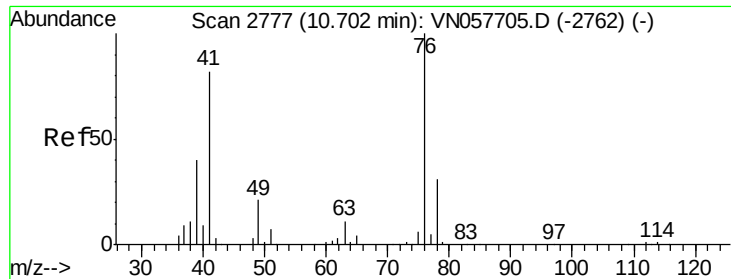
MMDadoda
 9/10/2019 3:02:56 PM



#56
 Ethyl methacrylate
 Concen: 19.470 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion:	69	Resp:	88743
Ion	Ratio	Lower	Upper
69	100		
41	86.2	69.0	103.4
39	60.1	49.2	73.8





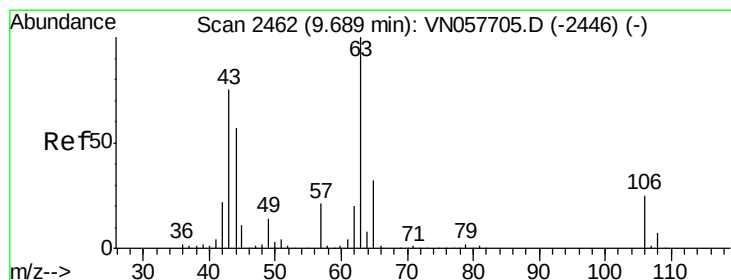
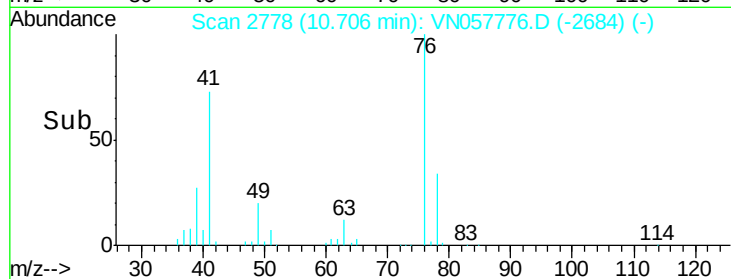
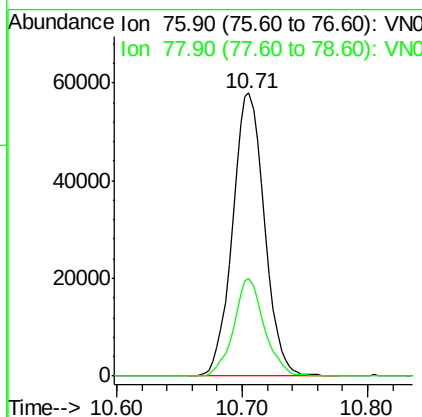
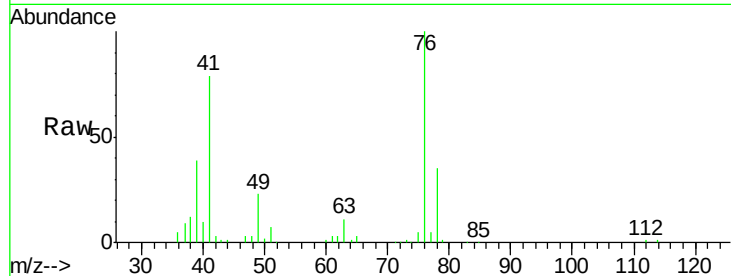
#57
 1,3-Dichloropropane
 Concen: 19.956 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion: 76 Resp: 102370
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.5 38.3

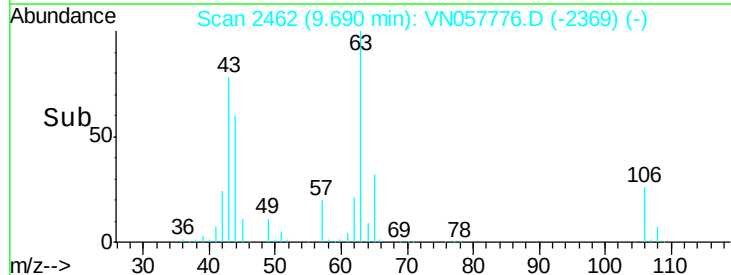
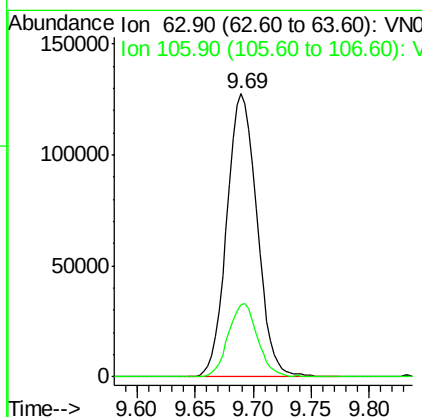
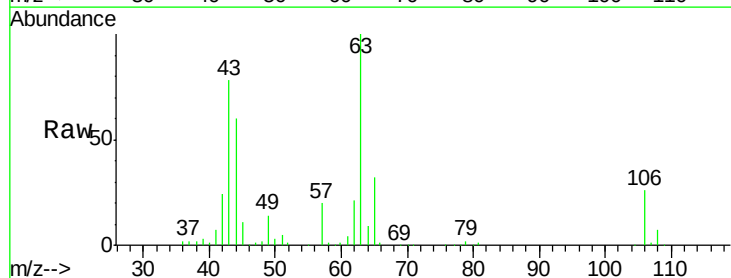
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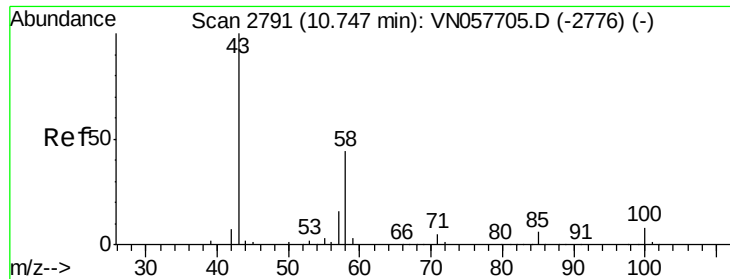
MMDadoda
 9/10/2019 3:02:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.719 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion: 63 Resp: 230596
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.4 29.2





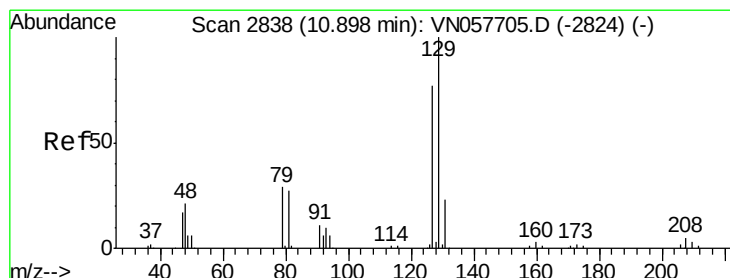
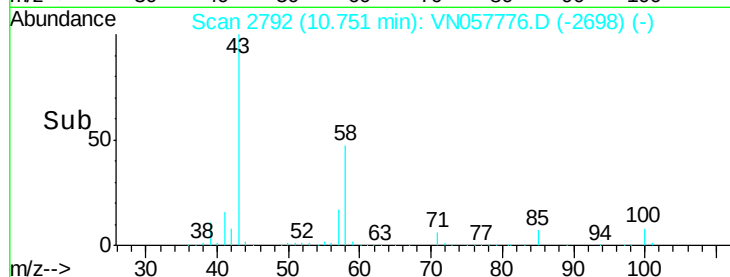
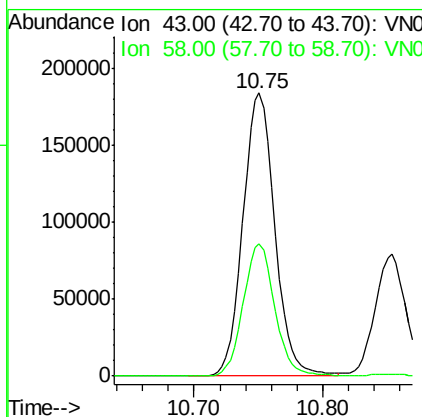
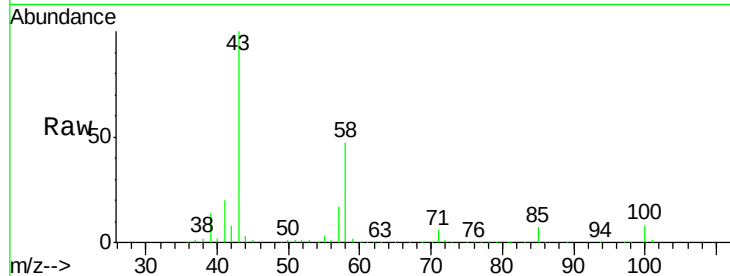
#59
2-Hexanone
Concen: 102.591 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion: 43 Resp: 316895
Ion Ratio Lower Upper
43 100
58 46.0 22.1 66.5

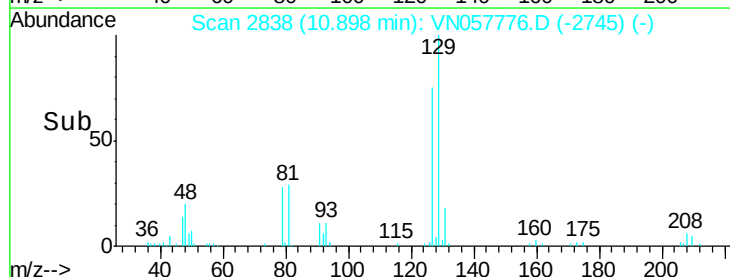
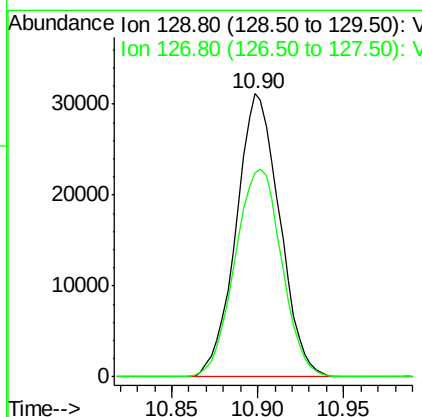
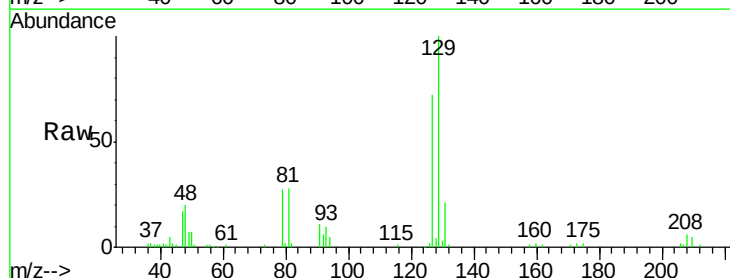
Manual Integrations
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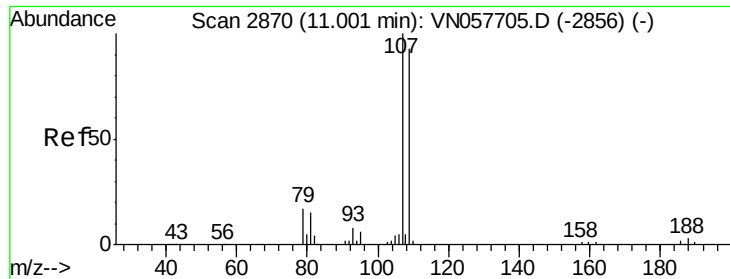
MMDadoda
9/10/2019 3:02:56 PM



#60
Dibromochloromethane
Concen: 19.016 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion: 129 Resp: 54883
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.2





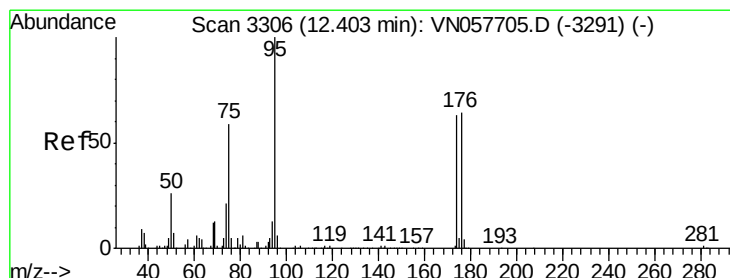
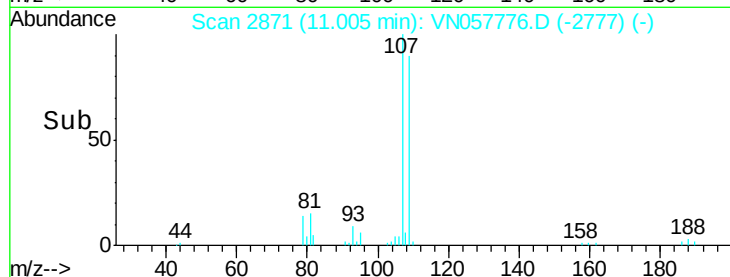
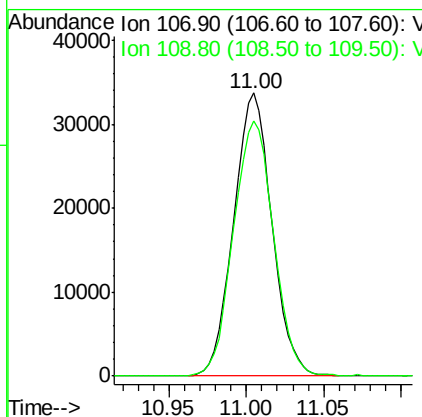
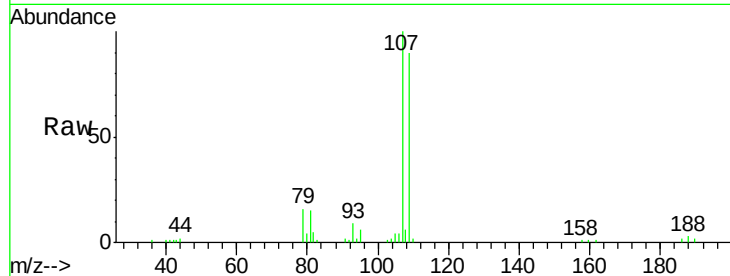
#61
 1,2-Dibromoethane
 Concen: 21.143 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion:107 Resp: 57963
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.6 112.0

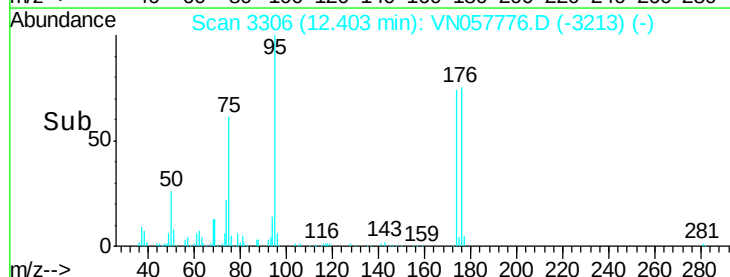
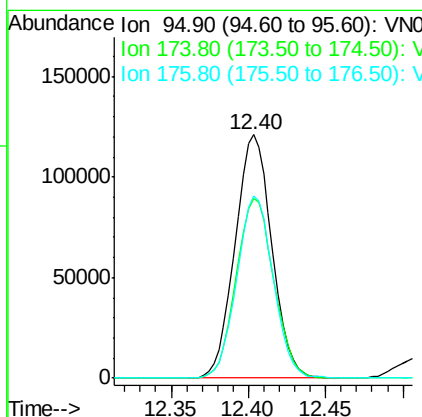
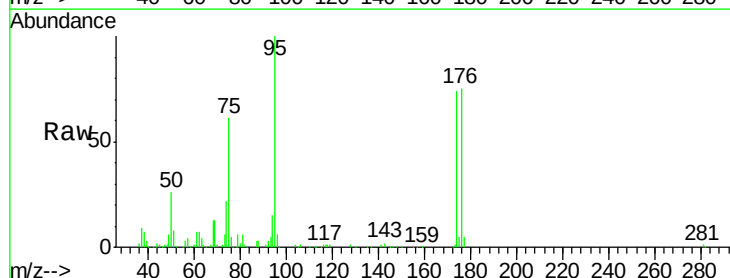
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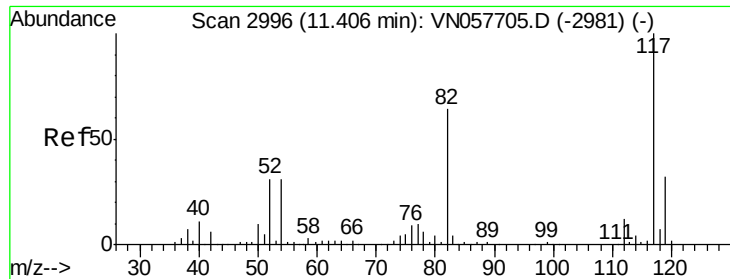
MMDadoda
 9/10/2019 3:02:56 PM



#62
 4-Bromofluorobenzene
 Concen: 45.950 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion: 95 Resp: 200085
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 128.0
 176 73.8 0.0 128.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

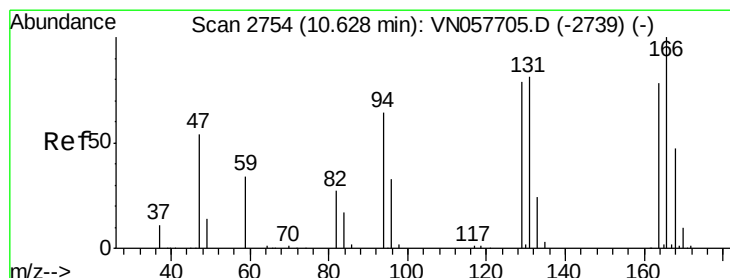
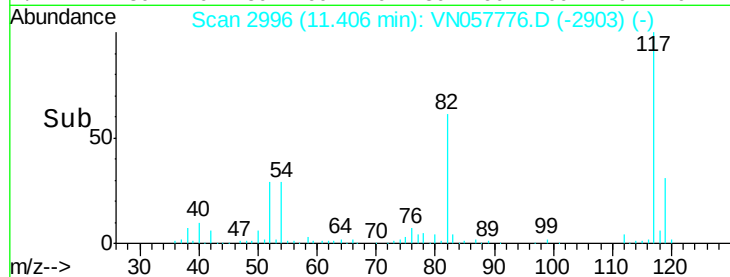
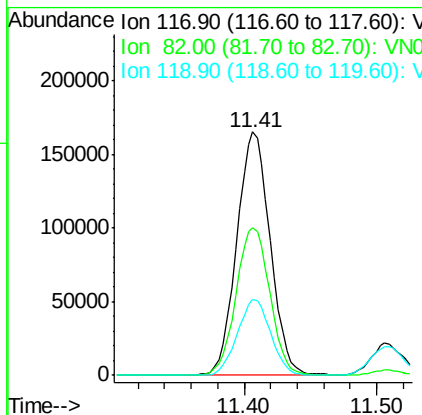
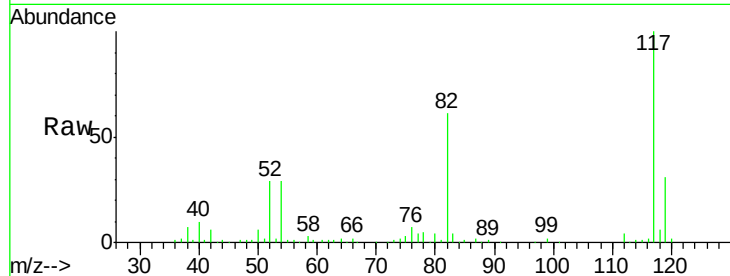
ClientSampleId :

VN0907WBSD02

Tot Ion:	117	Resp:	289066
Ion Ratio	Lower	Upper	
117	100		
82	60.7	51.4	77.0
119	31.3	25.4	38.2

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#64

Tetrachloroethene

Concen: 21.608 ug/l

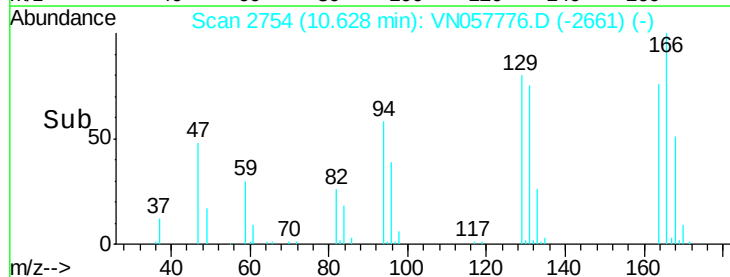
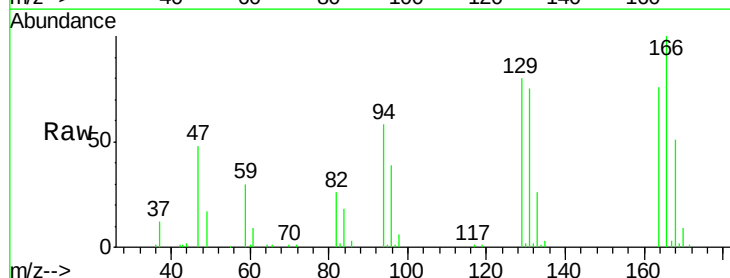
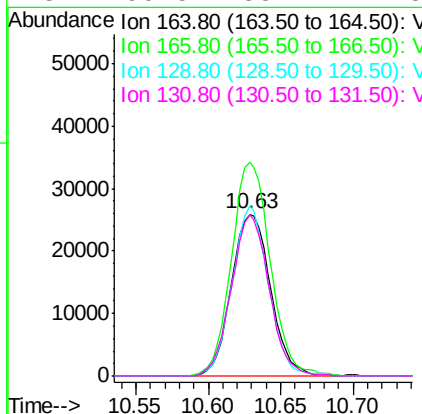
RT: 10.63 min Scan# 2754

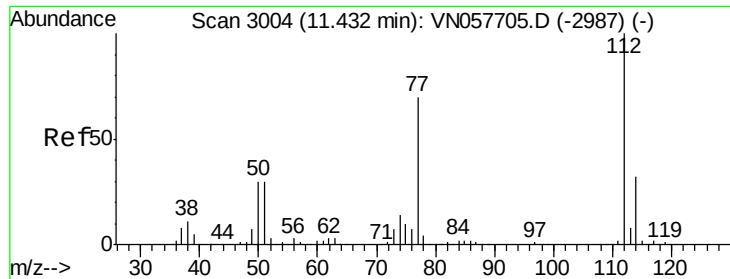
Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Tgt Ion:	164	Resp:	48697
Ion Ratio	Lower	Upper	
164	100		
166	132.2	103.0	154.6
129	105.7	81.1	121.7
131	99.5	83.2	124.8





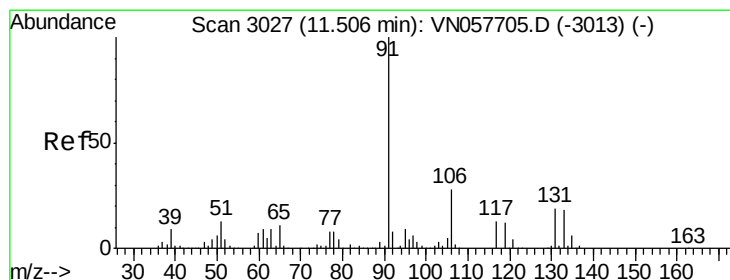
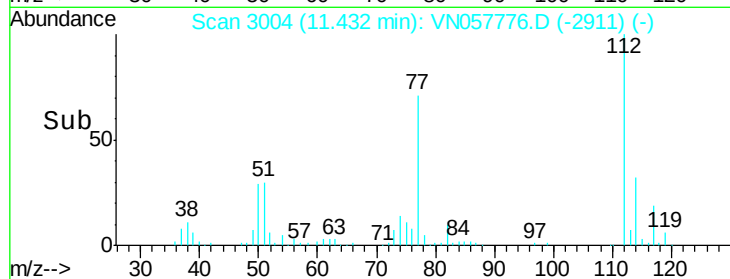
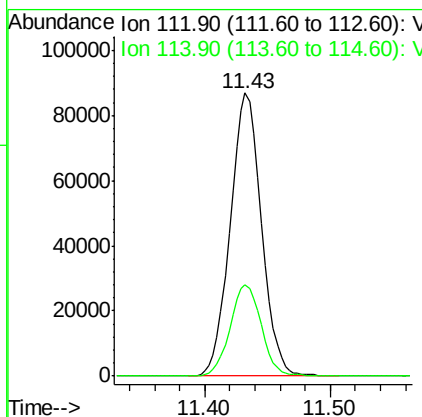
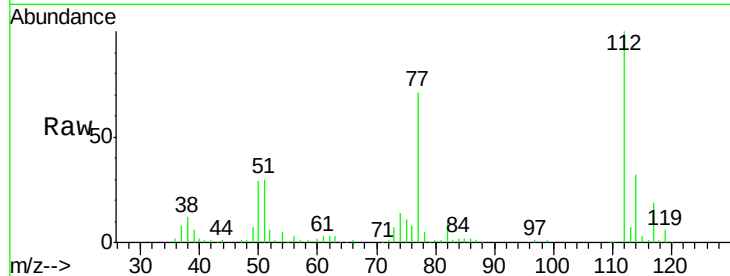
#65
Chlorobenzene
Concen: 19.894 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion:112 Resp: 150011
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

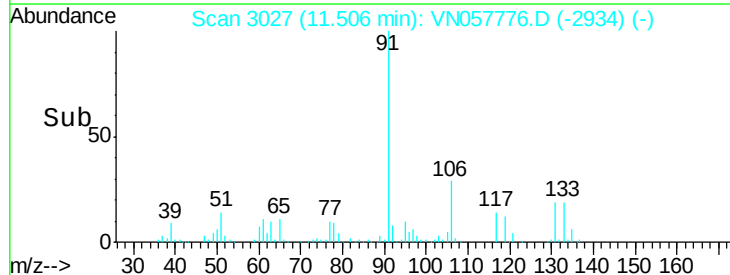
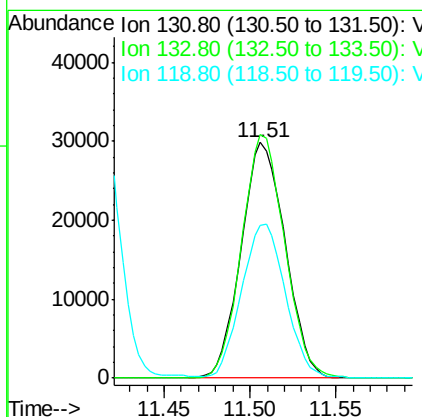
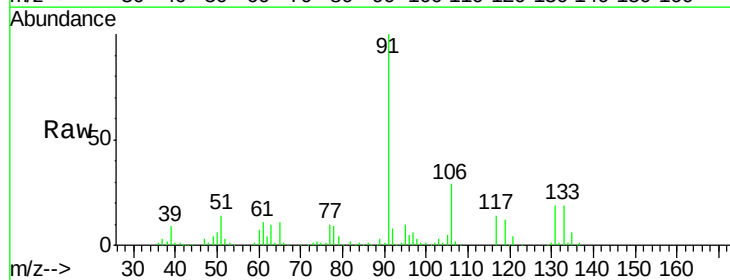
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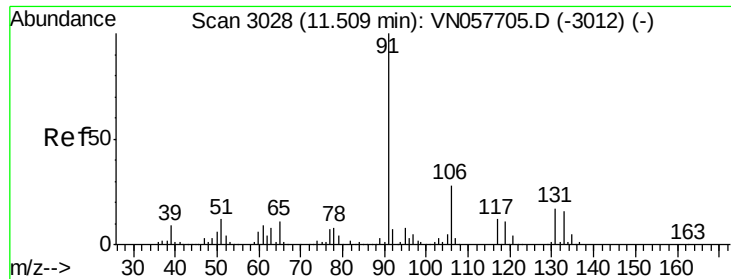
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.227 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion:131 Resp: 53070
Ion Ratio Lower Upper
131 100
133 101.0 47.6 142.9
119 65.2 32.8 98.3





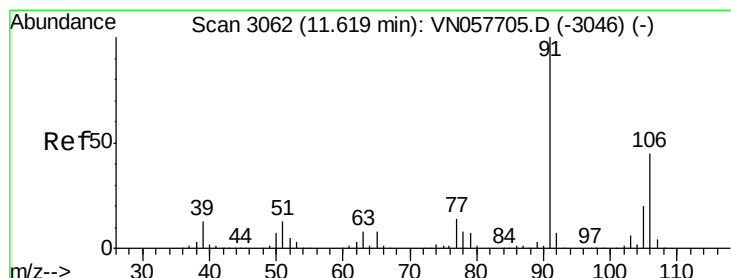
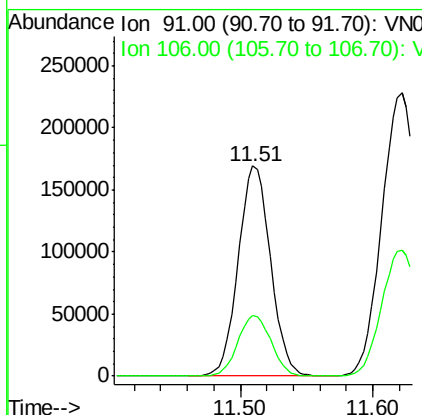
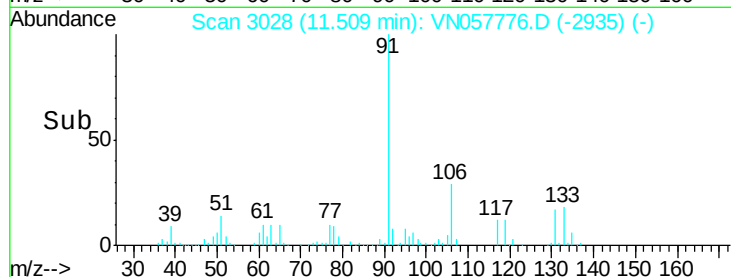
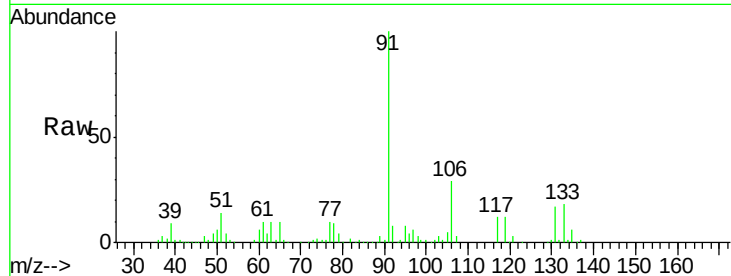
#67
Ethyl Benzene
Concen: 19.705 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampled :
VN0907WBSD02

Tot Ion: 91 Resp: 286681
Ion Ratio Lower Upper
91 100
106 28.8 22.8 34.2

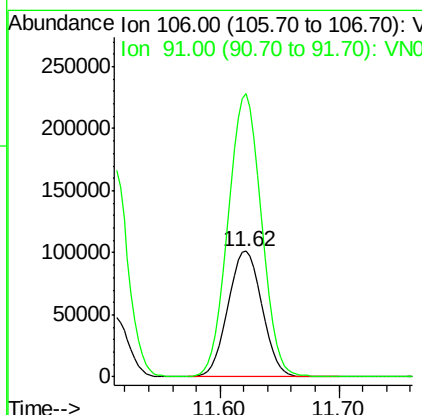
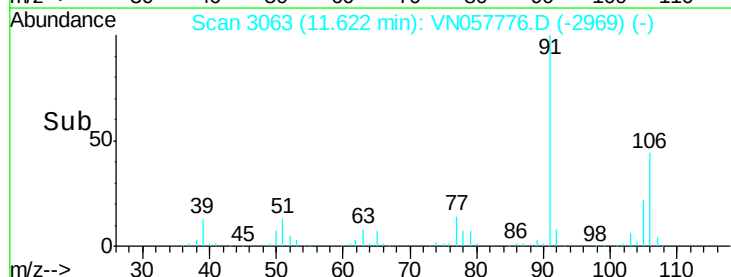
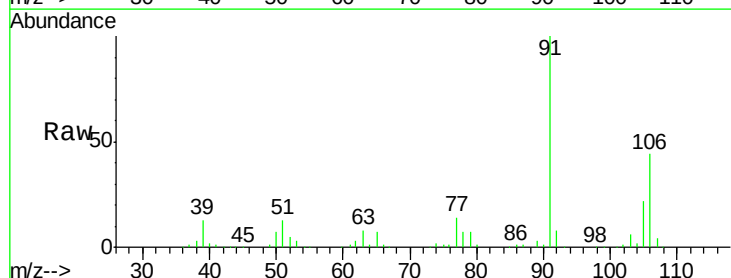
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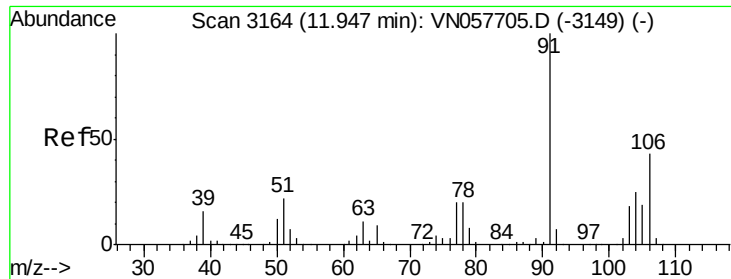
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#68
m/p-Xylenes
Concen: 40.251 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion: 106 Resp: 201696
Ion Ratio Lower Upper
106 100
91 220.5 179.8 269.8





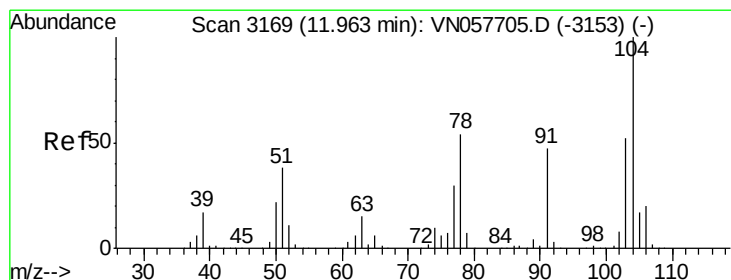
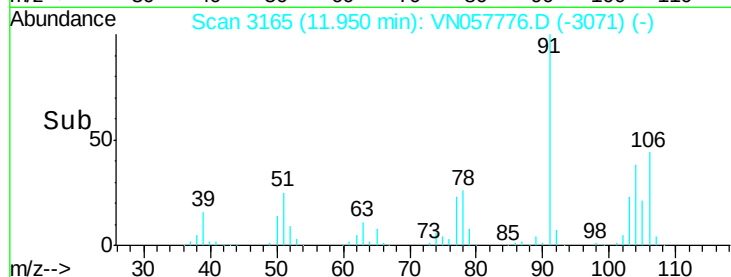
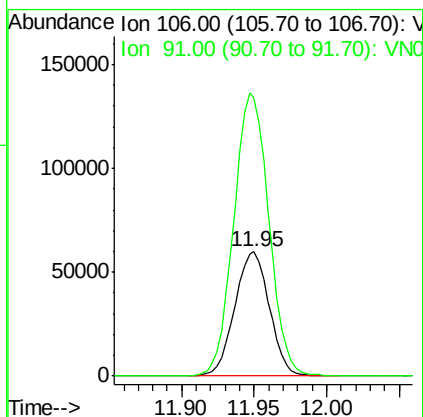
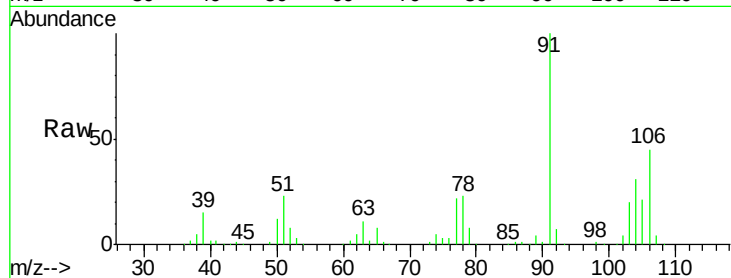
#69
o-Xylene
Concen: 20.022 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion:106 Resp: 99347
Ion Ratio Lower Upper
106 100
91 230.3 116.8 350.4

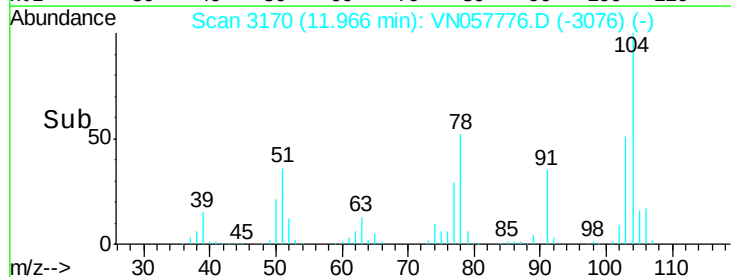
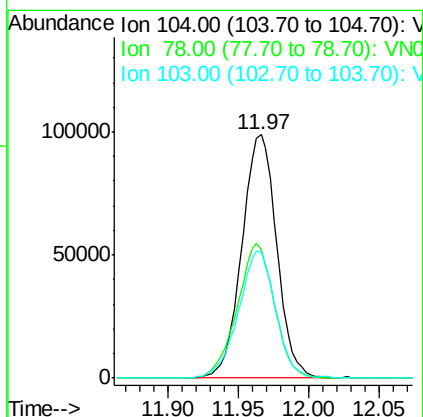
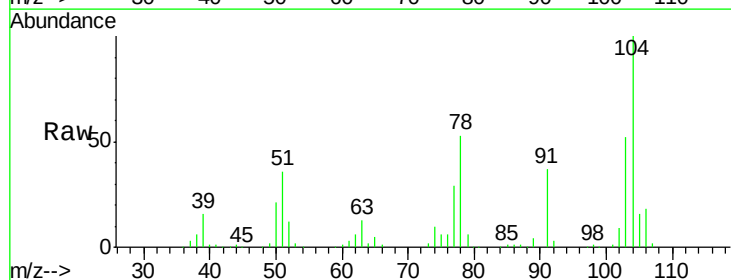
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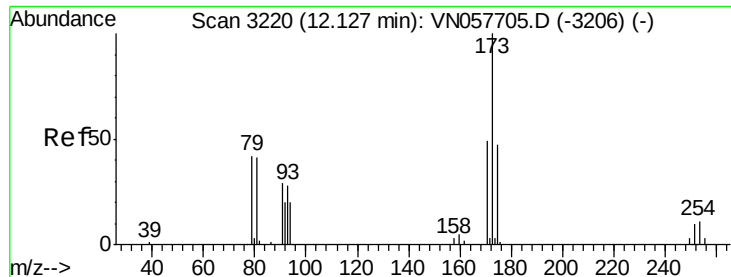
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#70
Styrene
Concen: 19.959 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion:104 Resp: 171359
Ion Ratio Lower Upper
104 100
78 58.9 48.5 72.7
103 55.3 45.0 67.4





#71

Bromoform

Concen: 19.007 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion:173 Resp: 33051

Ion Ratio Lower Upper

173 100

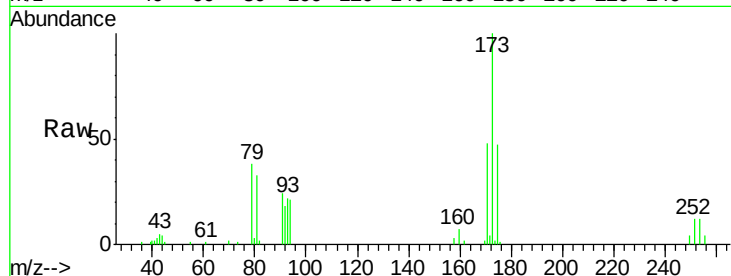
175 49.0 24.6 73.8

254 0.0 0.0 0.0

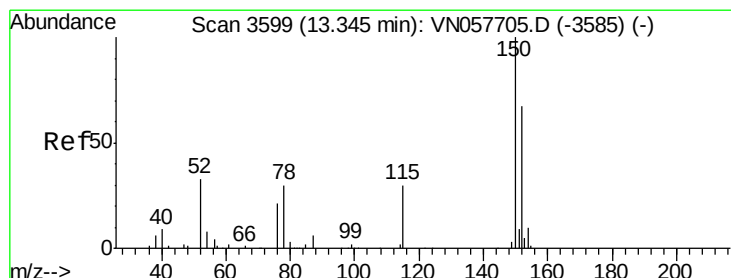
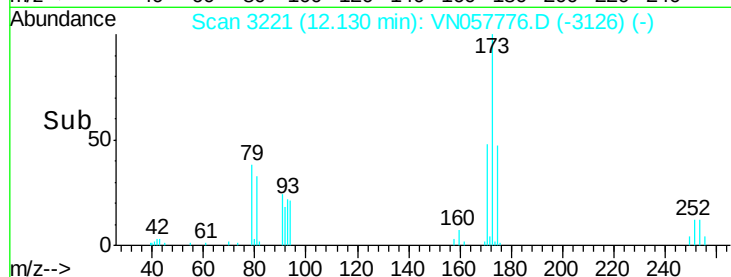
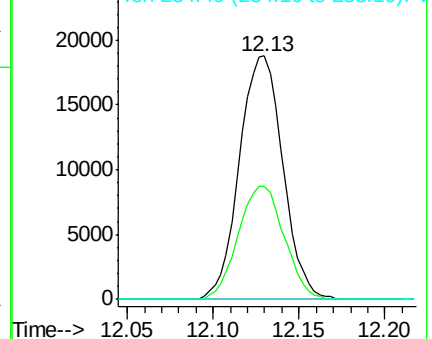
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

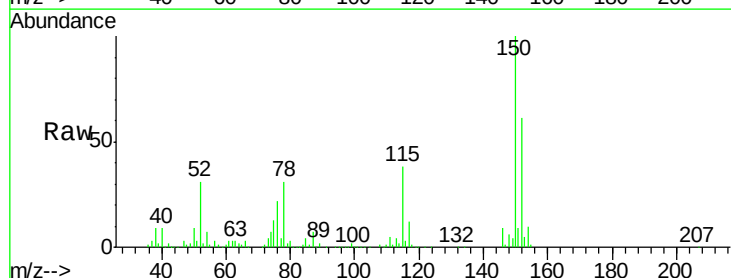
Tgt Ion:152 Resp: 159959

Ion Ratio Lower Upper

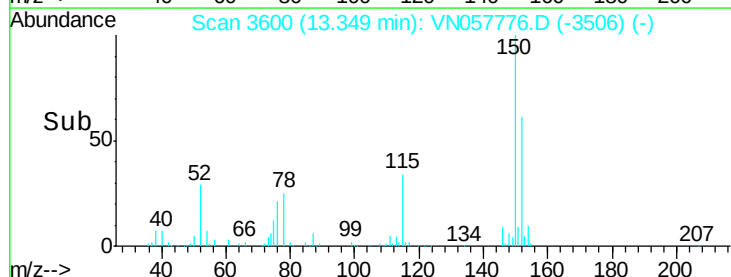
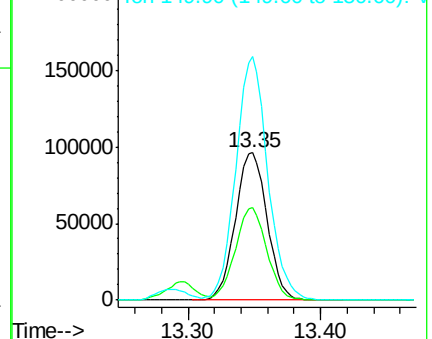
152 100

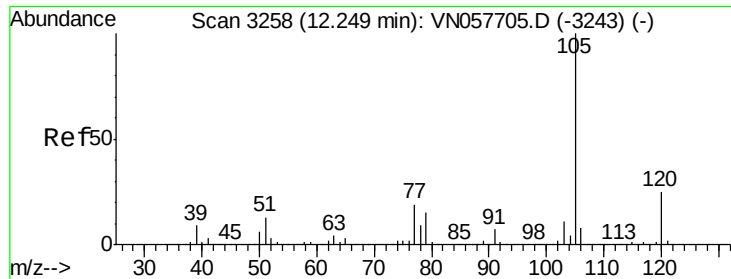
115 62.1 33.8 101.3

150 166.3 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





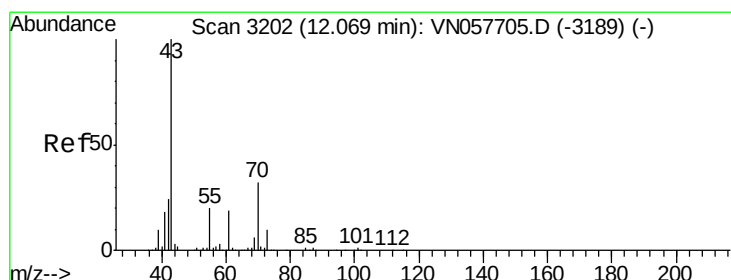
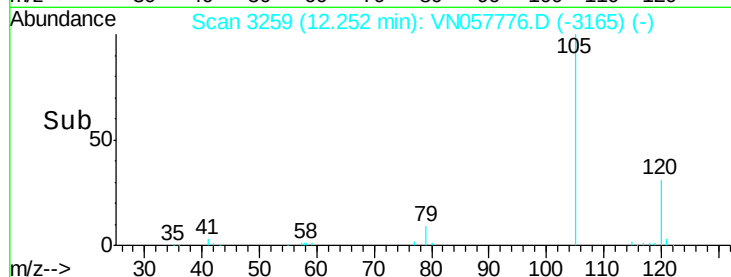
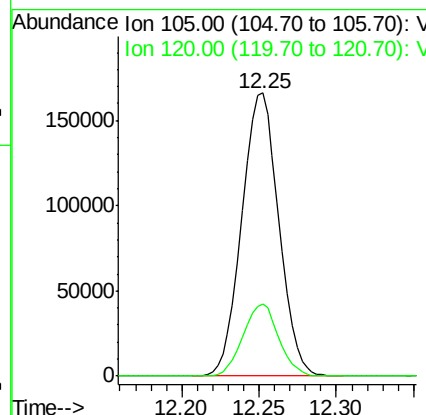
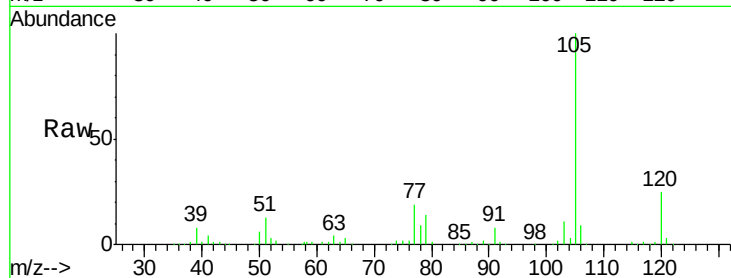
#73
Isopropylbenzene
Concen: 19.537 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.6	12.2	36.6

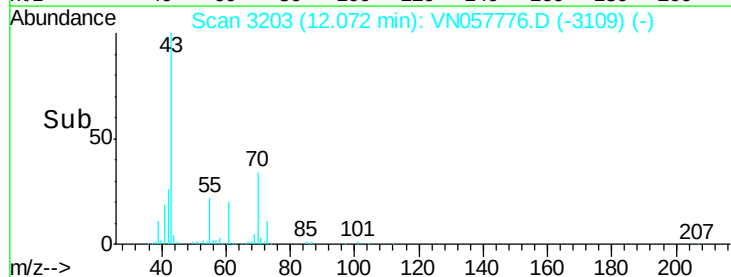
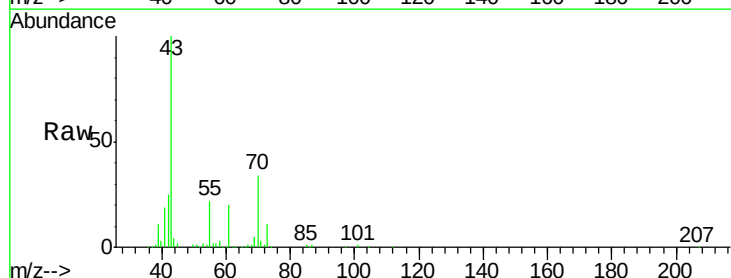
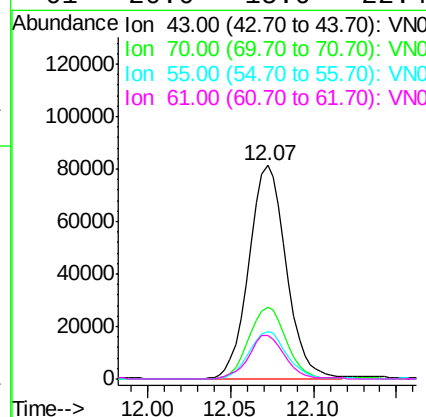
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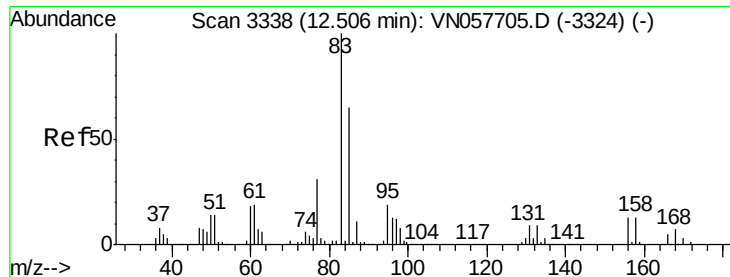
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#74
N-ethyl acetate
Concen: 18.039 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.2	26.1	39.1
55	22.8	16.3	24.5
61	20.0	15.0	22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.392 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

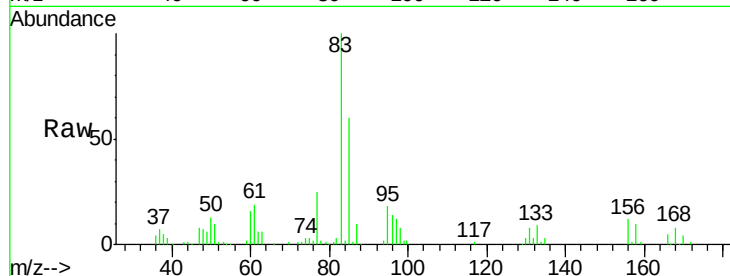
ClientSampleId :

VN0907WBSD02

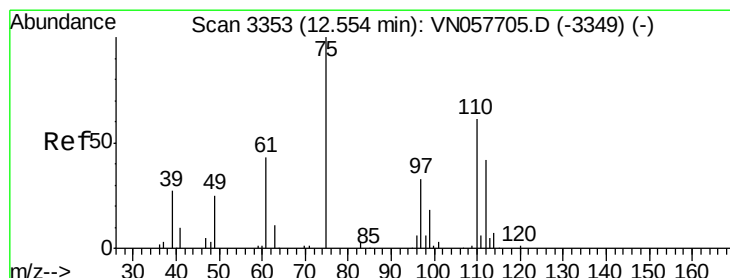
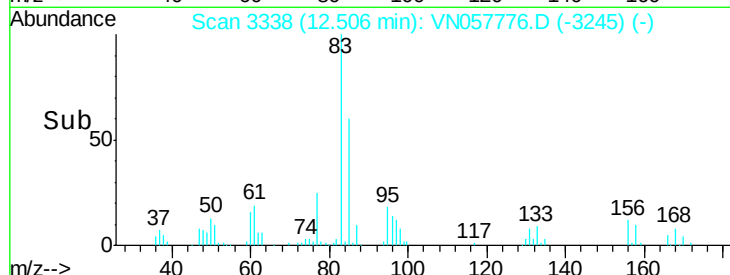
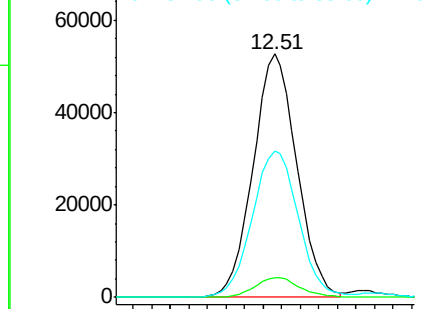
Tot Ion:	83	Resp:	86476
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.5	13.5
85	63.4	31.8	95.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057776.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 19.494 ug/l m

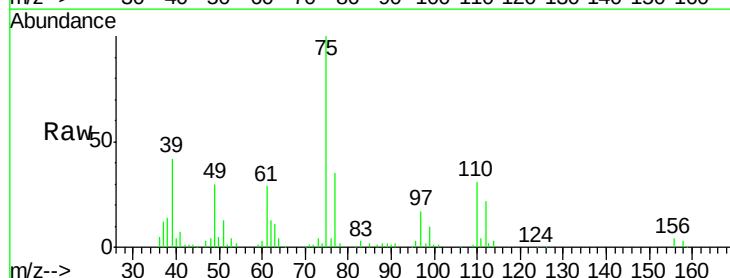
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

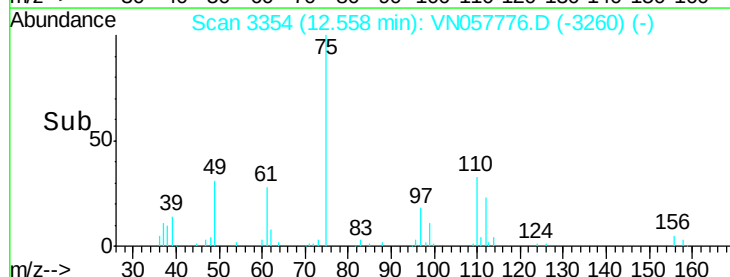
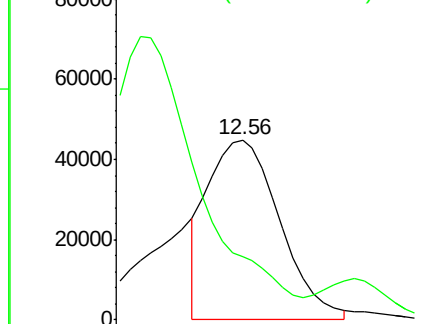
Lab File: VN057776.D

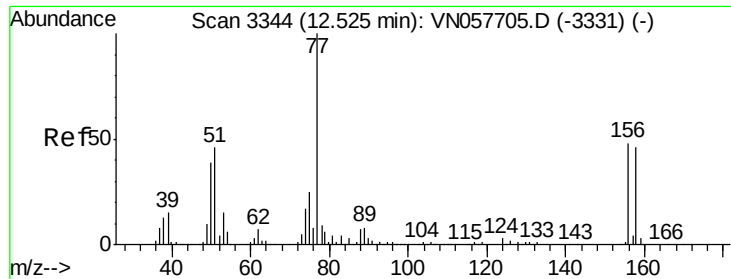
Acq: 8 Sep 2019 00:39

Tgt Ion:	75	Resp:	71607
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057776.D (-3260) (-)





#77

Bromobenzene

Concen: 22.128 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

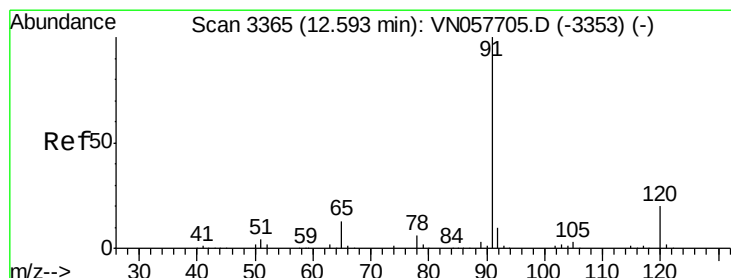
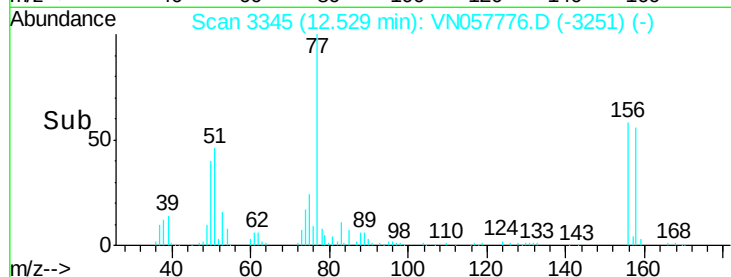
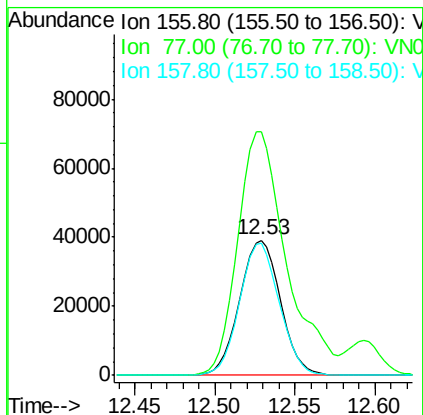
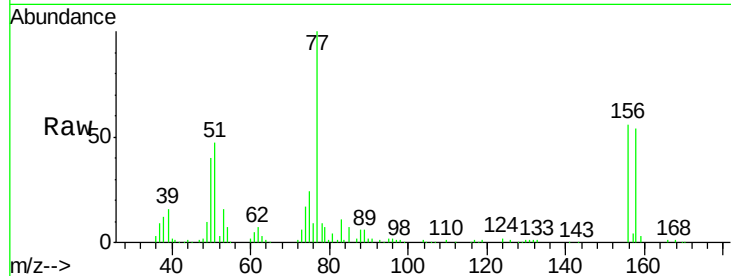
ClientSampleId :

VN0907WBSD02

Tot Ion:	156	Resp:	67985
Ion	Ratio	Lower	Upper
156	100		
77	216.9	125.4	376.2
158	95.5	49.3	147.9

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#78

n-propylbenzene

Concen: 19.287 ug/l

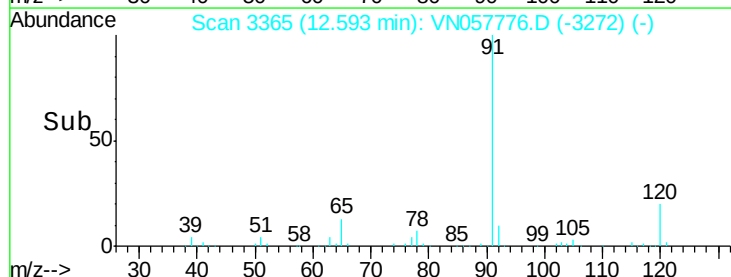
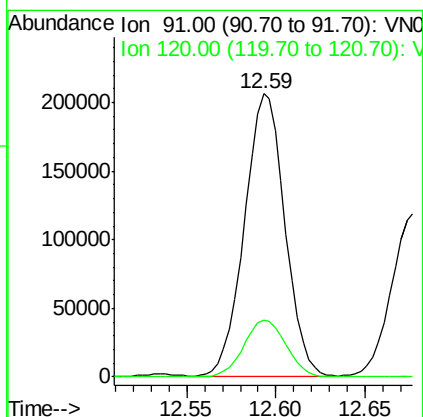
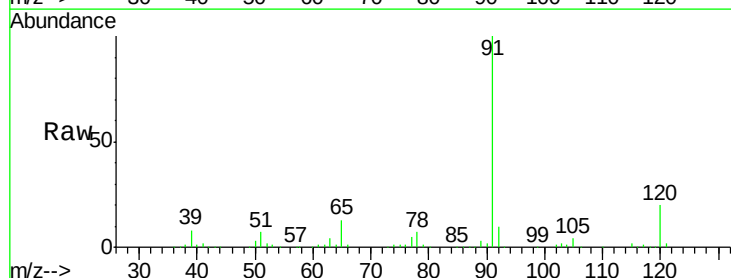
RT: 12.59 min Scan# 3365

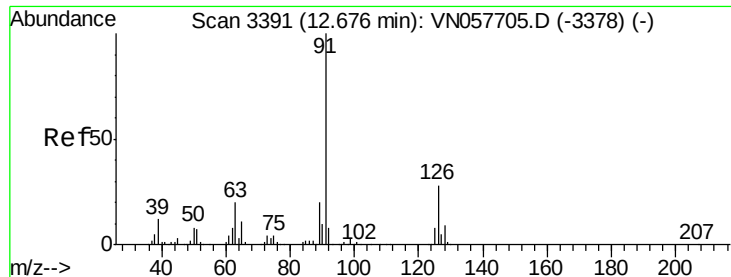
Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Tgt Ion:	91	Resp:	324045
Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.0	30.0





#79

2-Chlorotoluene

Concen: 19.009 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion: 91 Resp: 194433

Ion Ratio Lower Upper

91 100

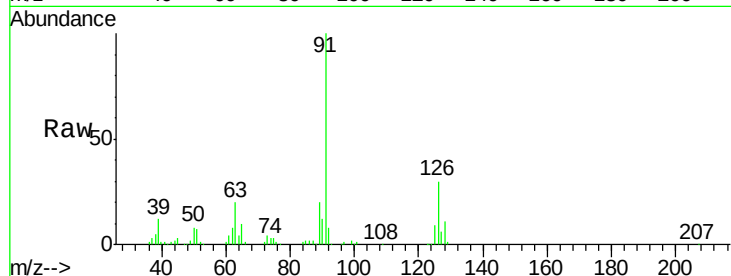
126 31.4 14.5 43.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057776.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN057776.D (-3391) (-)

200000

150000

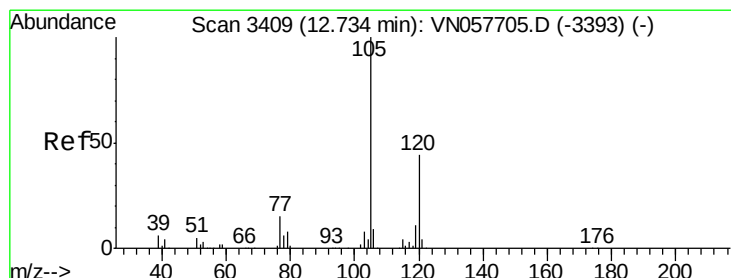
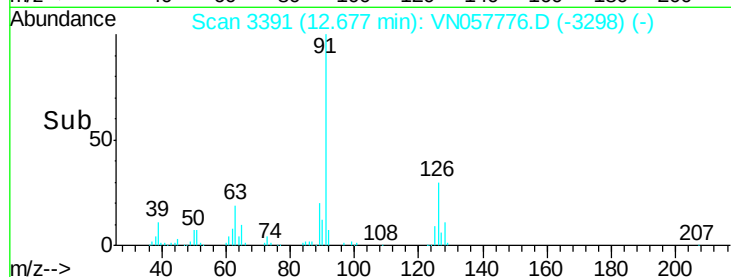
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.669 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057776.D

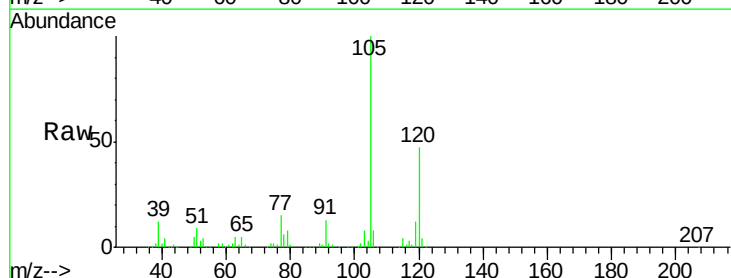
Acq: 8 Sep 2019 00:39

Tgt Ion: 105 Resp: 236282

Ion Ratio Lower Upper

105 100

120 46.3 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): VN057776.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN057776.D (-3410) (-)

150000

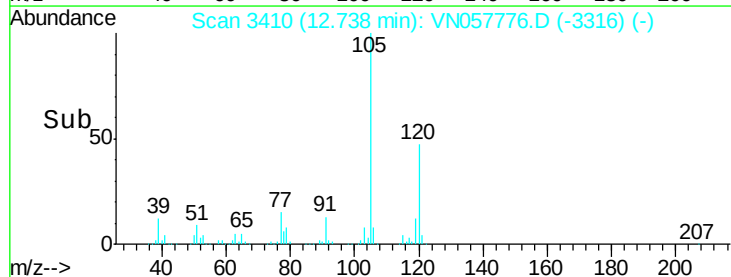
100000

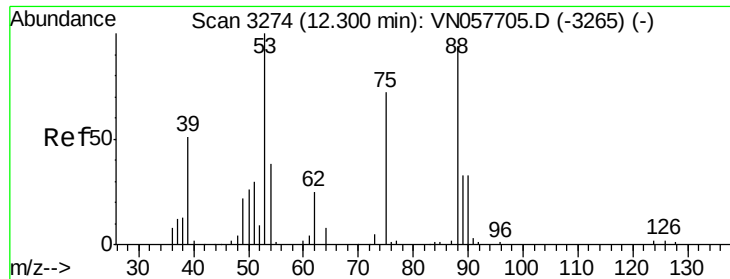
50000

0

12.65 12.70 12.75 12.80

Time-->





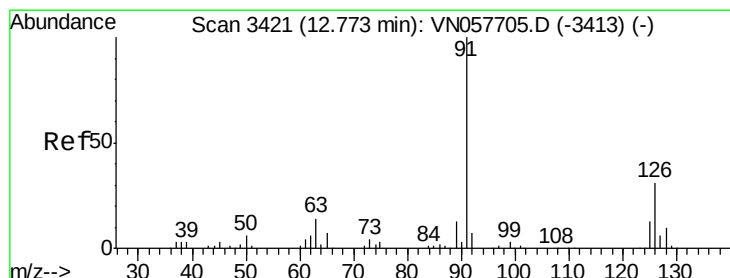
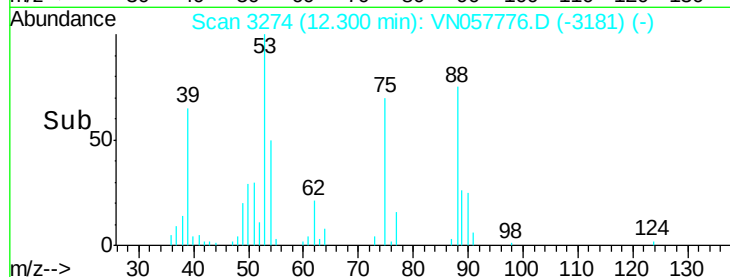
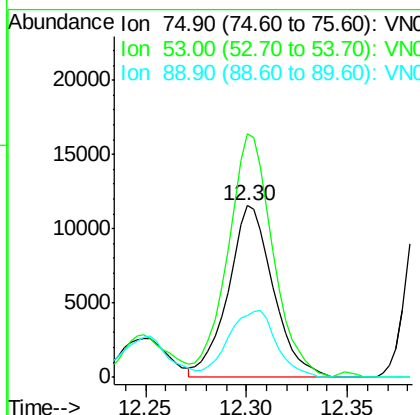
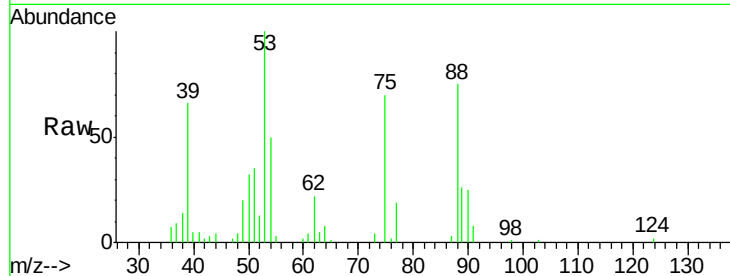
#81
trans-1,4-Dichloro-2-butene
Concen: 15.297 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	141.4	107.0	160.6
89	41.2	36.5	54.7

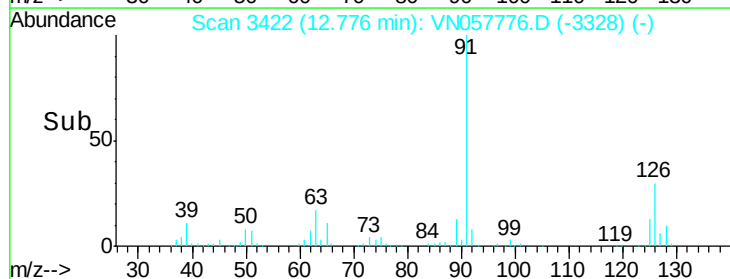
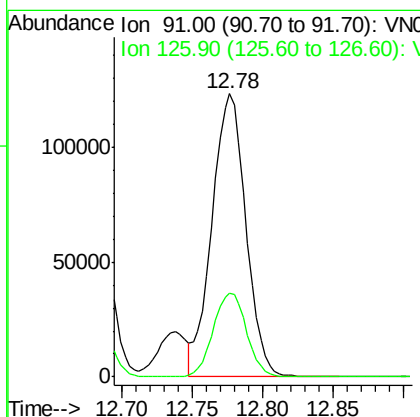
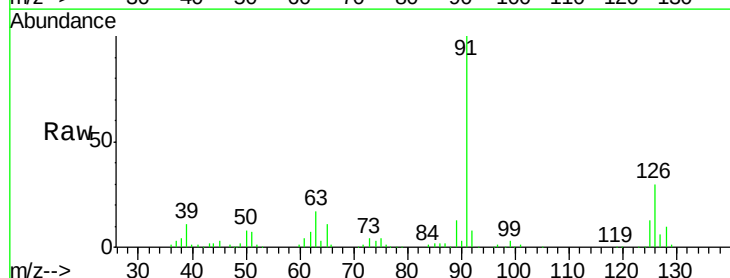
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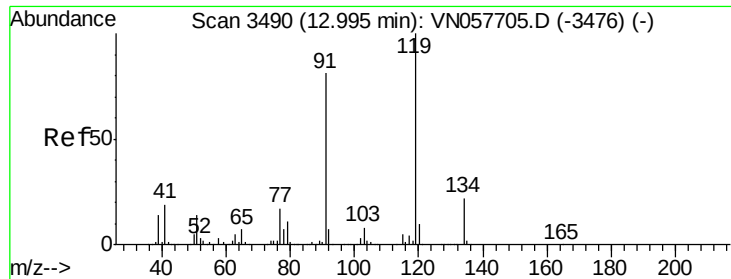
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#82
4-Chlorotoluene
Concen: 19.485 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057776.D
Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.4	43.4





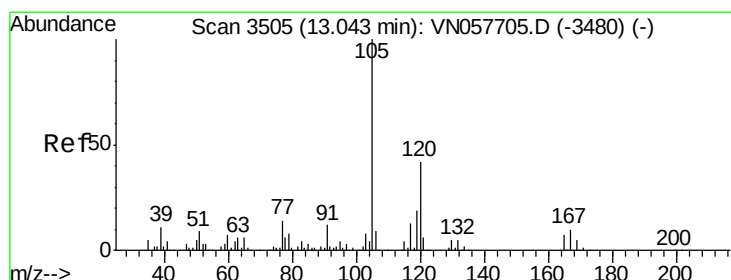
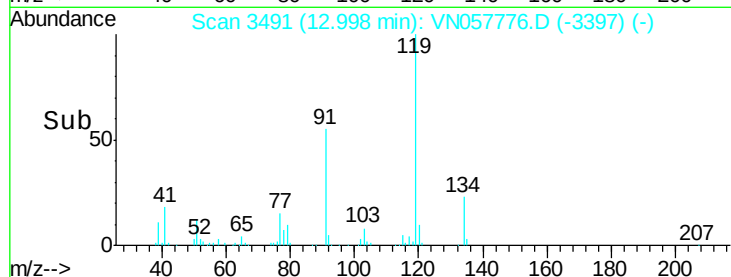
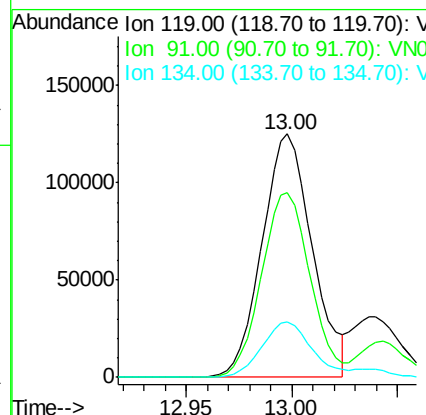
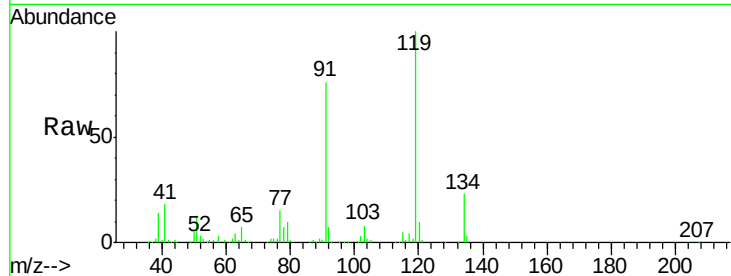
#83
 tert-Butylbenzene
 Concen: 20.434 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206945		
91	73.4		39.6	118.8
134	22.8		11.3	33.8

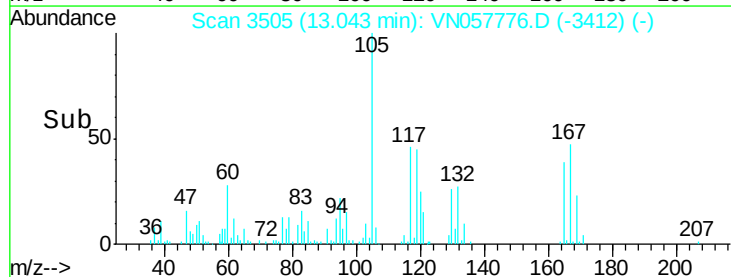
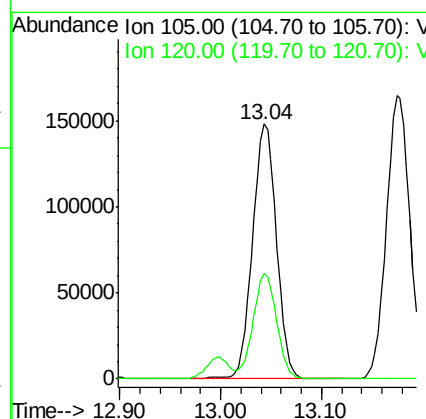
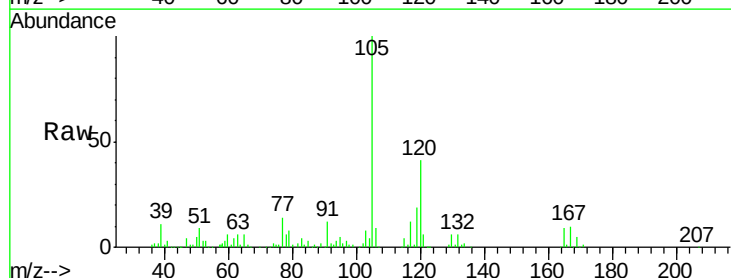
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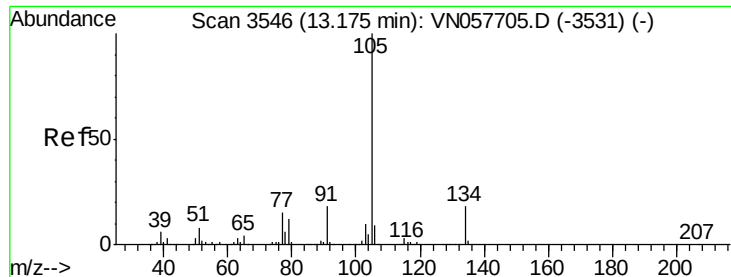
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.301 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241580		
120	40.7		20.8	62.5





#85

sec-Butylbenzene

Concen: 19.117 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD02

Tot Ion:105 Resp: 266726

Ion Ratio Lower Upper

105 100

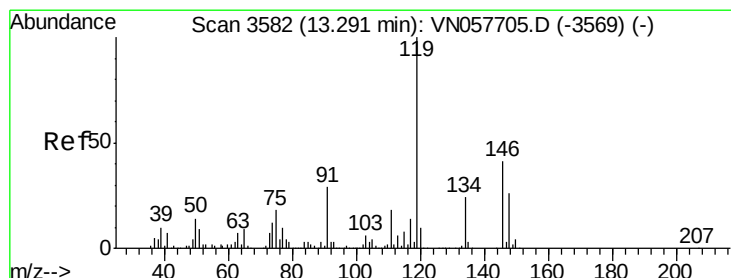
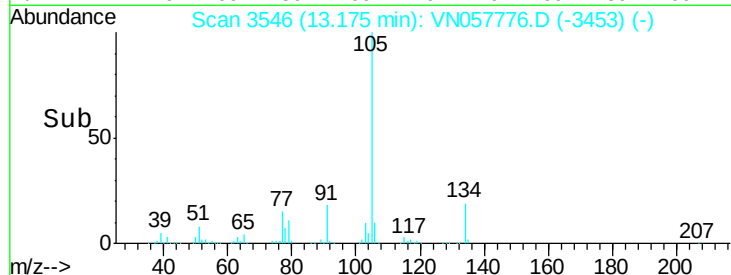
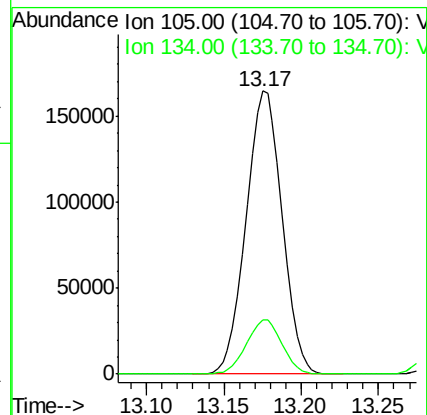
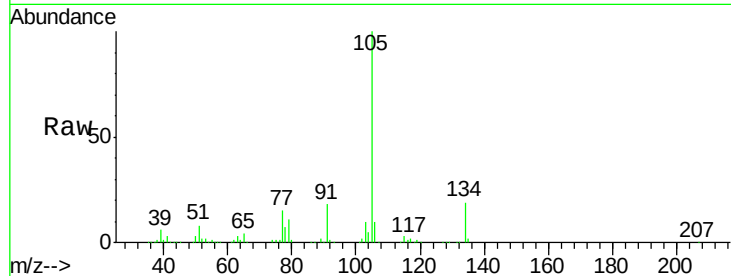
134 19.0 8.8 26.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.314 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

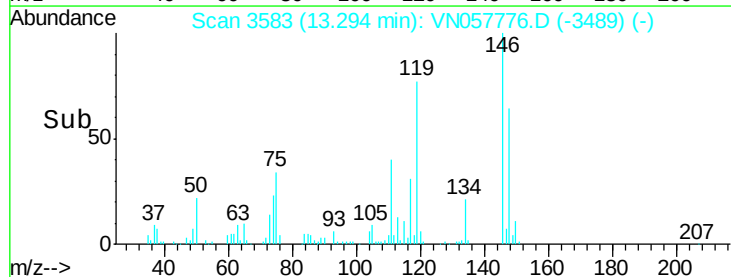
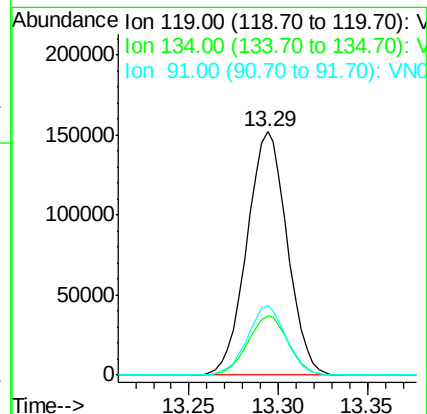
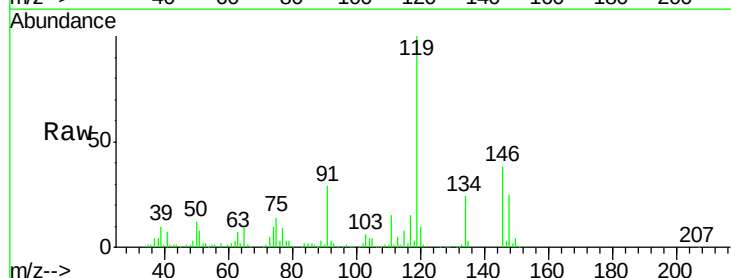
Tgt Ion:119 Resp: 240200

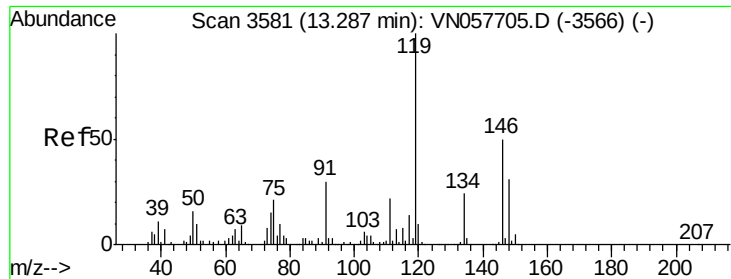
Ion Ratio Lower Upper

119 100

134 24.5 12.4 37.0

91 27.5 14.8 44.3





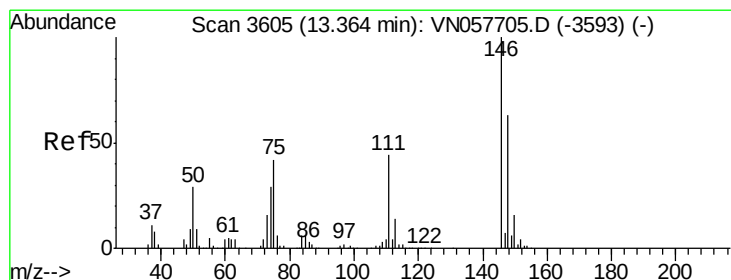
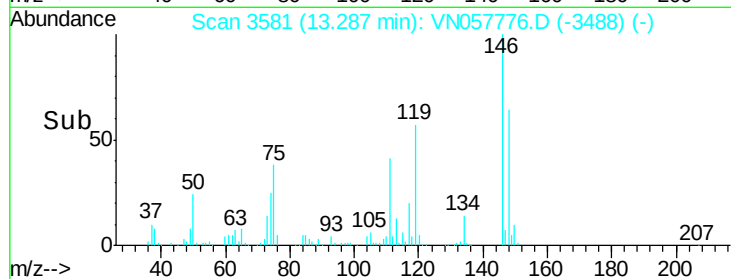
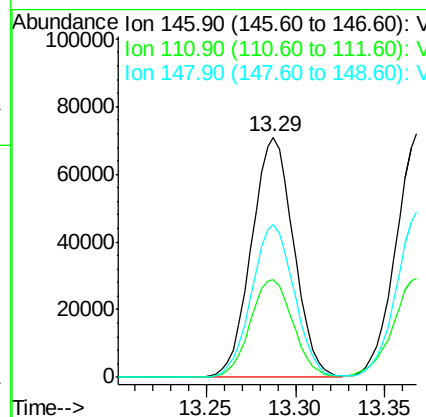
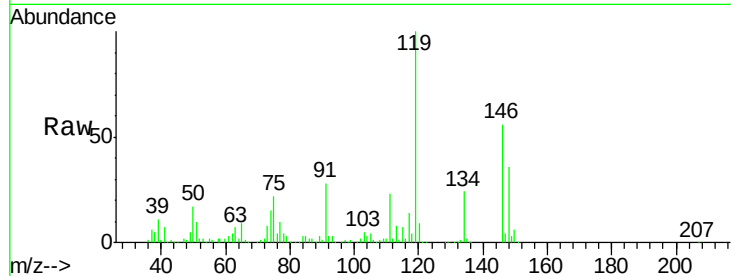
#87
 1,3-Dichlorobenzene
 Concen: 20.387 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	117095		
111	41.2	22.3	66.8	
148	64.3	31.5	94.5	

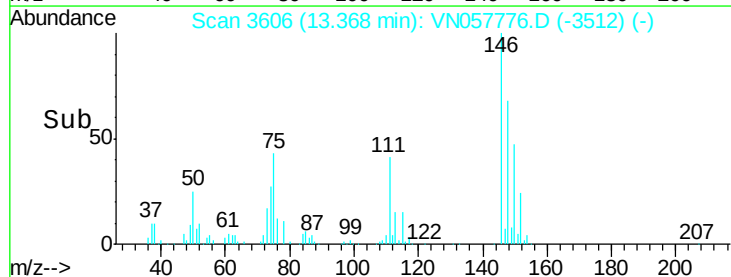
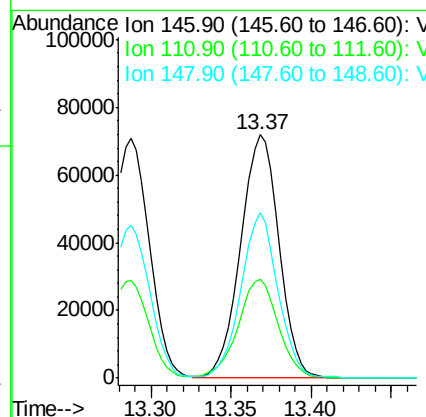
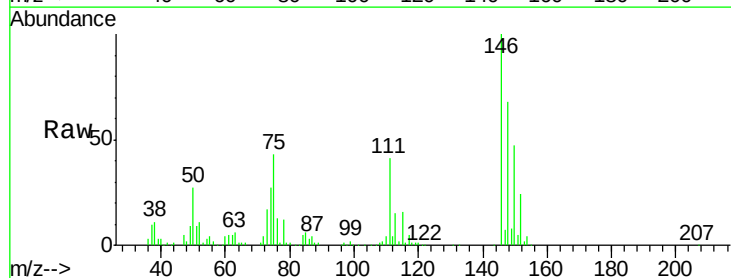
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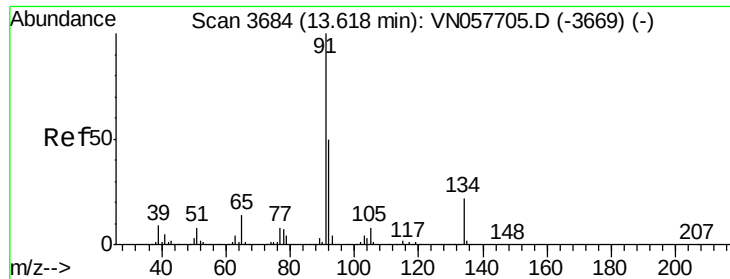
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#88
 1,4-Dichlorobenzene
 Concen: 20.375 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	117064		
111	42.4	22.3	66.9	
148	64.4	31.9	95.7	





#89

n-Butylbenzene

Concen: 18.474 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

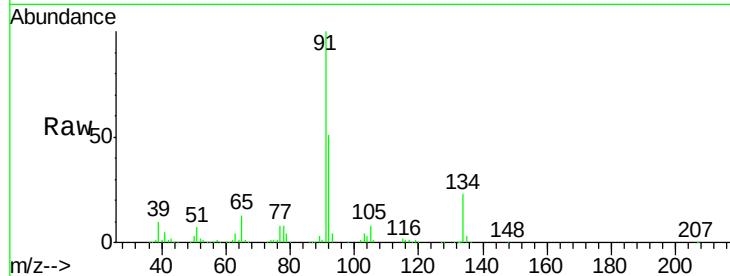
ClientSampleId :

VN0907WBSD02

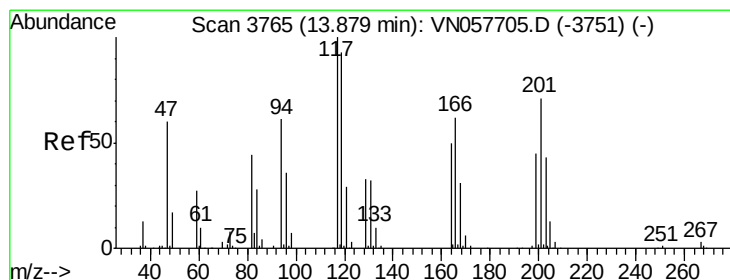
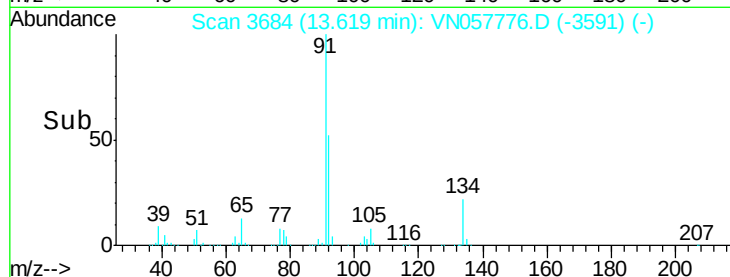
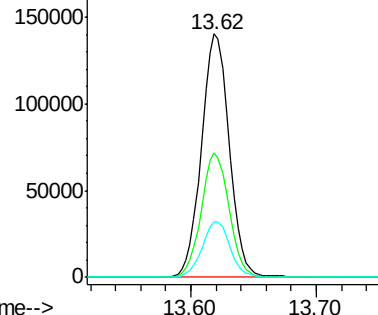
Tot Ion:	91	Resp:	216034
Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.6	76.8
134	22.9	11.2	33.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057776.D (-3672) (-)



#90

Hexachloroethane

Concen: 18.628 ug/l

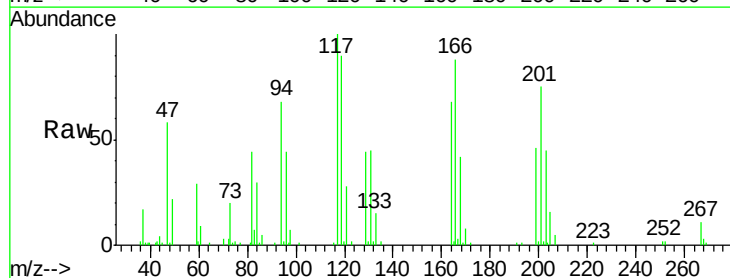
RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

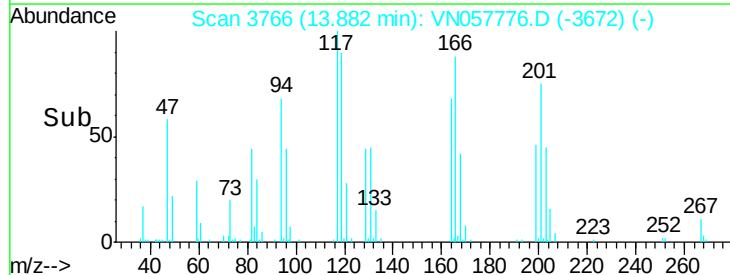
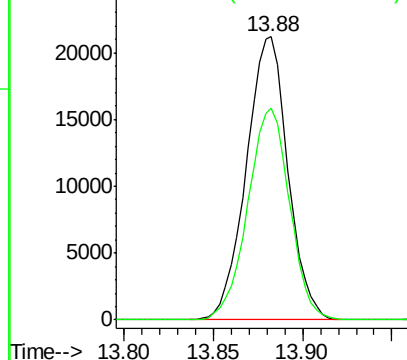
Lab File: VN057776.D

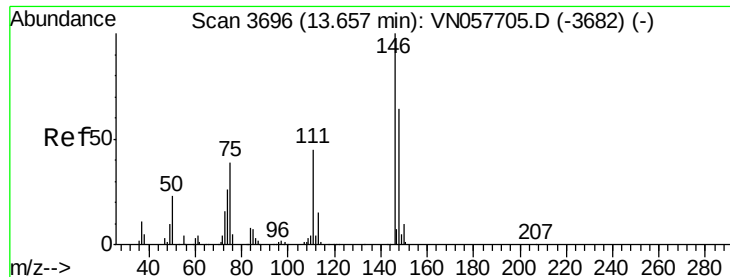
Acq: 8 Sep 2019 00:39

Tgt Ion:	117	Resp:	34514
Ion	Ratio	Lower	Upper
117	100		
201	75.2	36.4	109.2



Abundance Ion 116.80 (116.50 to 117.50): VN057776.D (-3672) (-)





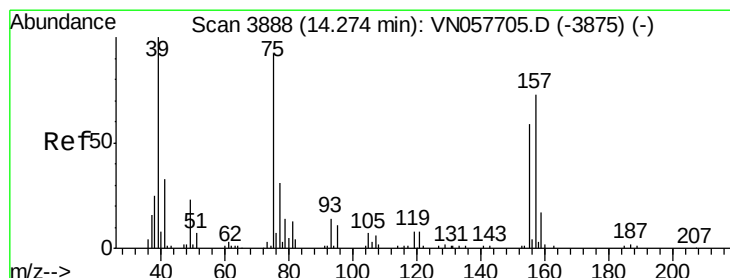
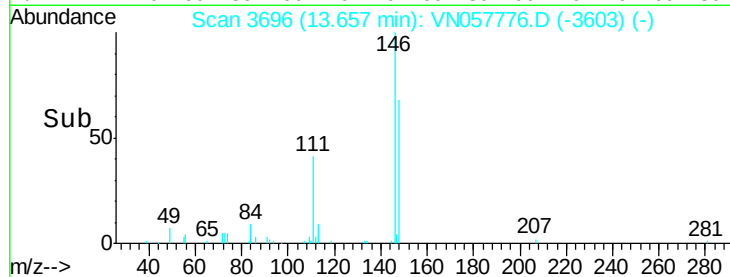
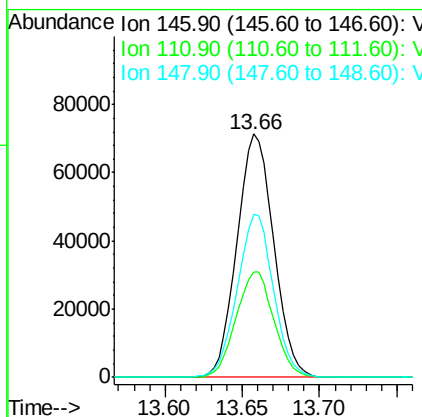
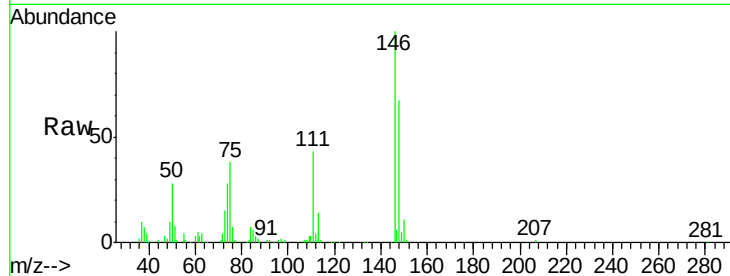
#91
 1,2-Dichlorobenzene
 Concen: 20.901 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.8	68.3
148	65.8	31.6	95.0

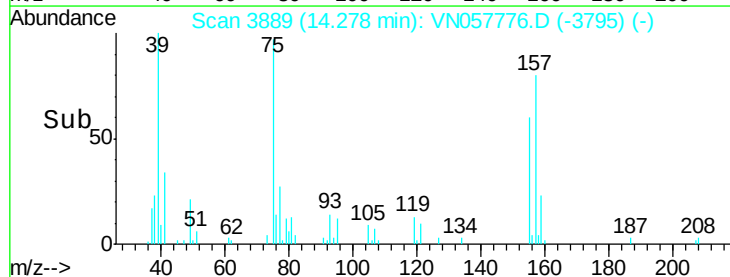
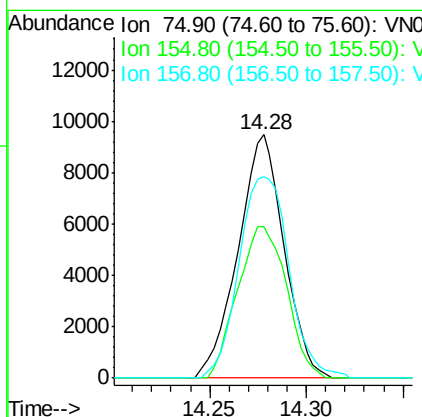
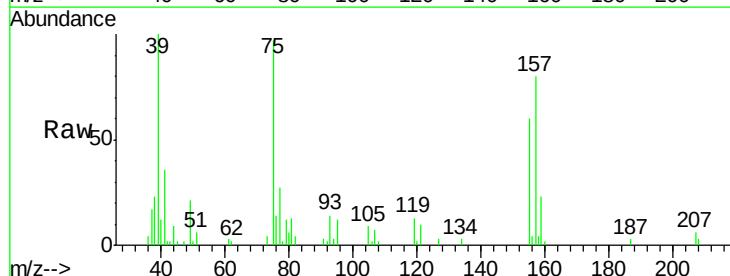
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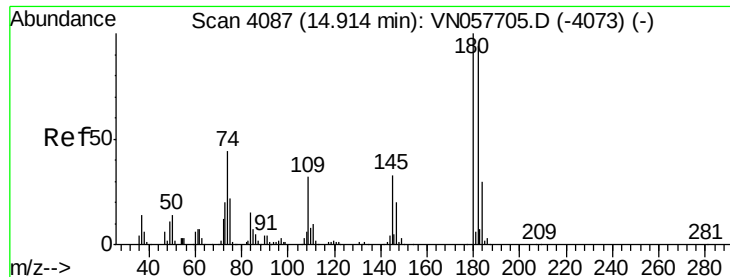
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.769 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.0	30.1	90.5
157	90.2	38.1	114.5





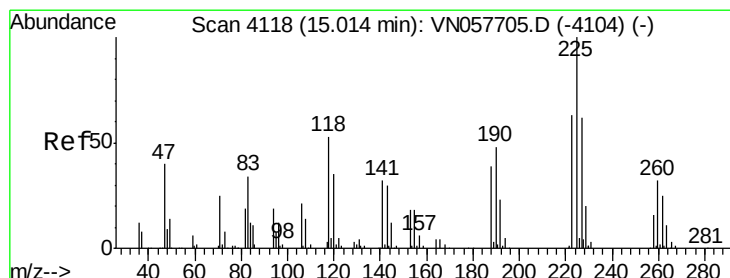
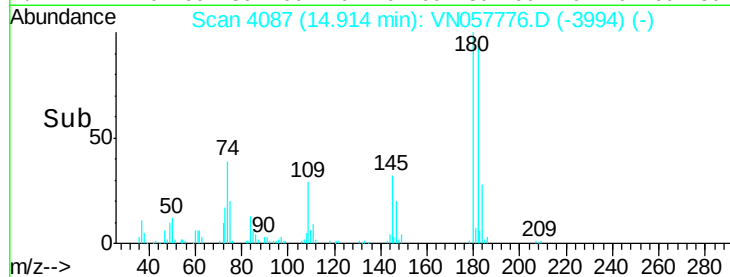
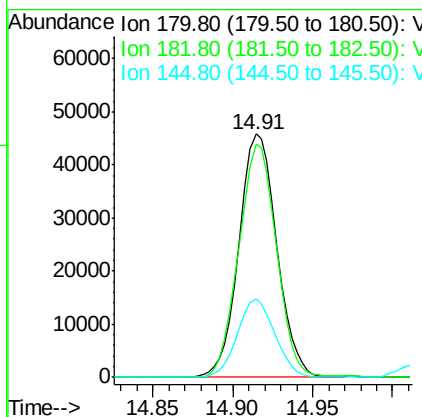
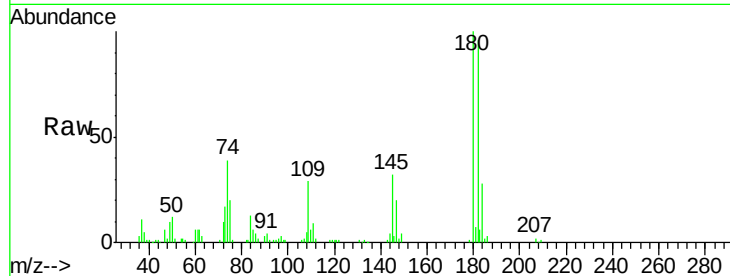
#93
 1,2,4-Trichlorobenzene
 Concen: 21.859 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	73949		
182	94.8		47.6	142.9
145	31.8		16.6	49.7

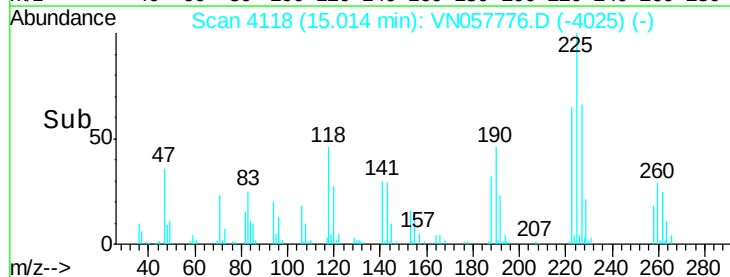
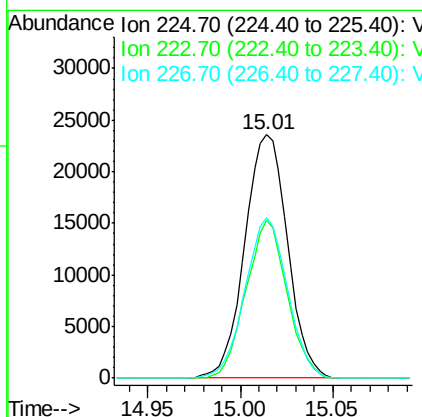
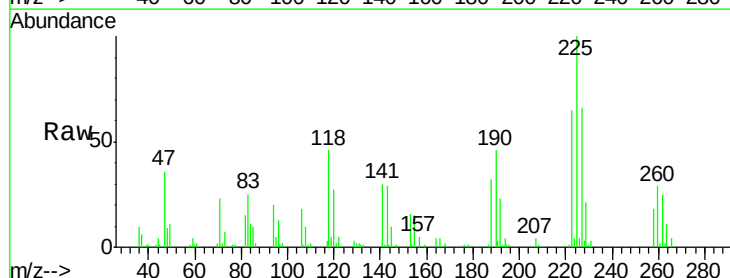
Manual Integrations
 APPROVED

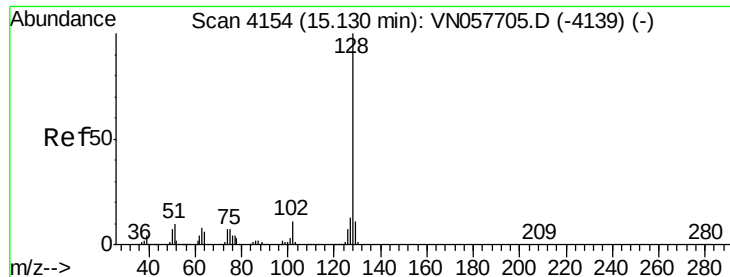
MMDadoda
 9/10/2019 3:02:56 PM



#94
 Hexachlorobutadiene
 Concen: 22.933 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057776.D
 Acq: 8 Sep 2019 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37815		
223	61.8		31.6	95.0
227	65.3		31.7	95.1





#95

Naphthalene

Concen: 20.215 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Instrument :

MSVOA_N

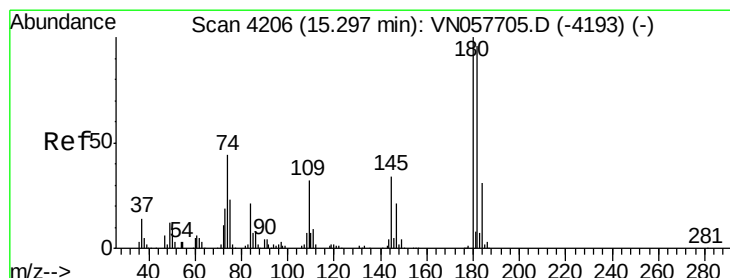
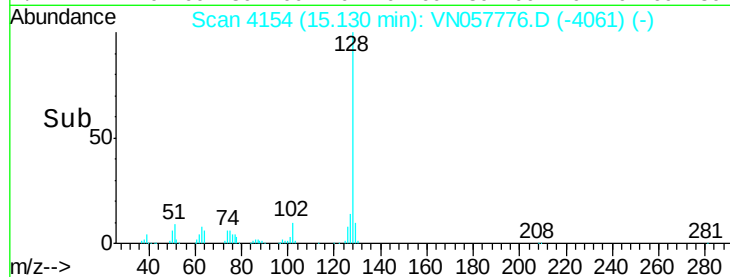
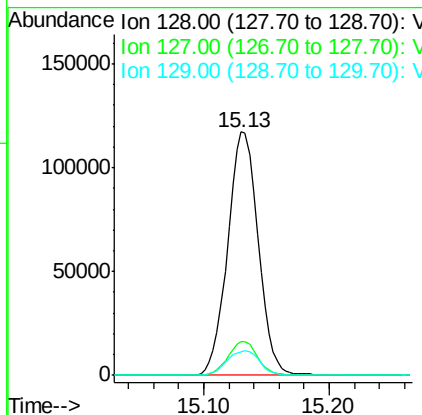
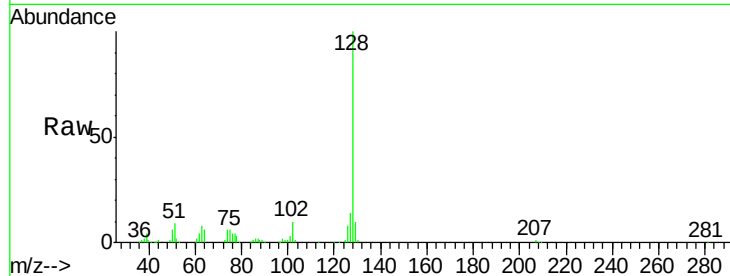
ClientSampleId :

VN0907WBSD02

Tot Ion:	128	Resp:	198397
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:02:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.213 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057776.D

Acq: 8 Sep 2019 00:39

Tgt Ion:	180	Resp:	72030
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.0	141.2
145	33.9	17.5	52.6

