

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057718.D
 Acq On : 6 Sep 2019 17:31
 Operator : JC/SP
 Sample : VN0906WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Manual Integrations
 APPROVED

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 9/9/2019 1:11:07 PM

Quant Time: Sep 06 23:44:26 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	194260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	294471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	163106	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	231897	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.58	113	145706	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.08	98	551043	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.40	95	214140	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	57254	18.559	ug/l	99
3) Chloromethane	2.03	50	60664	14.160	ug/l	96
4) Vinyl Chloride	2.16	62	49803	18.642	ug/l	99
5) Bromomethane	2.54	94	26298	21.433	ug/l	99
6) Chloroethane	2.68	64	28567	18.112	ug/l #	88
7) Trichlorofluoromethane	3.00	101	73946	17.247	ug/l	100
8) Diethyl Ether	3.39	74	33733	19.690	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	49848	18.629	ug/l	99
10) Methyl Iodide	3.93	142	56003	21.124	ug/l	98
11) Tert butyl alcohol	4.76	59	50874	94.749	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	45500	18.899	ug/l	99
13) Acrolein	3.59	56	23947	93.781	ug/l	95
14) Allyl chloride	4.30	41	102580	18.645	ug/l	99
15) Acrylonitrile	4.96	53	137033	99.268	ug/l	100
16) Acetone	3.80	43	137112	94.281	ug/l	97
17) Carbon Disulfide	4.03	76	99506	18.242	ug/l	100
18) Methyl Acetate	4.31	43	75198	19.014	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	192203	19.016	ug/l	98
20) Methylene Chloride	4.53	84	59835	19.028	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	48923	19.312	ug/l	88
22) Diisopropyl ether	5.93	45	219668	18.875	ug/l	99
23) Vinyl Acetate	5.88	43	925744	98.274	ug/l	100
24) 1,1-Dichloroethane	5.83	63	113509	19.022	ug/l	98
25) 2-Butanone	6.82	43	204965	98.415	ug/l	99
26) 2,2-Dichloropropane	6.81	77	92521	18.585	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	62377	19.616	ug/l	97
28) Bromochloromethane	7.17	49	57029	18.265	ug/l	96
29) Tetrahydrofuran	7.20	42	130472	97.143	ug/l	98
30) Chloroform	7.36	83	118304	19.026	ug/l	97
31) Cyclohexane	7.64	56	92975	17.529	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	96666	18.664	ug/l	99
36) 1,1-Dichloropropene	7.78	75	78522	18.361	ug/l	98
37) Ethyl Acetate	6.91	43	86281	20.322	ug/l	99
38) Carbon Tetrachloride	7.76	117	77256	18.866	ug/l	99

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 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)
39) Methylcyclohexane	9.07	83	85179	18.830	ug/l	98
40) Benzene	8.03	78	230820	19.082	ug/l	96
41) Methacrylonitrile	7.16	41	41620	20.054	ug/l	97
42) 1,2-Dichloroethane	8.11	62	105154	18.546	ug/l	99
43) Isopropyl Acetate	8.15	43	152187	18.675	ug/l	96
44) Trichloroethene	8.83	130	52830	19.432	ug/l	95
45) 1,2-Dichloropropane	9.11	63	66898	19.774	ug/l	94
46) Dibromomethane	9.20	93	43093	19.858	ug/l	97
47) Bromodichloromethane	9.40	83	86845	18.830	ug/l	99
48) Methyl methacrylate	9.19	41	75973	18.127	ug/l	98
49) 1,4-Dioxane	9.19	88	19832	406.682	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	454677	100.463	ug/l	100
52) Toluene	10.15	92	141525	19.304	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	85792	18.542	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	94690	18.942	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	58049	19.675	ug/l	93
56) Ethyl methacrylate	10.43	69	89885	19.087	ug/l	98
57) 1,3-Dichloropropane	10.70	76	103103	19.454	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	243212	101.796	ug/l	99
59) 2-Hexanone	10.75	43	324194	101.583	ug/l	99
60) Dibromochloromethane	10.90	129	53803	18.138	ug/l	98
61) 1,2-Dibromoethane	11.00	107	56445	19.928	ug/l	99
64) Tetrachloroethene	10.63	164	43757	19.060	ug/l	96
65) Chlorobenzene	11.43	112	148484	19.330	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54561	20.413	ug/l	97
67) Ethyl Benzene	11.51	91	288852	19.490	ug/l	99
68) m/p-Xylenes	11.62	106	201513	39.476	ug/l	99
69) o-Xylene	11.95	106	101187	20.019	ug/l	98
70) Styrene	11.96	104	168876	19.309	ug/l	100
71) Bromoform	12.13	173	32289	18.360	ug/l #	95
73) Isopropylbenzene	12.25	105	279959	19.414	ug/l	99
74) N-amyl acetate	12.07	43	135401	18.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	85630	19.803	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72913m	19.467	ug/l	
77) Bromobenzene	12.53	156	63803	20.366	ug/l	94
78) n-propylbenzene	12.59	91	331096	19.326	ug/l	99
79) 2-Chlorotoluene	12.68	91	203772	19.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	238727	19.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19101	15.860	ug/l	88
82) 4-Chlorotoluene	12.78	91	204711	19.058	ug/l	99
83) tert-Butylbenzene	13.00	119	196003	18.980	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	237015	19.533	ug/l	99
85) sec-Butylbenzene	13.17	105	271995	19.119	ug/l	100
86) p-Isopropyltoluene	13.29	119	239516	19.865	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	112759	19.254	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	112346	19.176	ug/l	97
89) n-Butylbenzene	13.62	91	226714	19.013	ug/l	99
90) Hexachloroethane	13.88	117	34711	18.373	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	113266	19.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15757	18.497	ug/l	90

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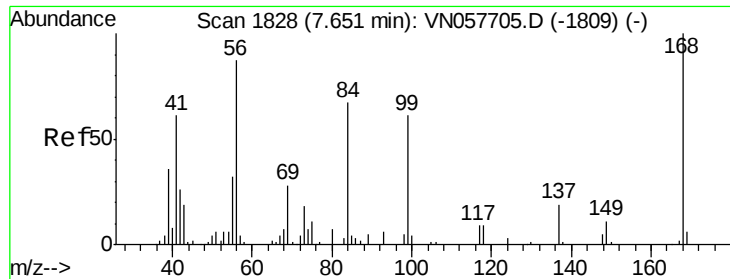
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69641	20.189	ug/l	97
94) Hexachlorobutadiene	15.01	225	33453	19.897	ug/l	98
95) Naphthalene	15.13	128	196037	19.589	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	67555	20.431	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion:168 Resp: 194260

Ion Ratio Lower Upper

168 100

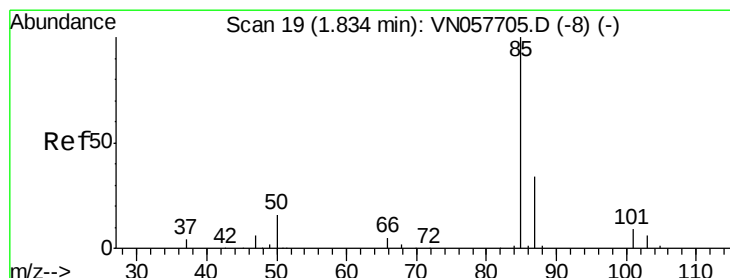
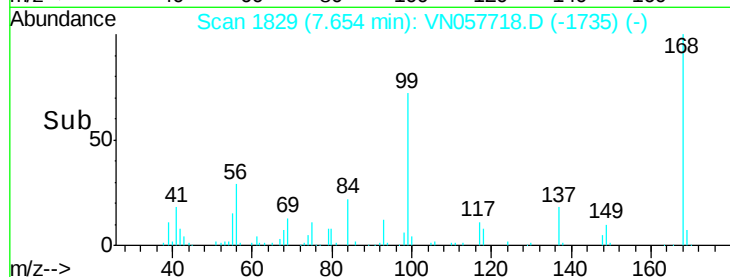
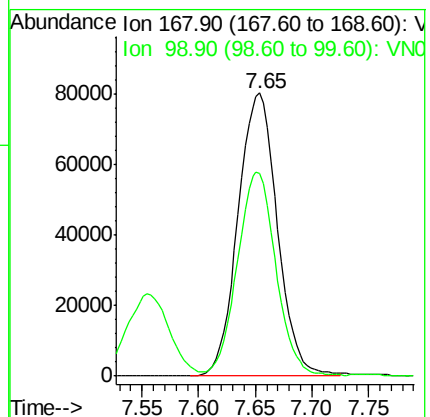
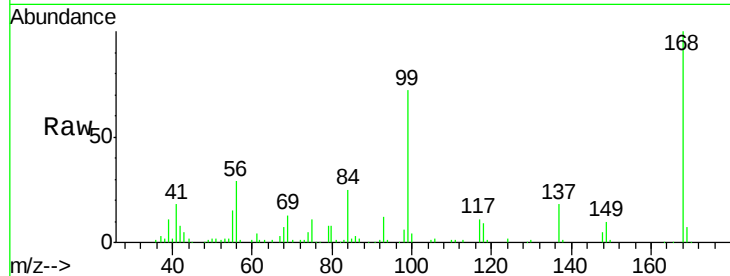
99 71.1 57.4 86.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.559 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057718.D

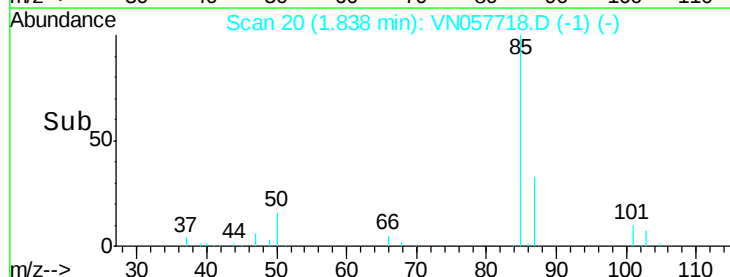
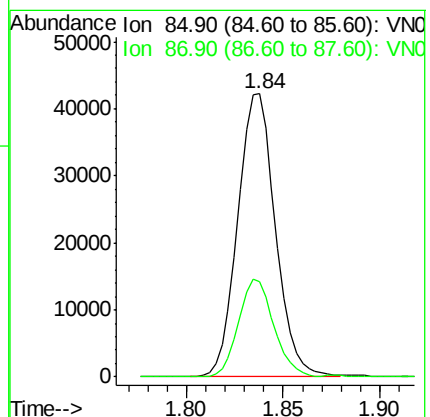
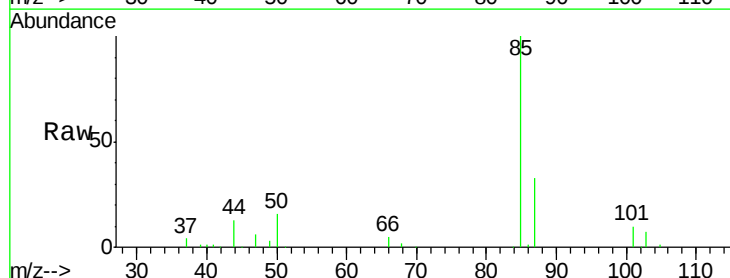
Acq: 6 Sep 2019 17:31

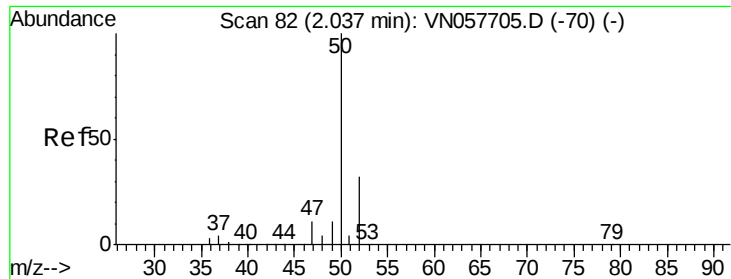
Tgt Ion: 85 Resp: 57254

Ion Ratio Lower Upper

85 100

87 33.4 17.0 51.0





#3

Chloromethane

Concen: 14.160 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 50 Resp: 60664

Ion Ratio Lower Upper

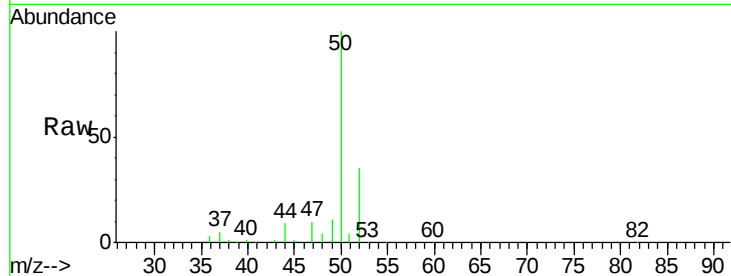
50 100

52 34.6 26.0 39.0

Manual Integrations
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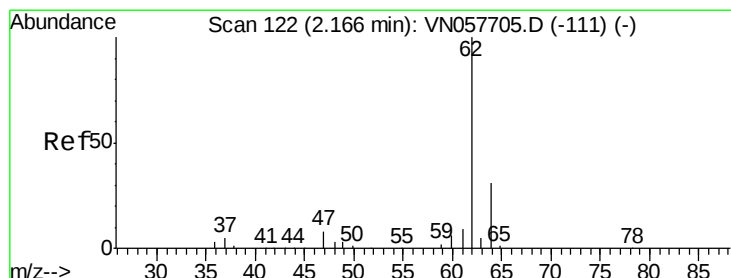
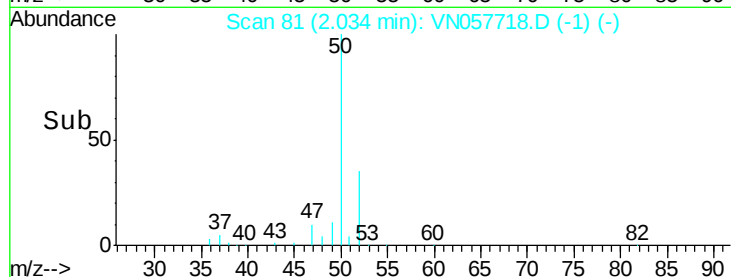
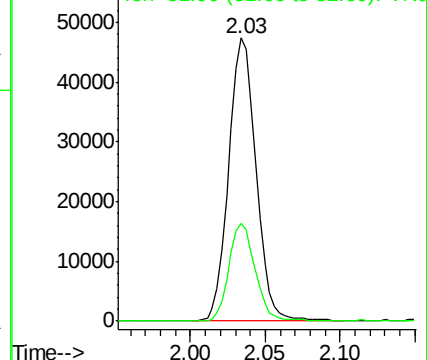
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.642 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057718.D

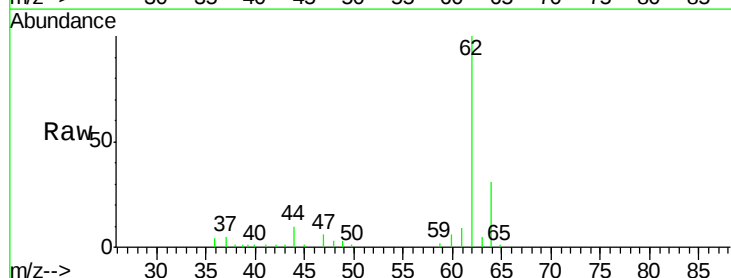
Acq: 6 Sep 2019 17:31

Tgt Ion: 62 Resp: 49803

Ion Ratio Lower Upper

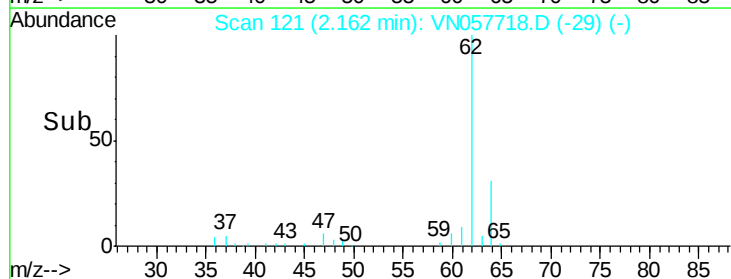
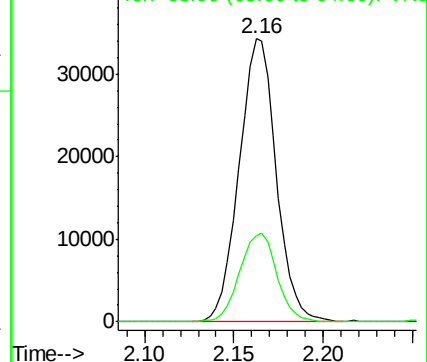
62 100

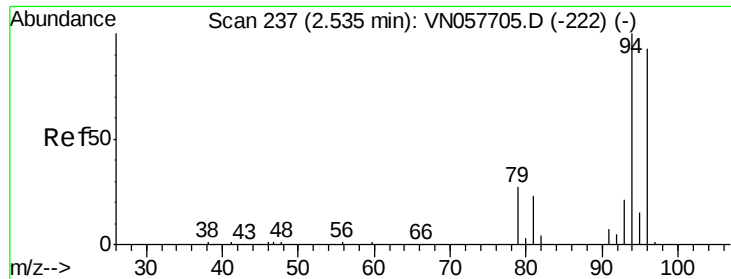
64 30.5 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.433 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 94 Resp: 26298

Ion Ratio Lower Upper

94 100

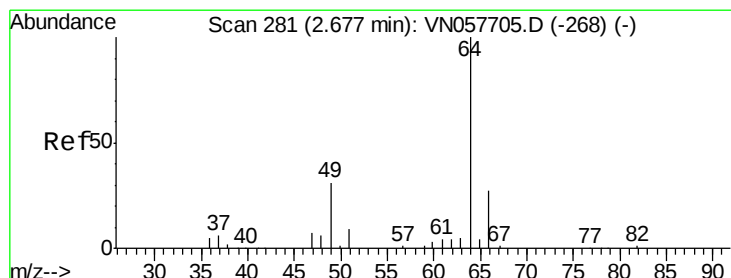
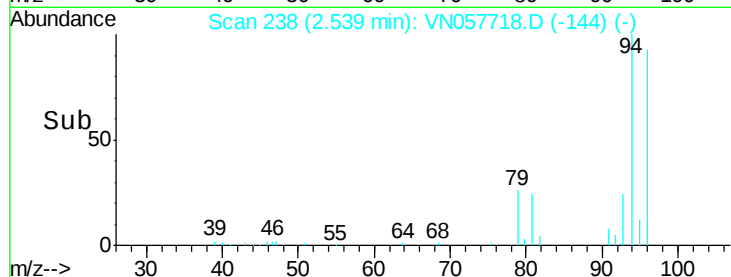
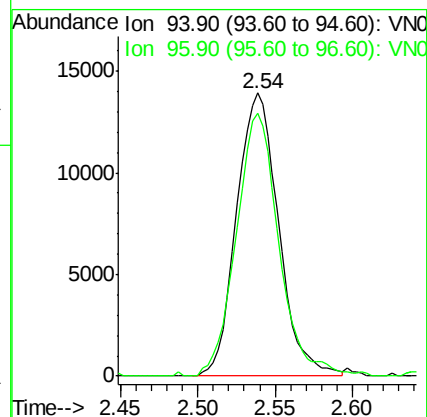
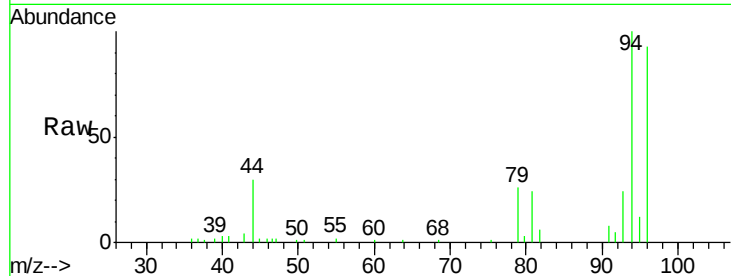
96 92.8 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 18.112 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN057718.D

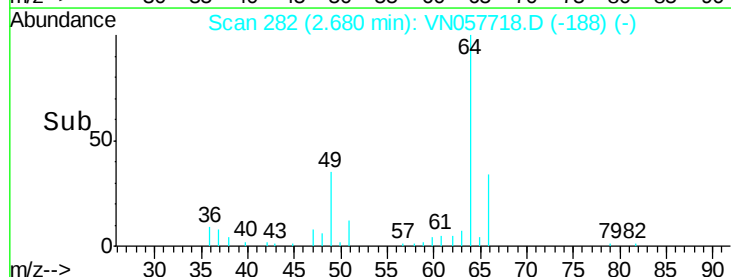
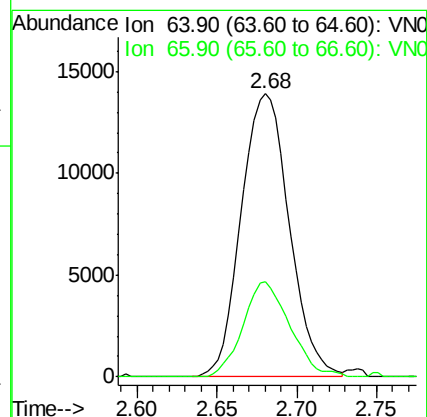
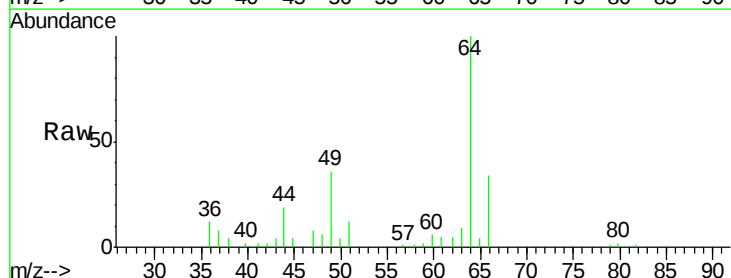
Acq: 6 Sep 2019 17:31

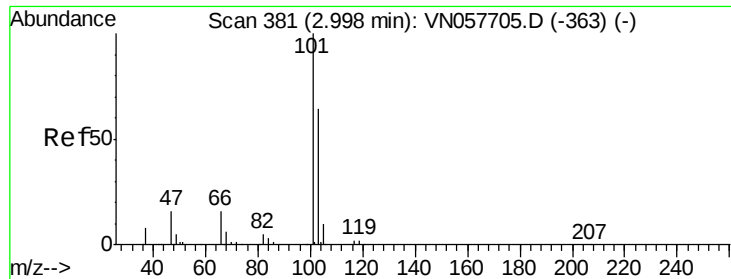
Tgt Ion: 64 Resp: 28567

Ion Ratio Lower Upper

64 100

66 33.7 22.0 33.0#





#7

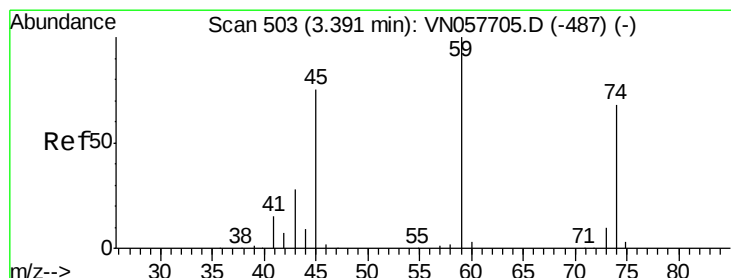
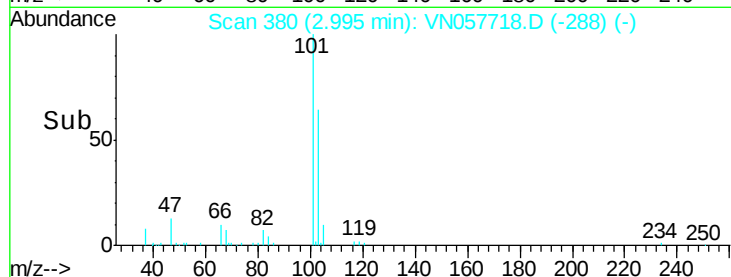
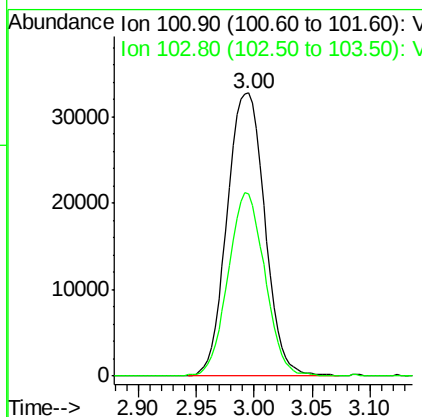
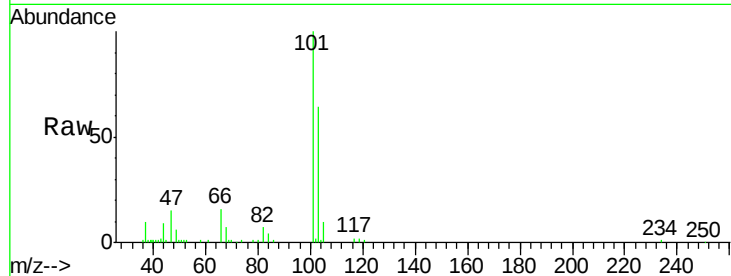
Trichlorofluoromethane
 Concen: 17.247 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
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 ClientSampleId :
 VN0906WBSD01

Tot Ion:101 Resp: 73946
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.0

Manual Integrations
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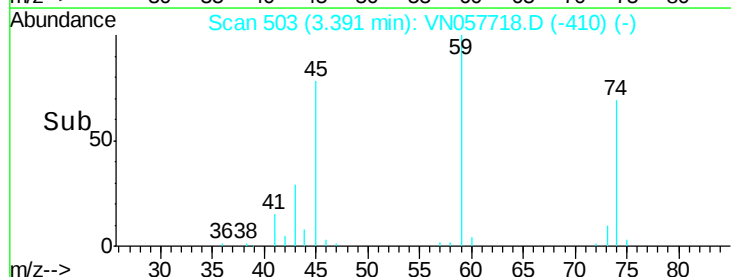
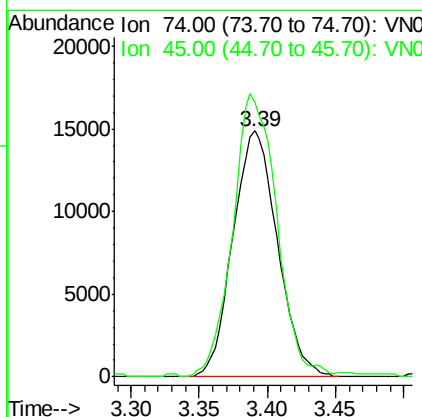
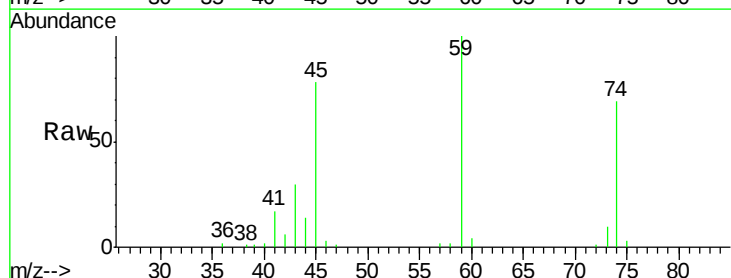
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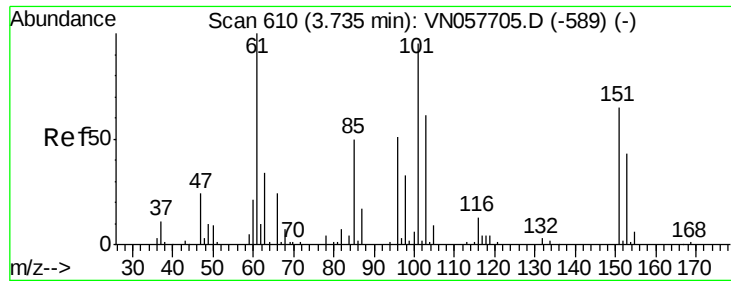


#8

Diethyl Ether
 Concen: 19.690 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion: 74 Resp: 33733
 Ion Ratio Lower Upper
 74 100
 45 113.8 55.4 166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.629 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

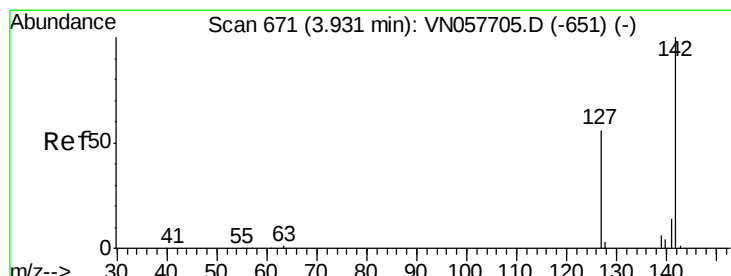
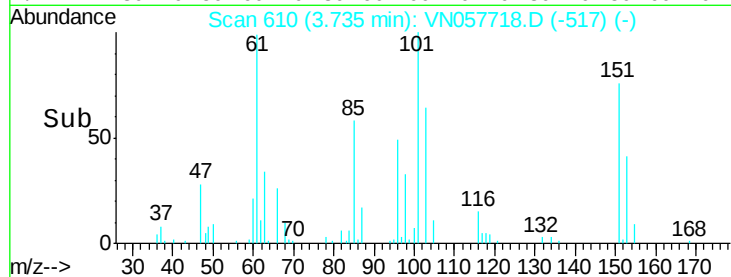
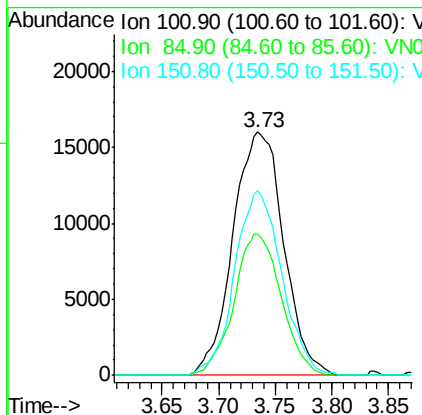
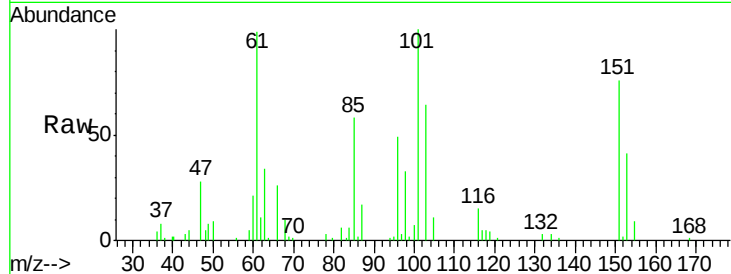
ClientSampleId :

VN0906WBSD01

Tot Ion:	101	Resp:	49848
Ion Ratio	Lower	Upper	
101	100		
85	54.2	42.8	64.2
151	70.7	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 21.124 ug/l

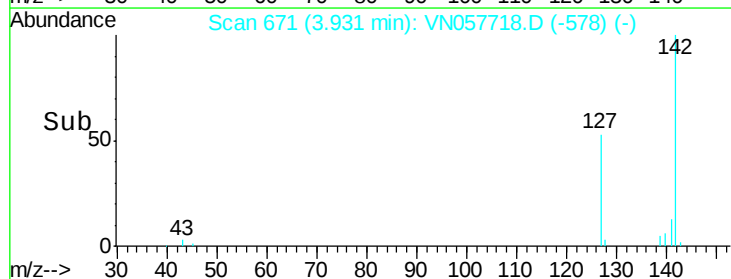
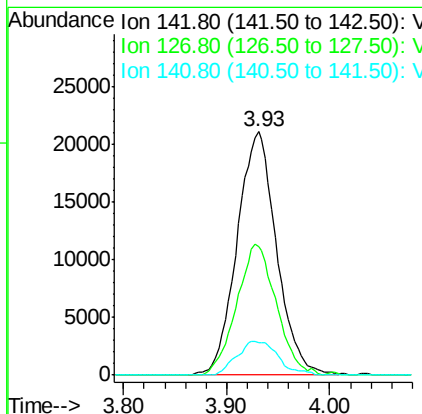
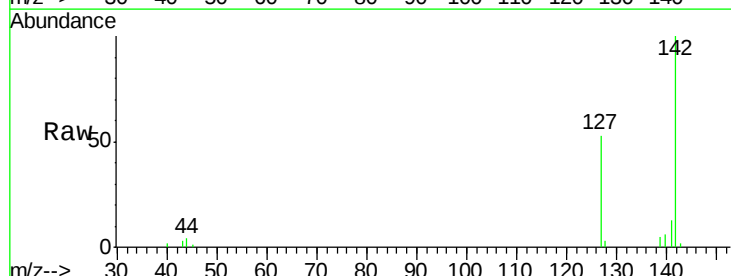
RT: 3.93 min Scan# 671

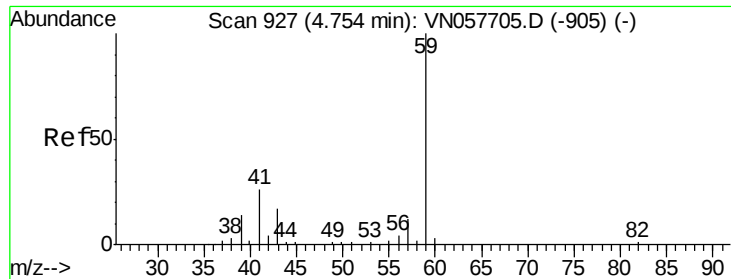
Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion:	142	Resp:	56003
Ion Ratio	Lower	Upper	
142	100		
127	54.0	42.1	63.1
141	14.6	11.0	16.4





#11

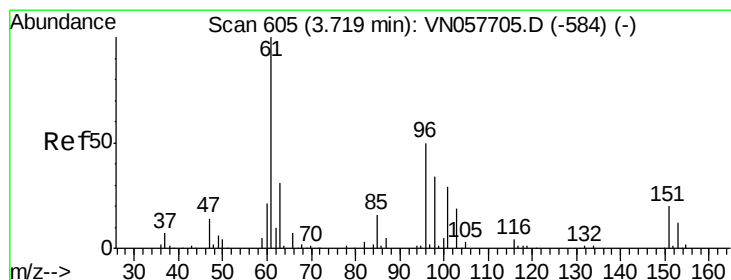
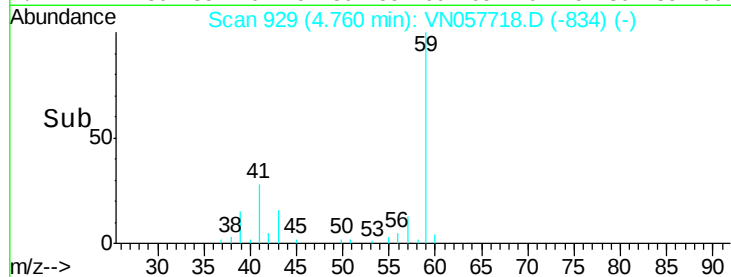
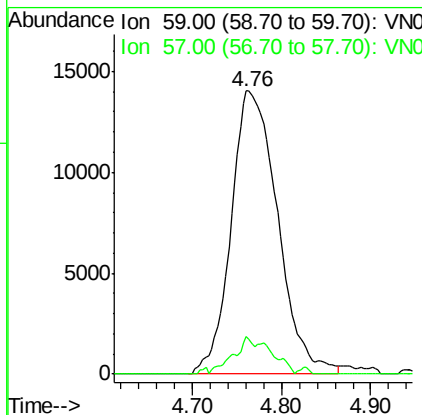
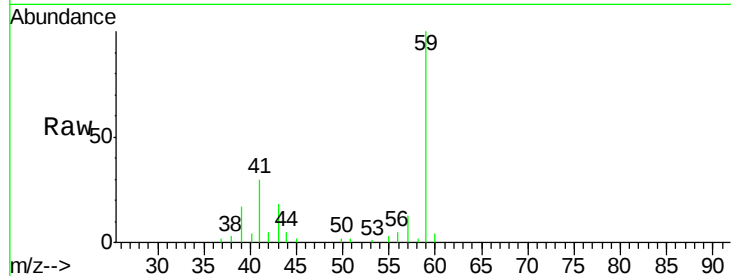
Tert butyl alcohol
Concen: 94.749 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	5.8	8.9	13.3#

Manual Integrations
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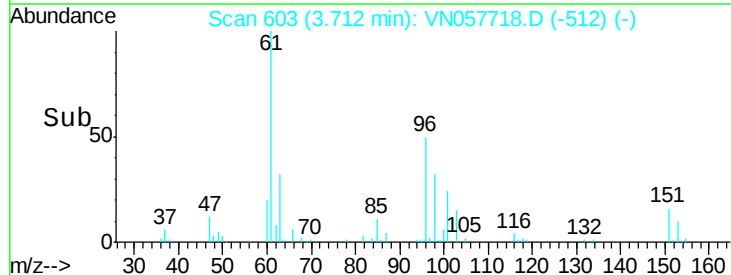
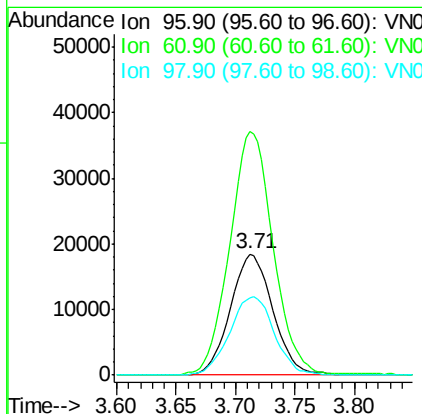
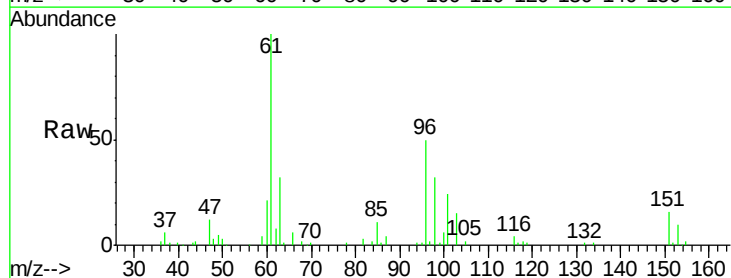
MMDadoda
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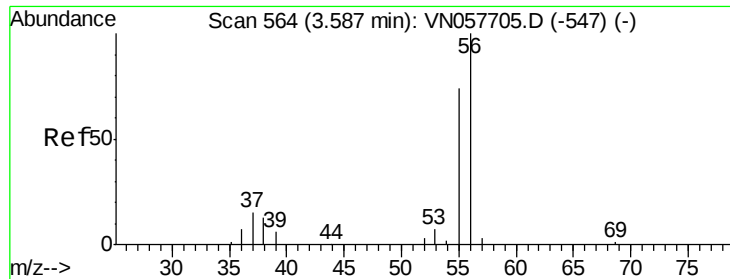


#12

1,1-Dichloroethene
Concen: 18.899 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.01 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	199.3	158.7	238.1
98	98	63.9	53.8	80.8





#13

Acrolein

Concen: 93.781 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 56 Resp: 23947

Ion Ratio Lower Upper

56 100

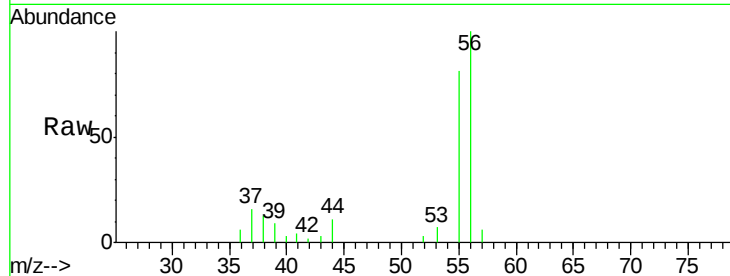
55 73.0 55.4 83.0

Manual Integrations

APPROVED

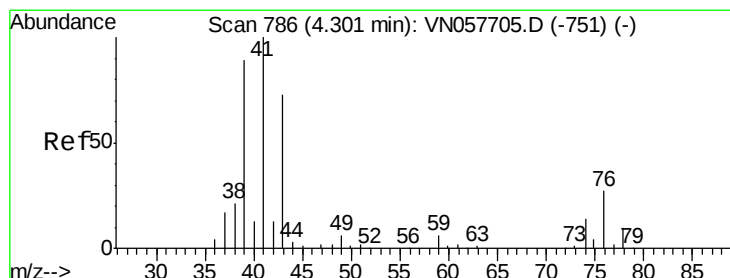
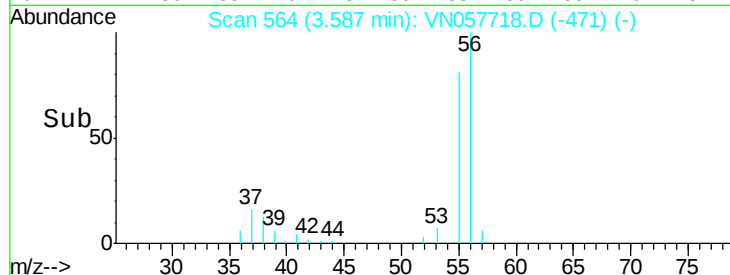
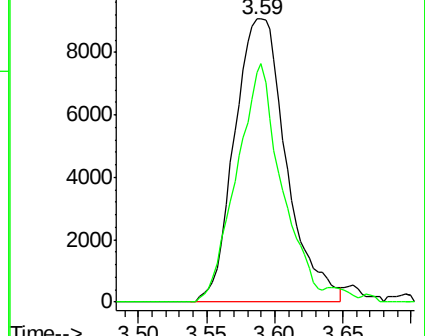
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.645 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

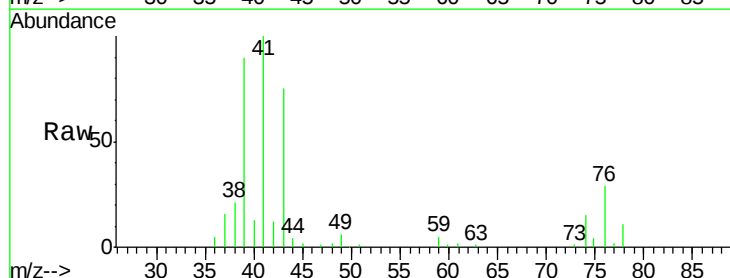
Tgt Ion: 41 Resp: 102580

Ion Ratio Lower Upper

41 100

39 82.9 67.5 101.3

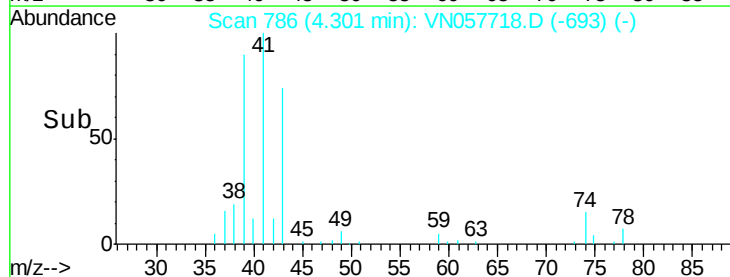
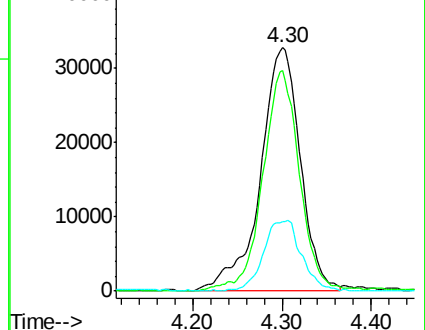
76 27.1 21.4 32.2

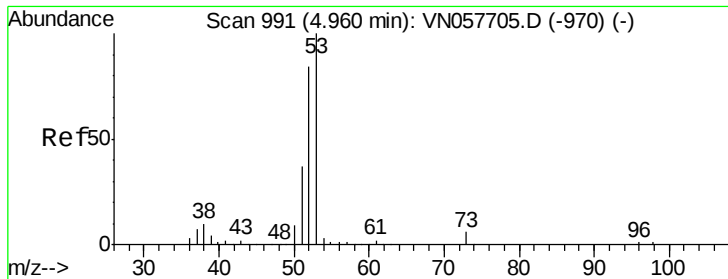


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.268 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

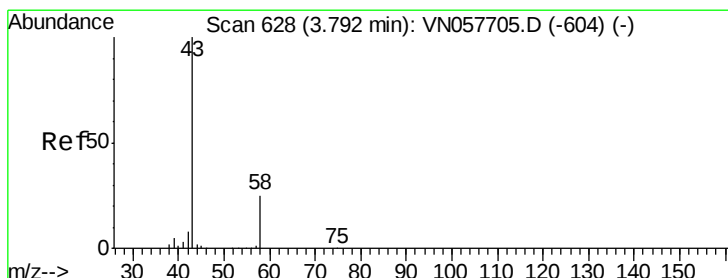
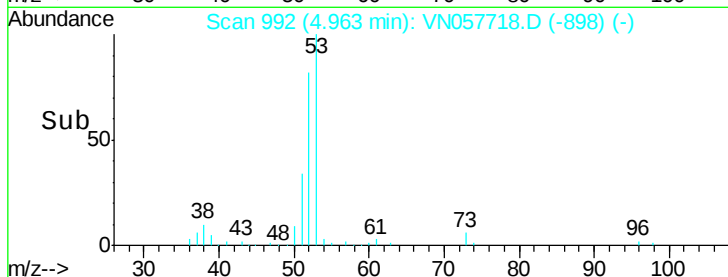
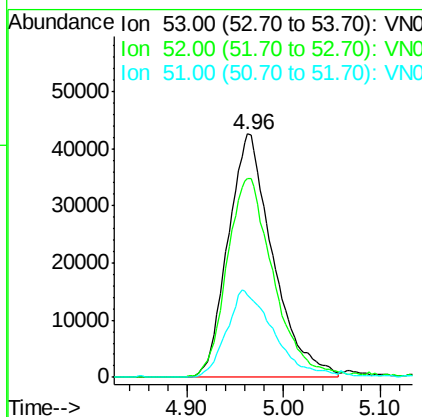
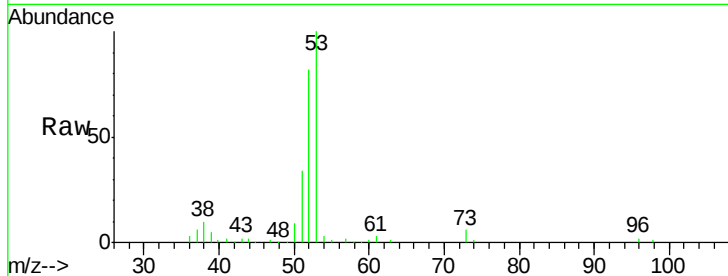
ClientSampleId :

VN0906WBSD01

Tot Ion:	53	Resp:	137033
Ion	Ratio	Lower	Upper
53	100		
52	85.0	68.1	102.1
51	37.7	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 94.281 ug/l

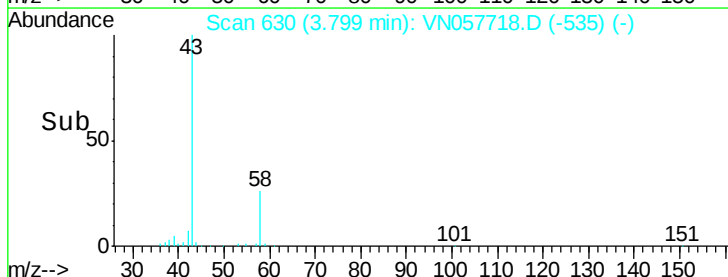
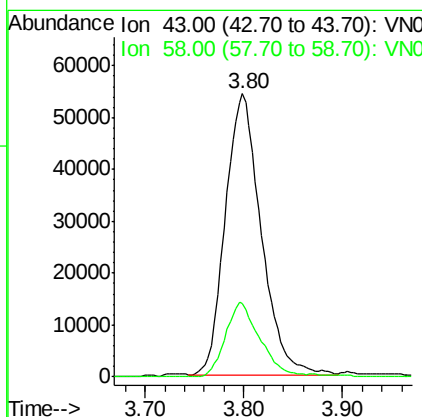
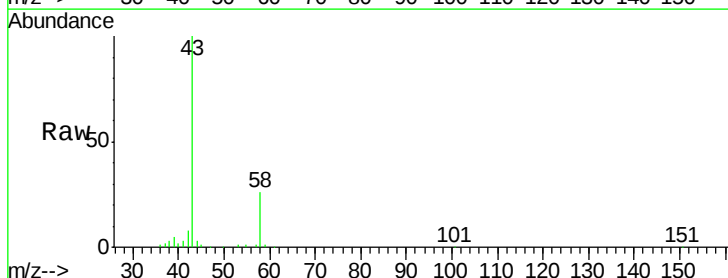
RT: 3.80 min Scan# 630

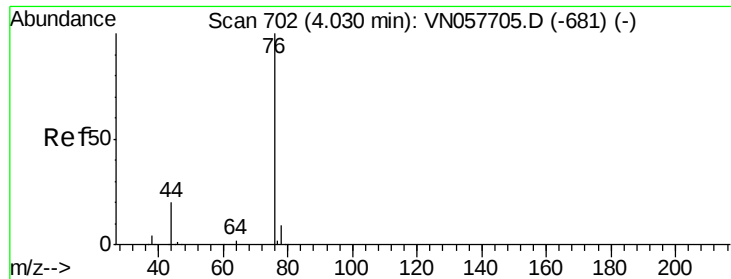
Delta R.T. 0.01 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion:	43	Resp:	137112
Ion	Ratio	Lower	Upper
43	100		
58	26.3	19.8	29.8





#17

Carbon Disulfide

Concen: 18.242 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 76 Resp: 99506

Ion Ratio Lower Upper

76 100

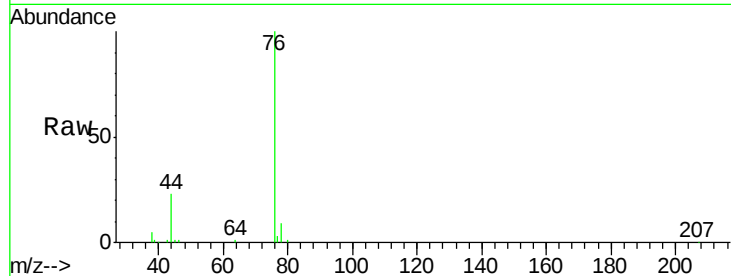
78 8.7 7.0 10.6

Manual Integrations

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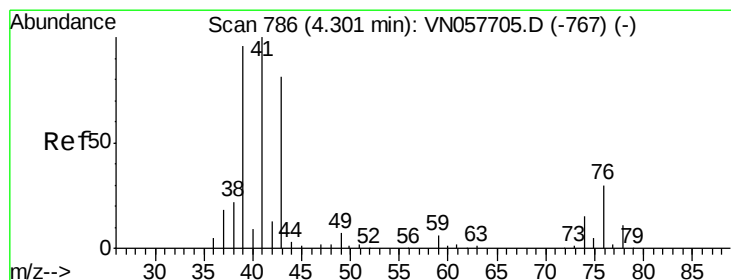
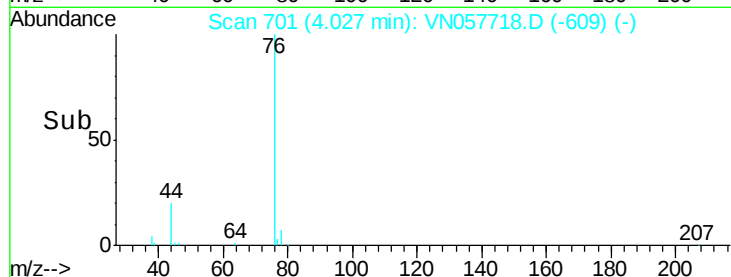
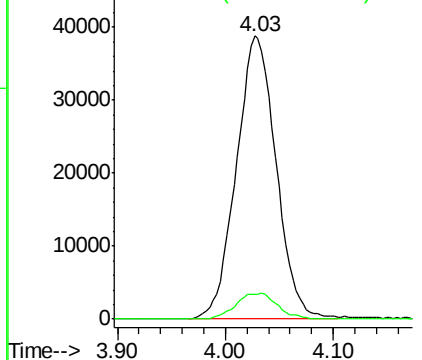
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 19.014 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN057718.D

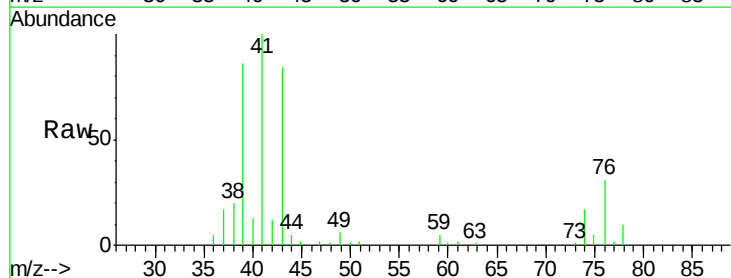
Acq: 6 Sep 2019 17:31

Tgt Ion: 43 Resp: 75198

Ion Ratio Lower Upper

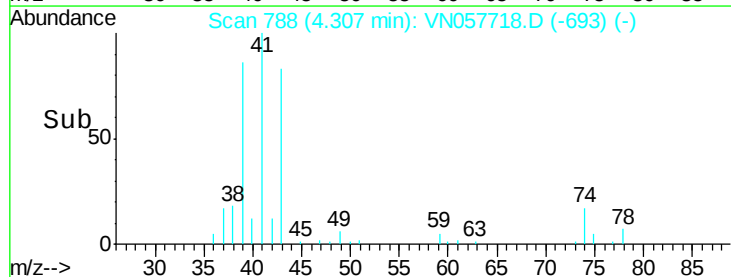
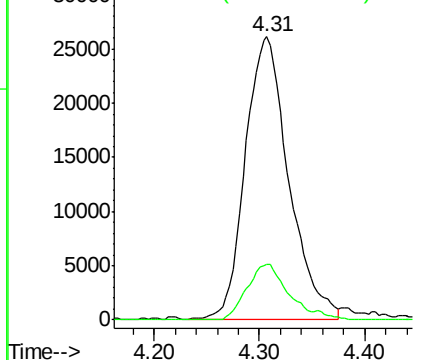
43 100

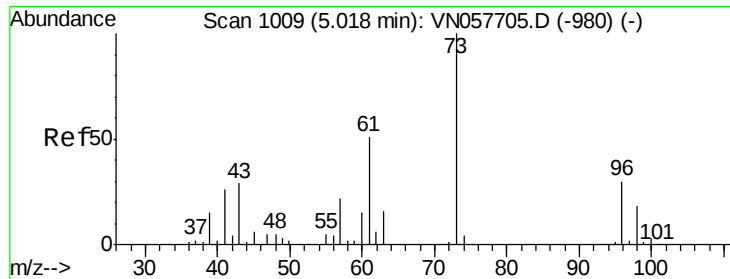
74 19.2 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





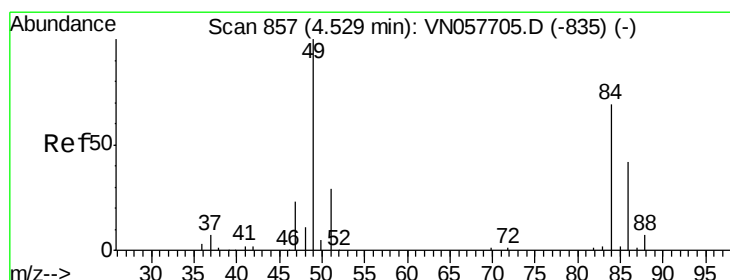
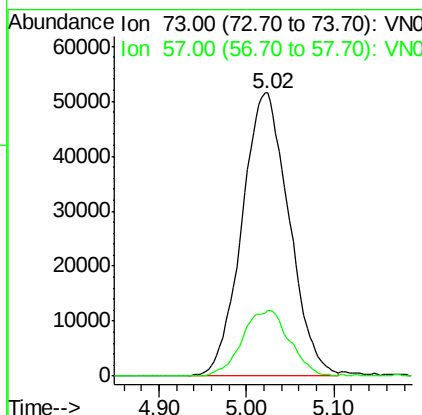
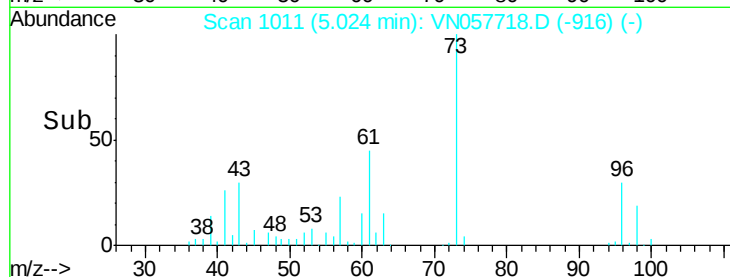
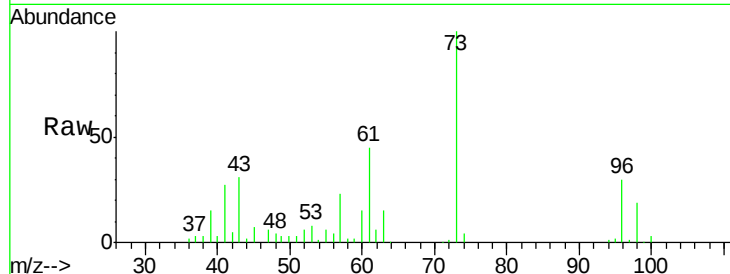
#19
Methvl tert-butvl Ether
Concen: 19.016 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion: 73 Resp: 192203
Ion Ratio Lower Upper
73 100
57 23.0 17.7 26.5

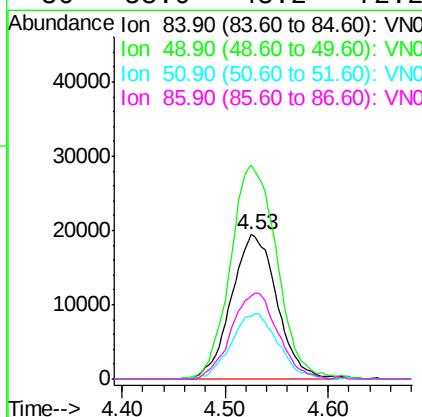
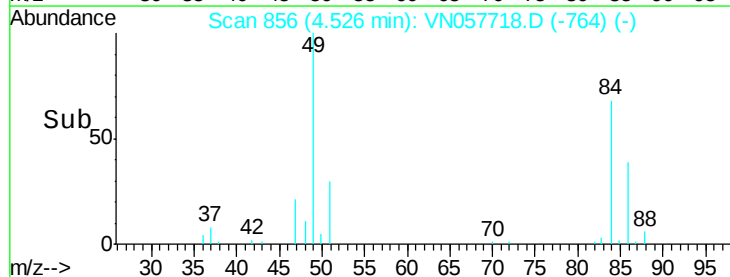
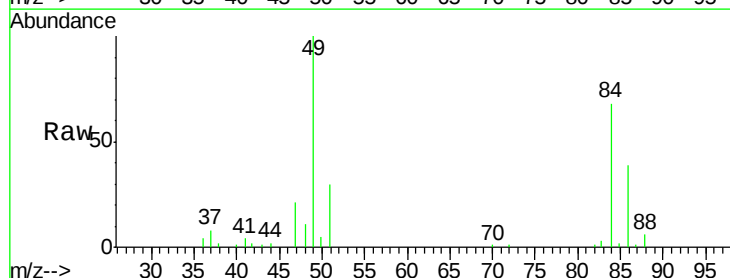
Manual Integrations
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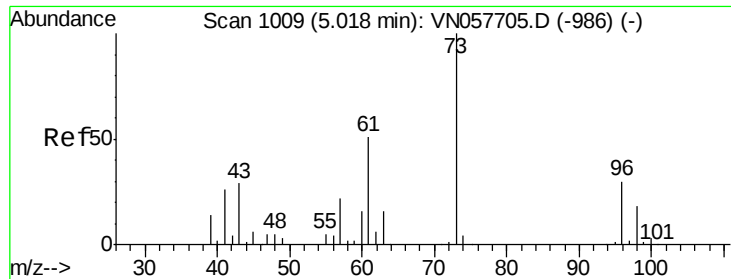
MMDadoda
9/9/2019 1:11:07 PM



#20
Methylene Chloride
Concen: 19.028 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion: 84 Resp: 59835
Ion Ratio Lower Upper
84 100
49 146.6 115.0 172.6
51 43.8 33.8 50.8
86 58.0 48.2 72.2





#21

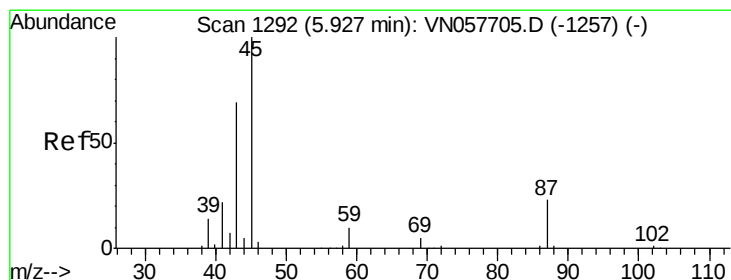
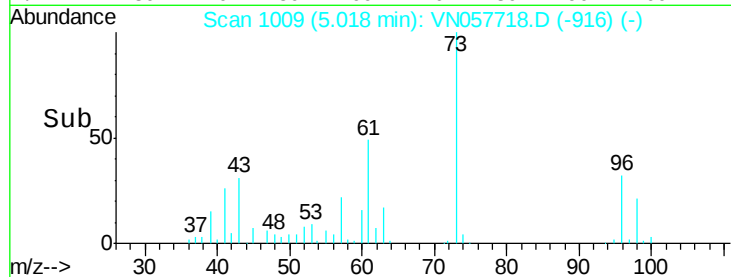
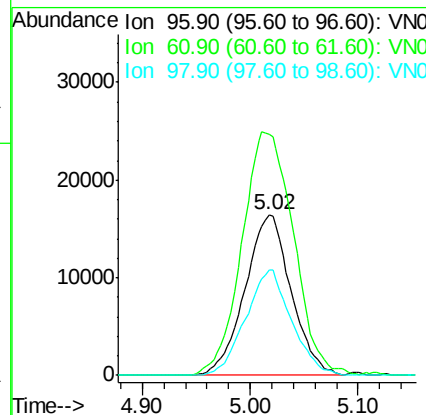
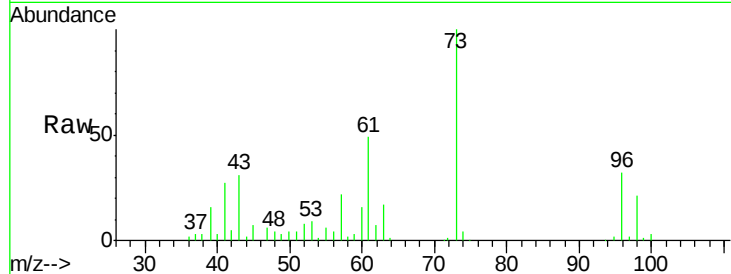
trans-1,2-Dichloroethene
Concen: 19.312 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	135.8	203.8
98	65.6	49.0	73.6

Manual Integrations
APPROVED

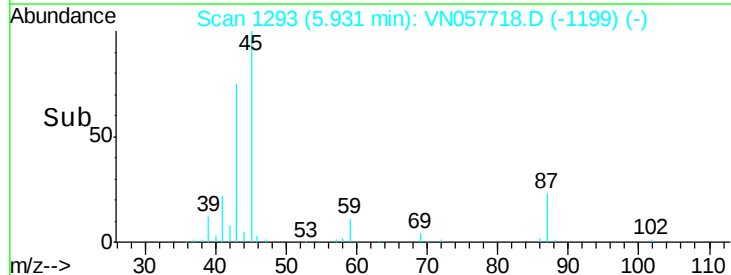
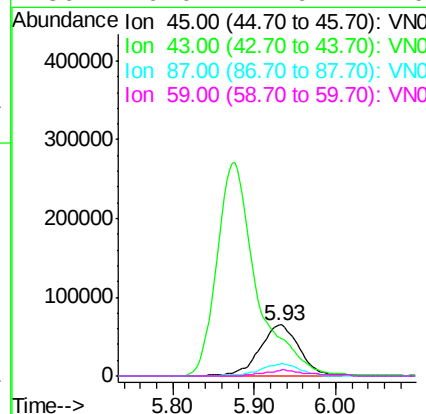
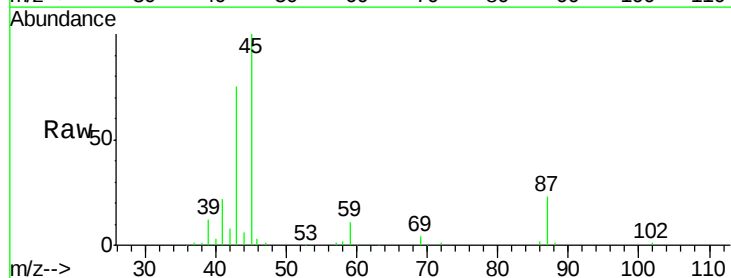
MMDadoda
9/9/2019 1:11:07 PM

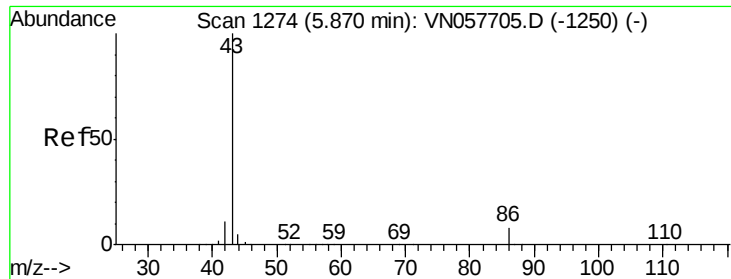


#22

Diisopropyl ether
Concen: 18.875 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.4	55.5	83.3
87	22.7	18.6	28.0
59	10.0	7.9	11.9





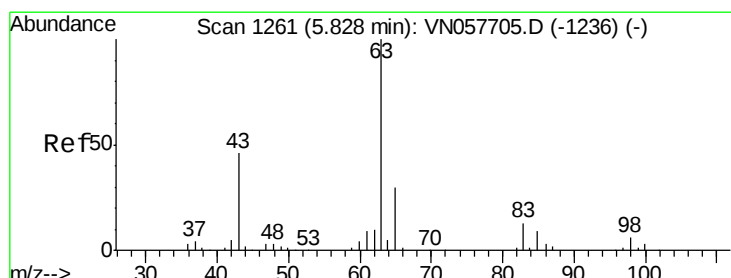
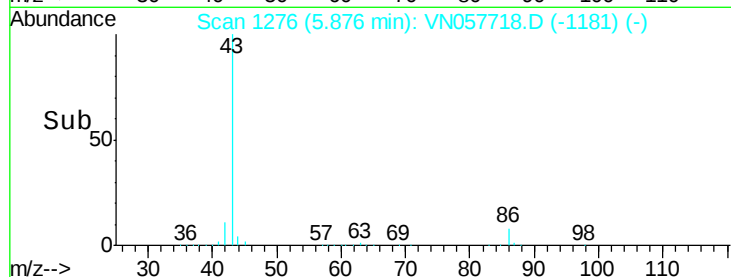
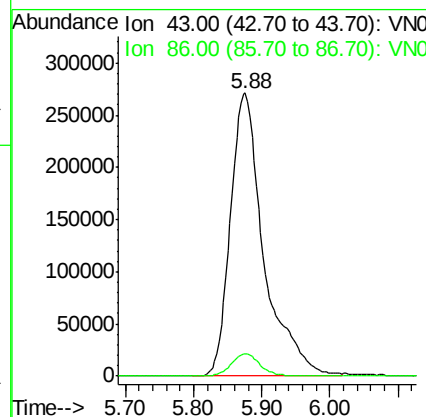
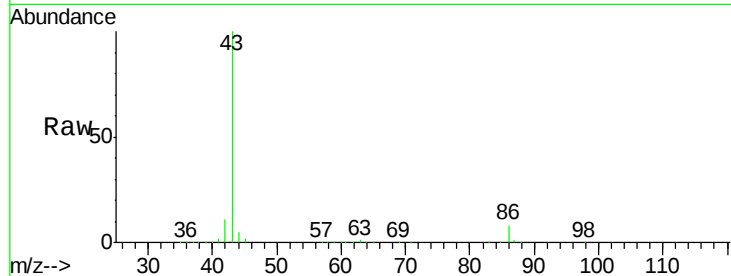
#23
 Vinyl Acetate
 Concen: 98.274 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.01 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	43	Resp	925744
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	6.2	9.4

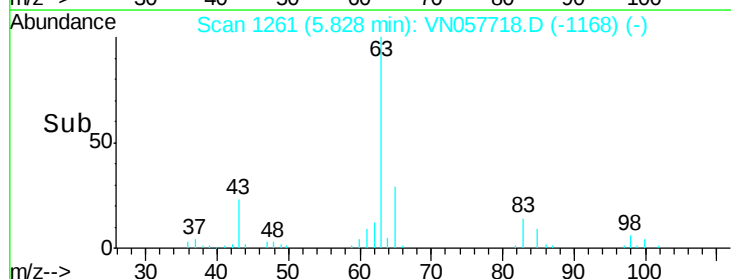
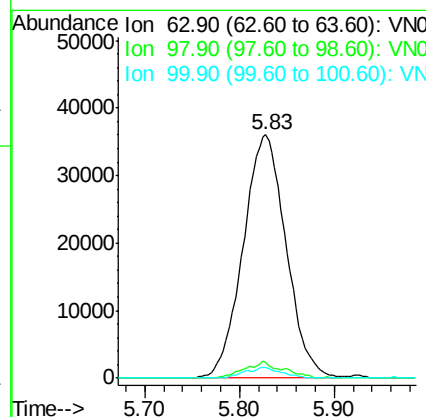
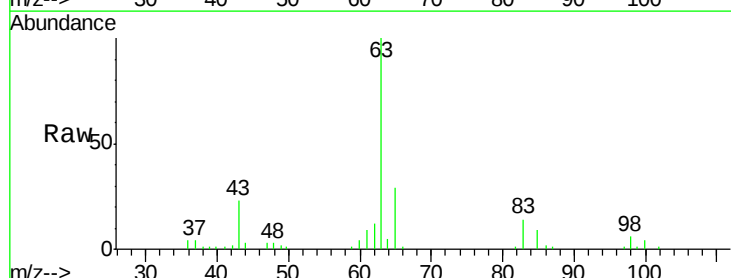
Manual Integrations
 APPROVED

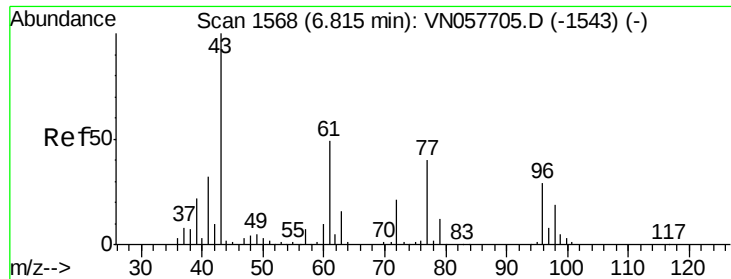
MMDadoda
 9/9/2019 1:11:07 PM



#24
 1,1-Dichloroethane
 Concen: 19.022 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	63	Resp	113509
Ion Ratio	100	Lower	Upper
63	100		
98	6.4	2.9	8.8
100	4.2	1.7	5.0





#25

2-Butanone

Concen: 98.415 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tot Ion: 43 Resp: 204965

Ion Ratio Lower Upper

43 100

72 21.9 17.0 25.6

Instrument :

MSVOA_N

ClientSampleId :

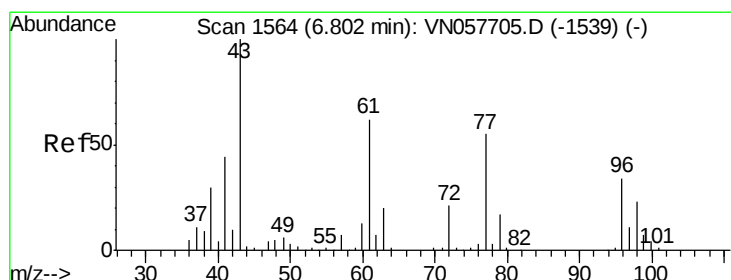
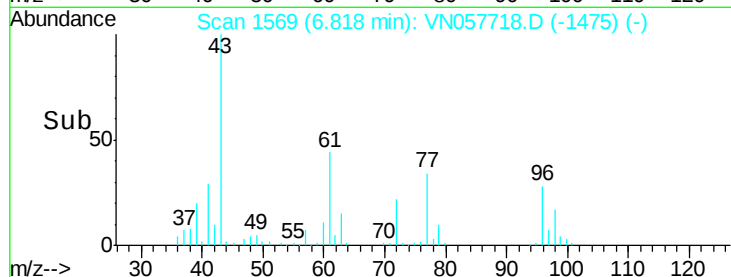
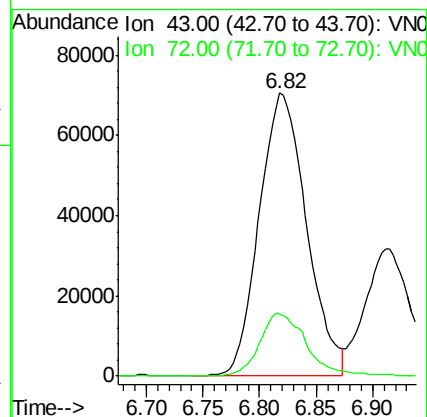
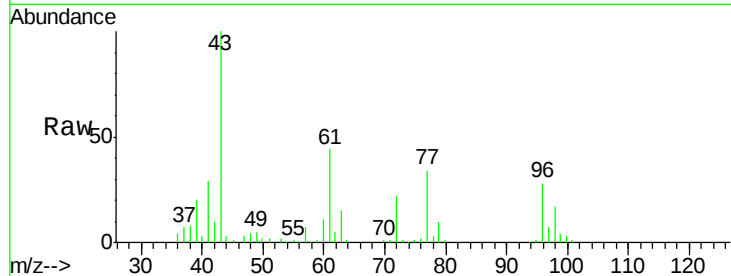
VN0906WBSD01

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#26

2,2-Dichloropropane

Concen: 18.585 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN057718.D

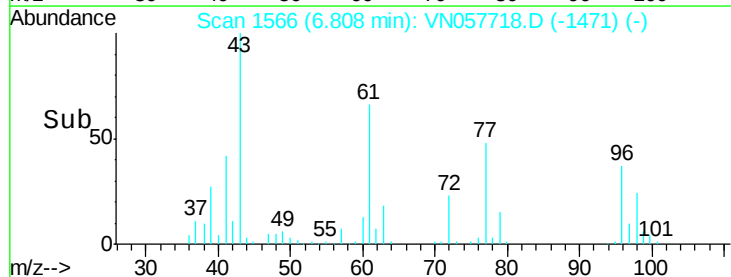
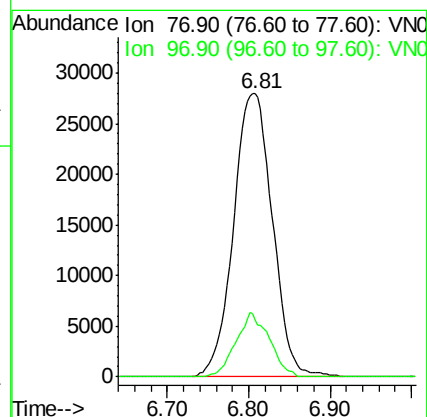
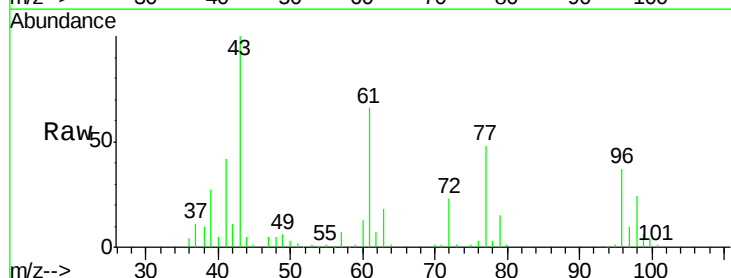
Acq: 6 Sep 2019 17:31

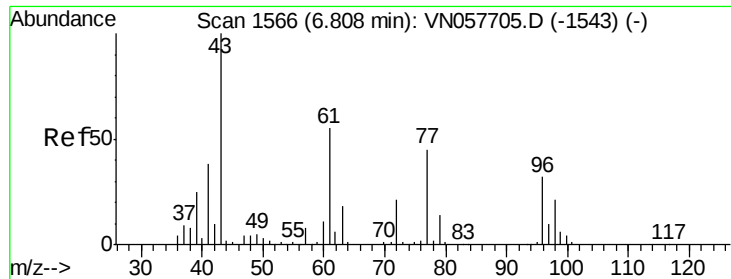
Tgt Ion: 77 Resp: 92521

Ion Ratio Lower Upper

77 100

97 19.5 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 19.616 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

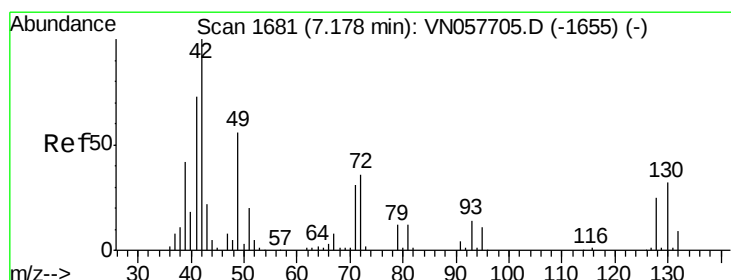
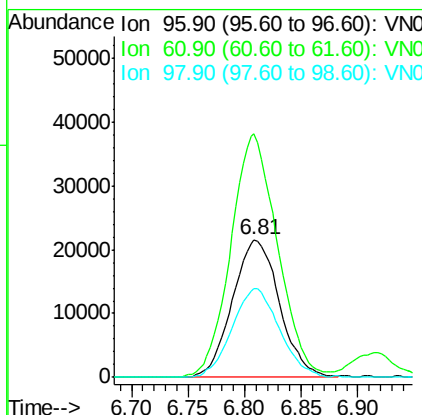
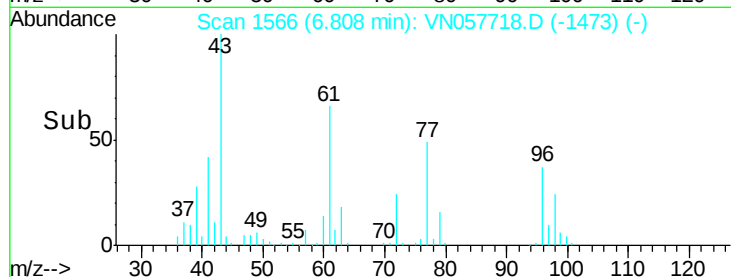
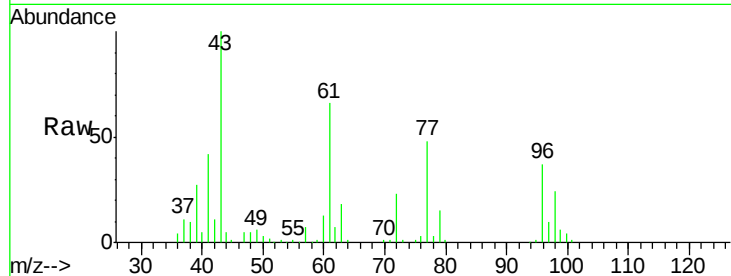
ClientSampled :

VN0906WBSD01

Tot Ion:	96	Resp:	62377
Ion	Ratio	Lower	Upper
96	100		
61	175.1	0.0	360.6
98	64.9	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.265 ug/l

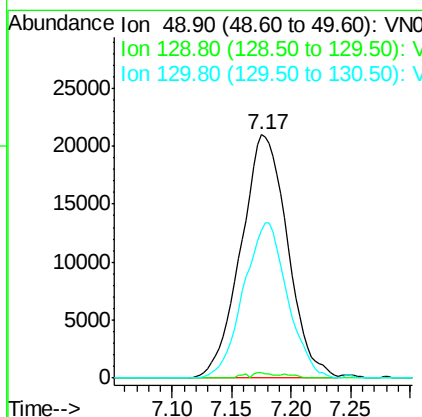
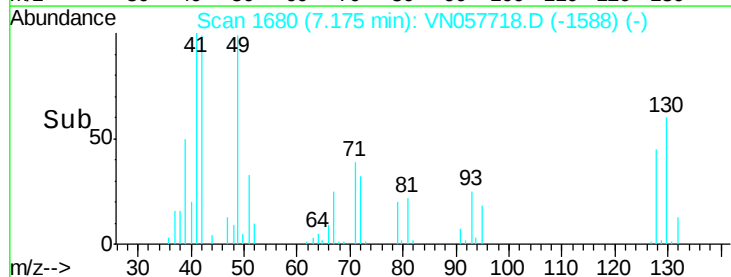
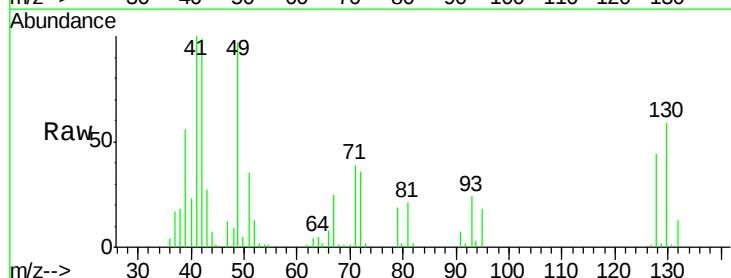
RT: 7.17 min Scan# 1680

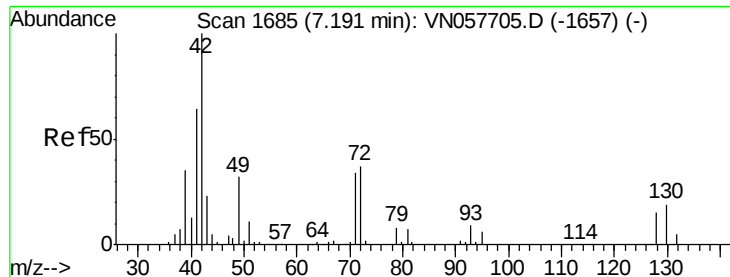
Delta R.T. -0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion:	49	Resp:	57029
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.4
130	59.9	45.8	68.8





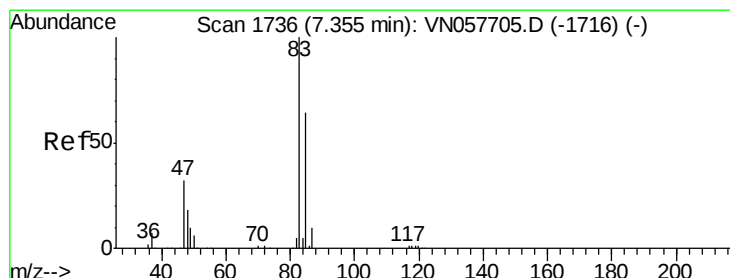
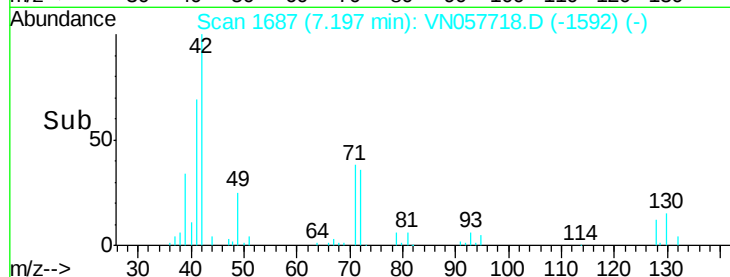
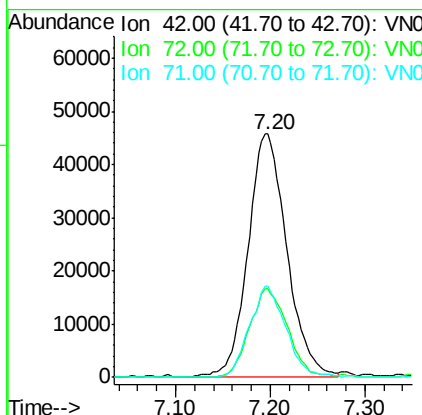
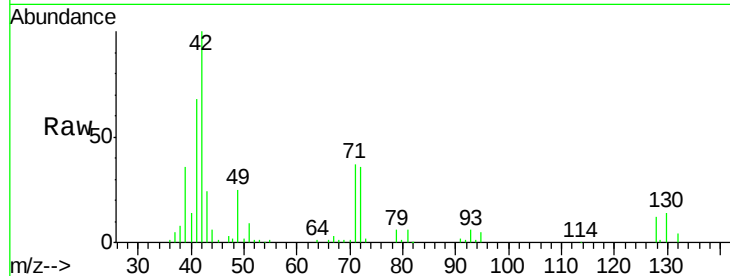
#29
Tetrahydrofuran
Concen: 97.143 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.2	43.8
71	35.2	27.0	40.4

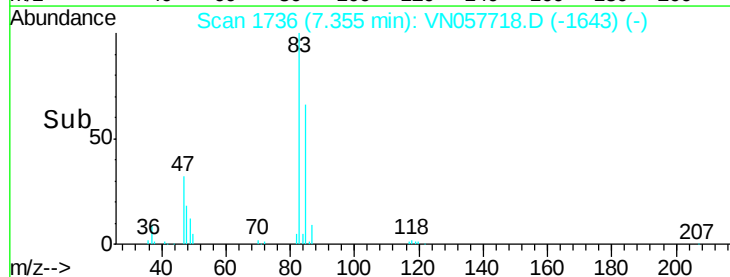
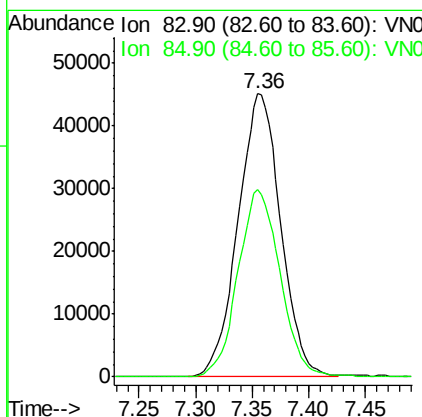
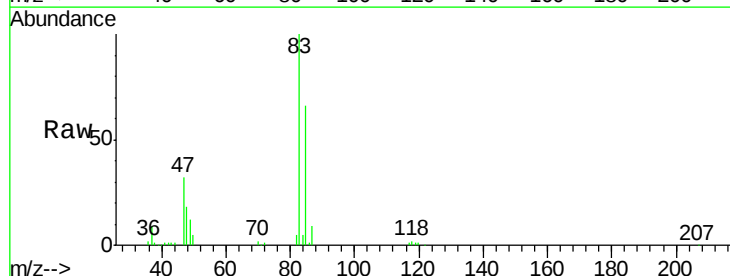
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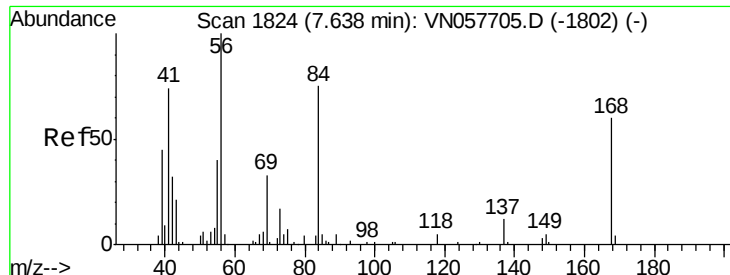
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#30
Chloroform
Concen: 19.026 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.3	76.9





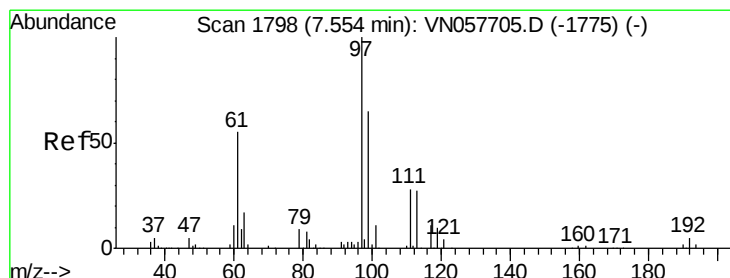
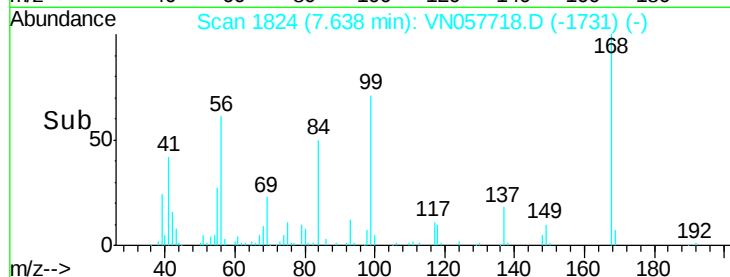
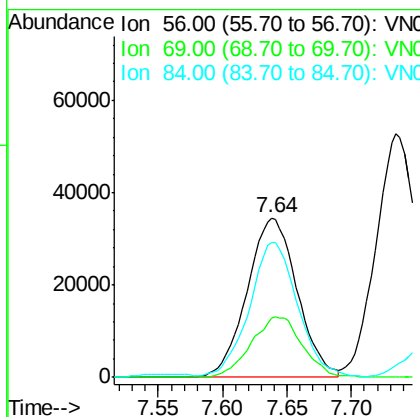
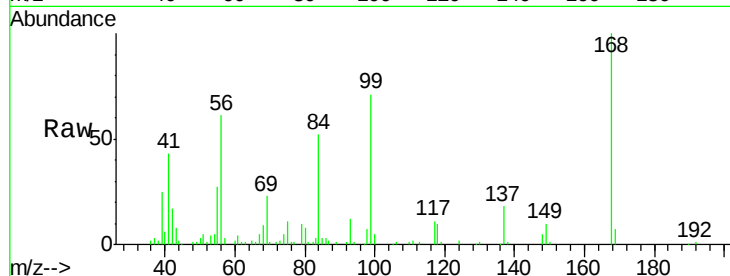
#31
Cyclohexane
Concen: 17.529 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.2	39.2
84	83.1	59.8	89.8

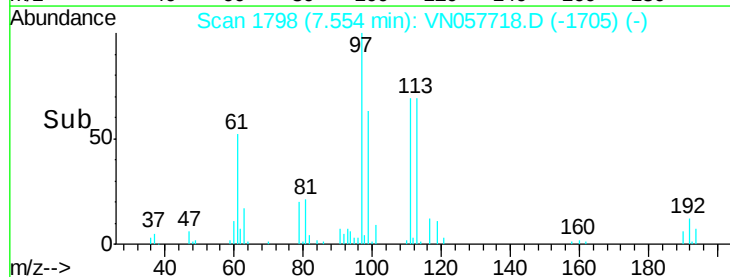
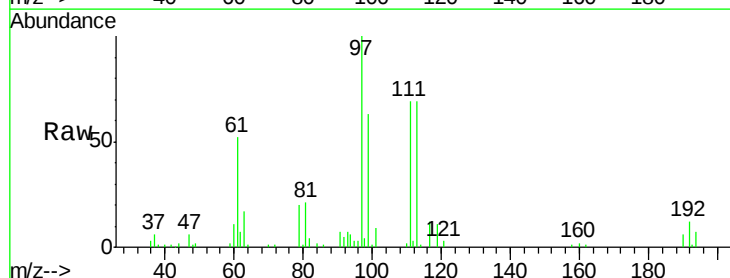
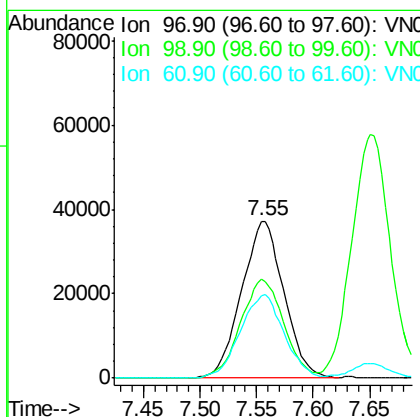
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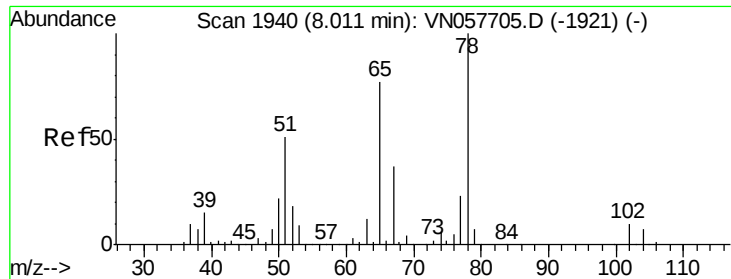
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.664 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	55.2	42.8	64.2





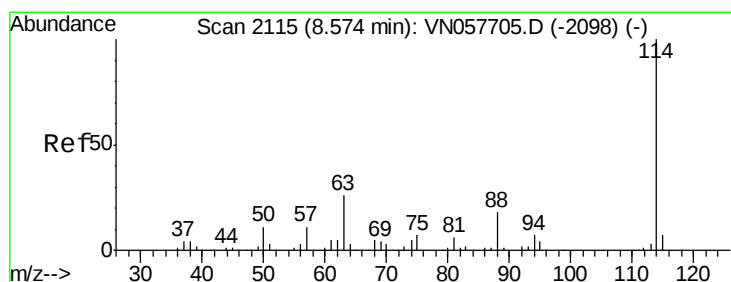
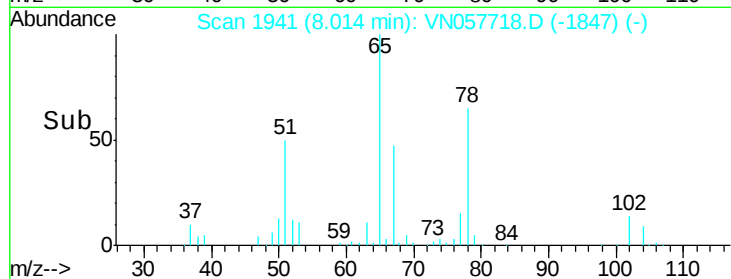
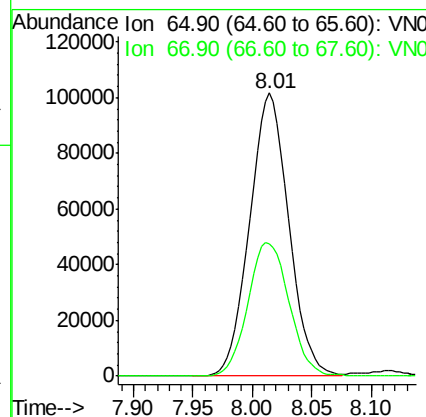
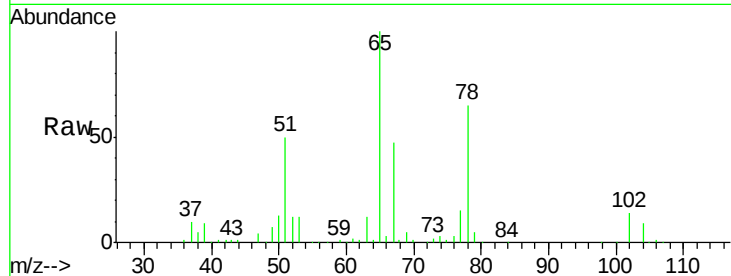
#33
 1,2-Dichloroethane-d4
 Concen: 49.071 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	231897		
67	49.8	0.0	98.2	

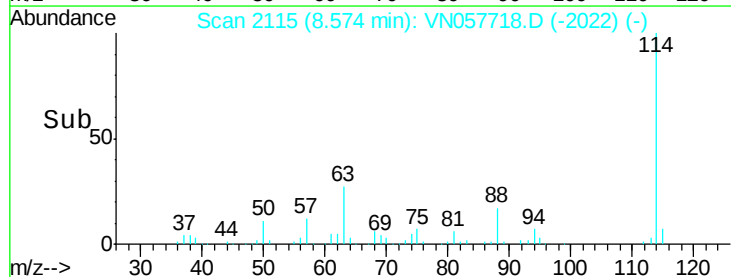
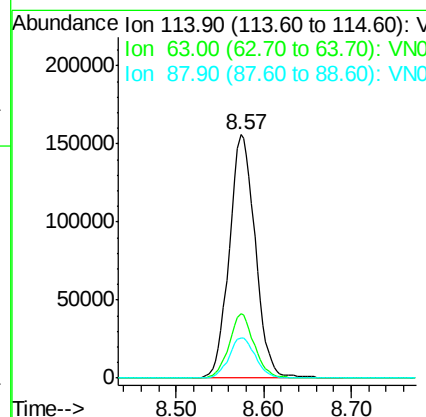
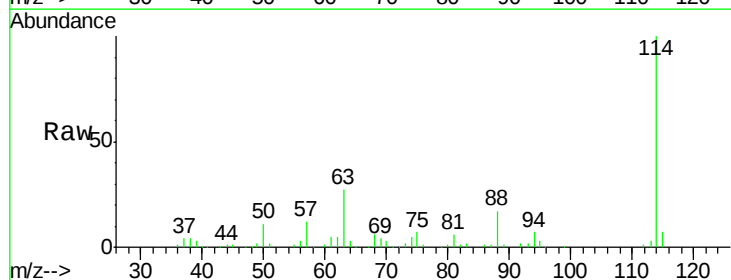
Manual Integrations
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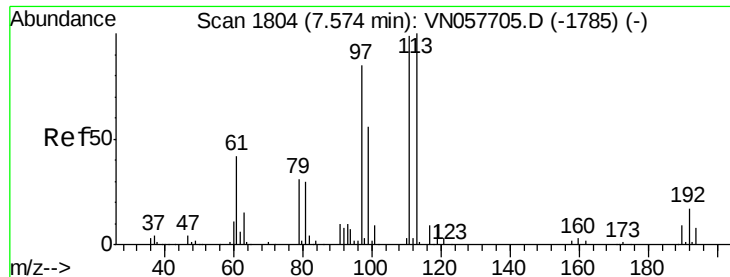
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	321466		
63	26.6	0.0	52.4	
88	16.7	0.0	35.4	





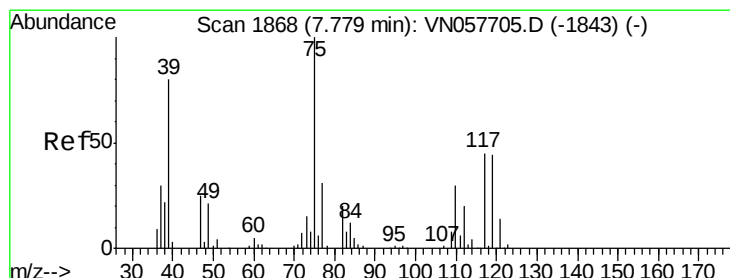
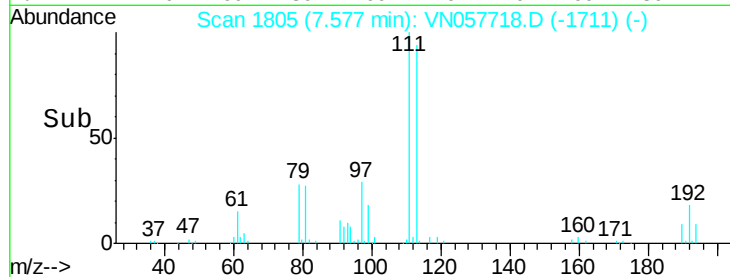
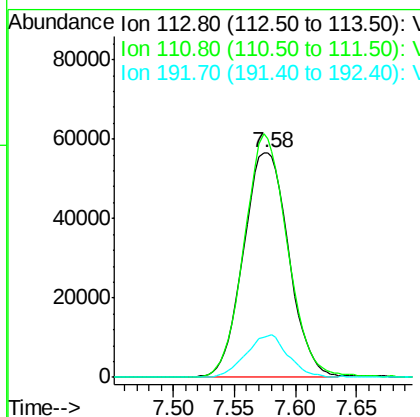
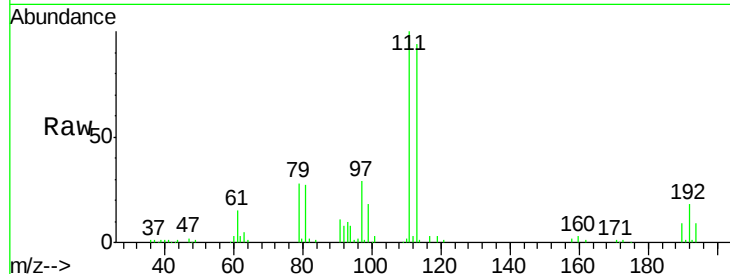
#35
 Dibromofluoromethane
 Concen: 49.762 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	17.6	13.8	20.6

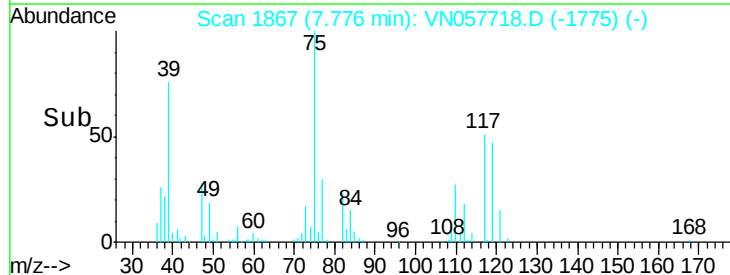
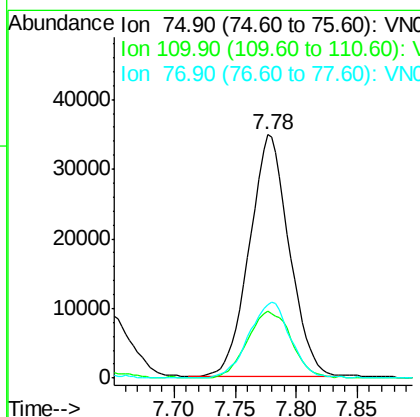
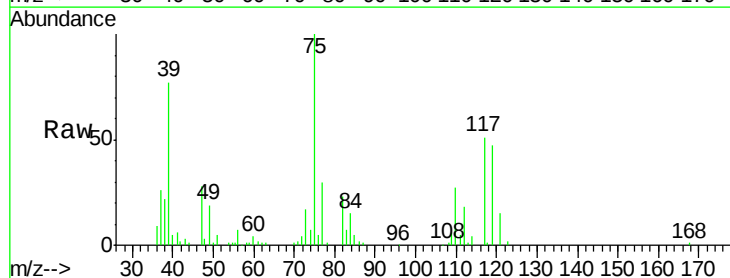
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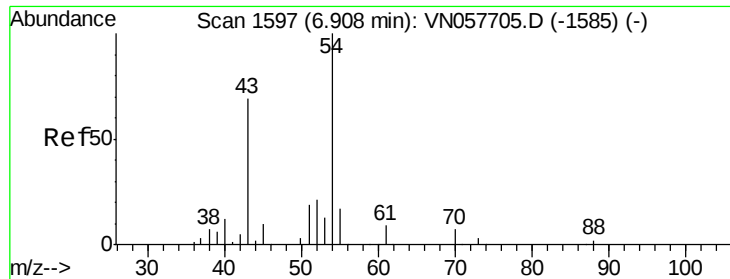
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#36
 1,1-Dichloropropene
 Concen: 18.361 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	15.0	45.0
77	32.9	24.6	37.0





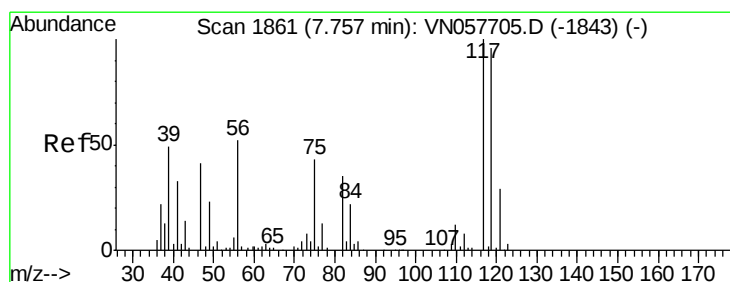
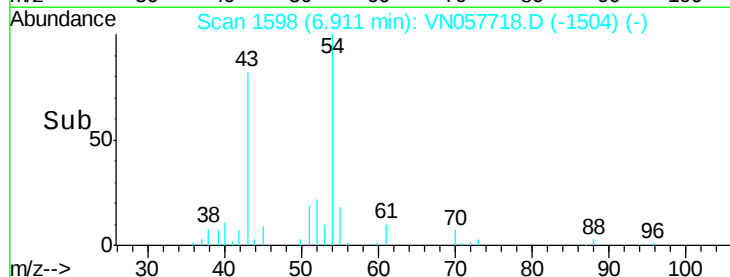
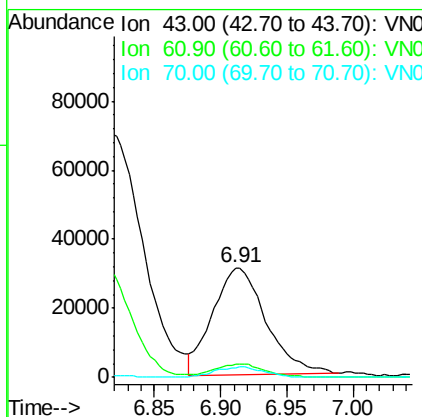
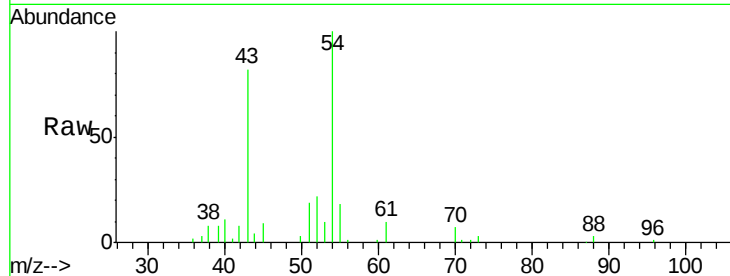
#37
Ethyl Acetate
Concen: 20.322 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	43	61	70
Resp	86281		
Ratio	100	12.2	8.9
Lower		9.8	6.7
Upper		14.8	10.1

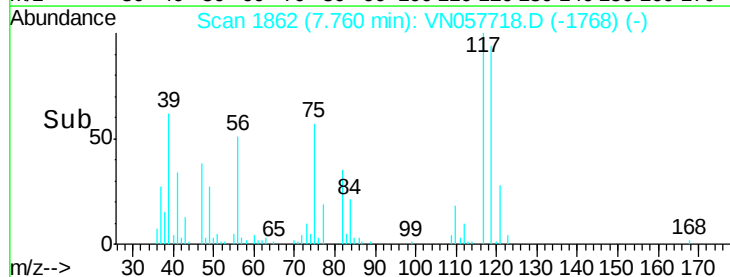
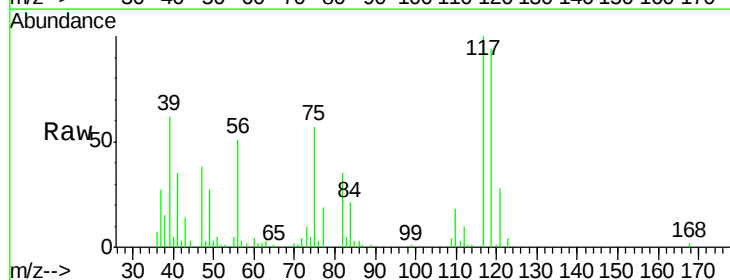
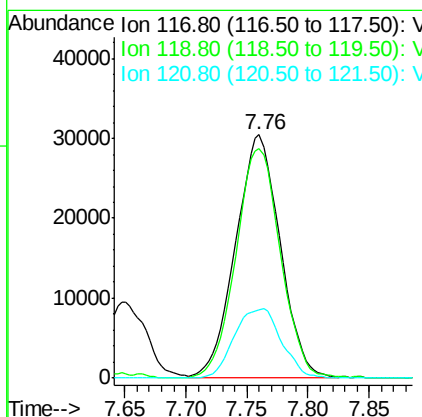
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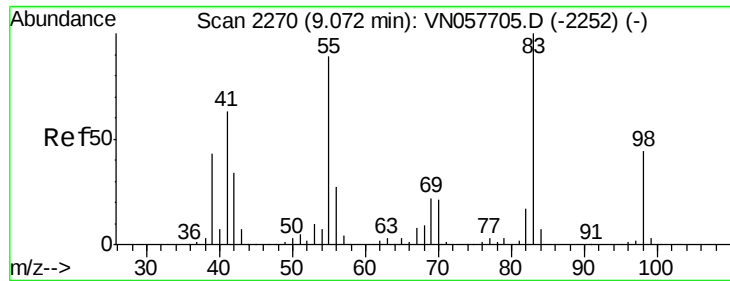
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#38
Carbon Tetrachloride
Concen: 18.866 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	117	119	121
Resp	77256		
Ratio	100	94.1	28.0
Lower		76.1	23.4
Upper		114.1	35.2





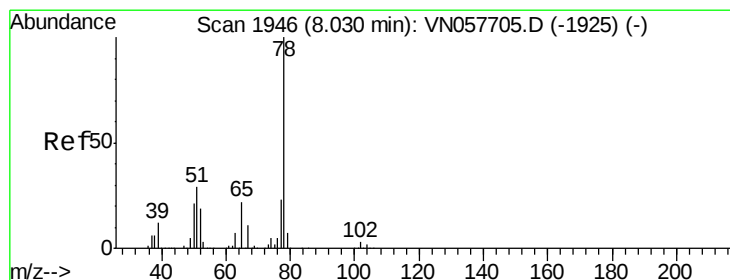
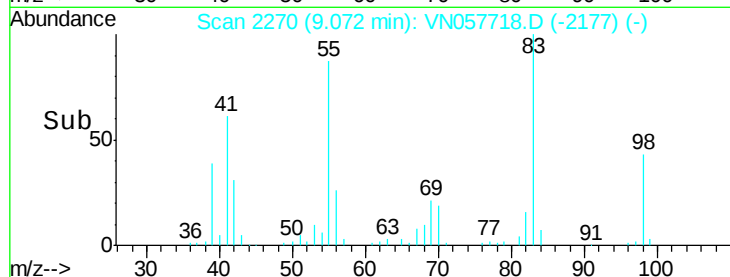
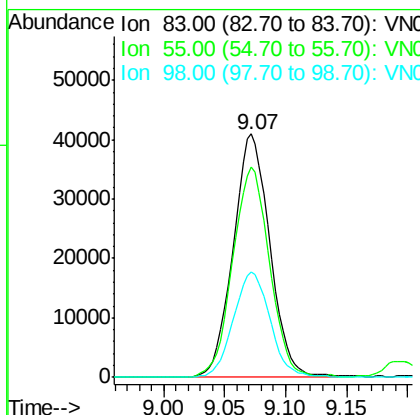
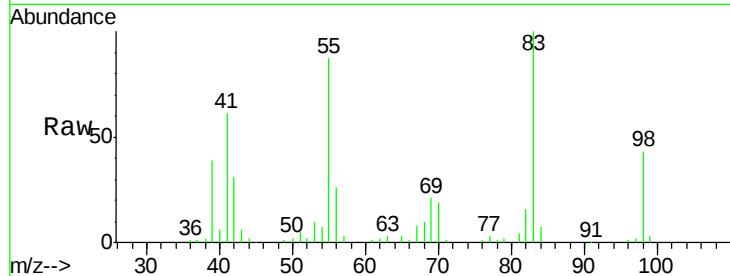
#39
Methvlcvclohexane
Concen: 18.830 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	83	Resp	85179
Ion Ratio	100	Lower	Upper
83	100		
55	86.6	71.4	107.0
98	43.1	35.3	52.9

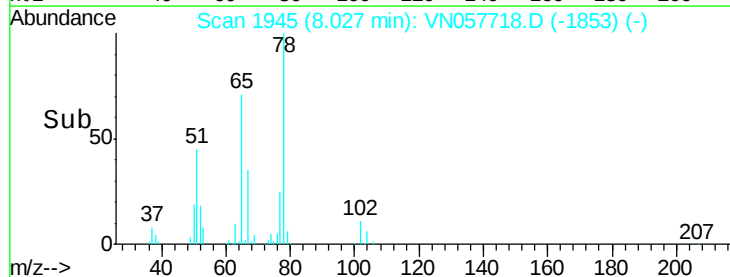
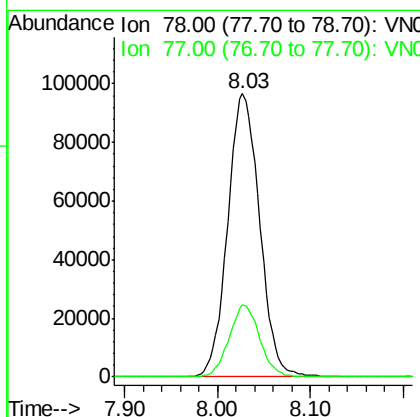
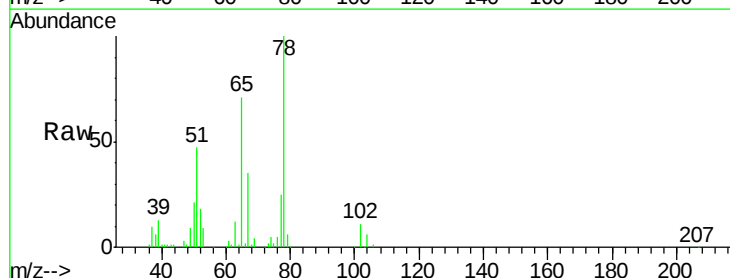
Manual Integrations
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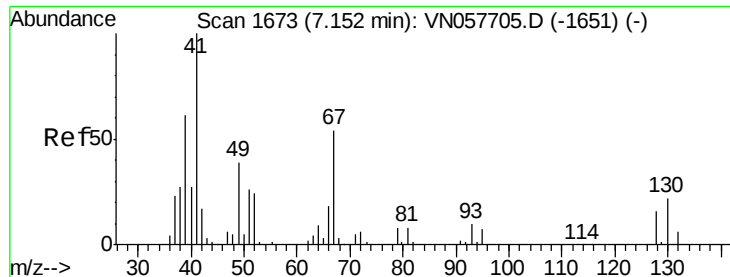
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#40
Benzene
Concen: 19.082 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	78	Resp	230820
Ion Ratio	100	Lower	Upper
78	100		
77	25.3	18.6	28.0





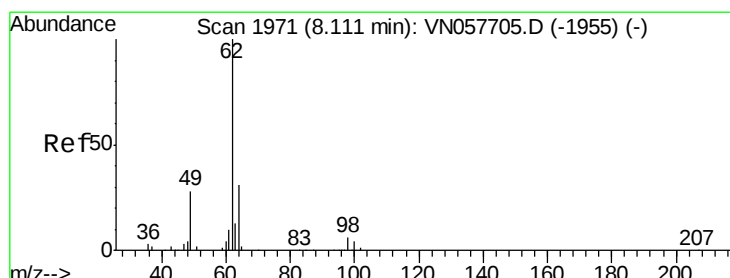
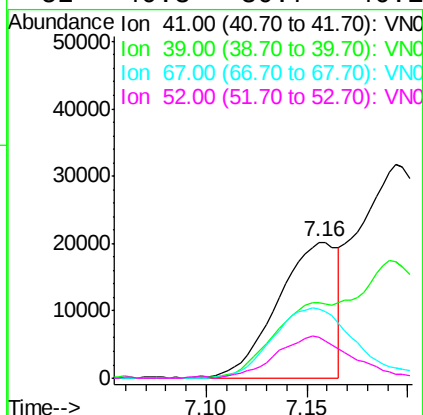
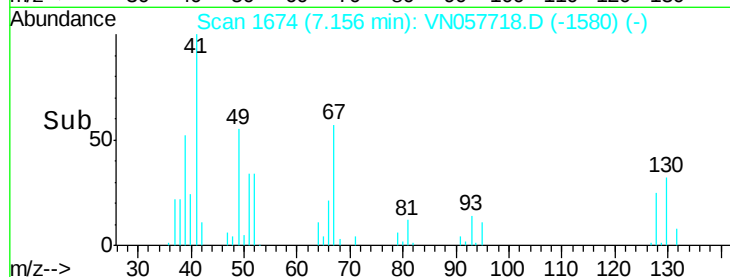
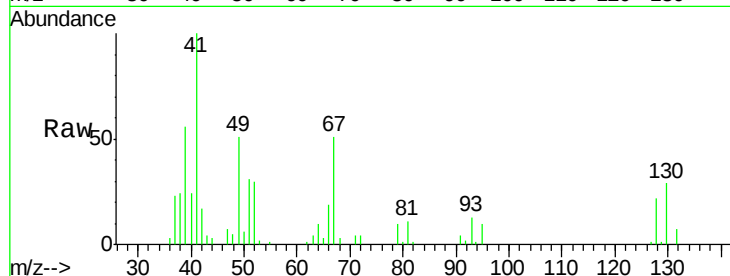
#41
Methacrylonitrile
Concen: 20.054 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	41	Resp	41620
Ion Ratio	Lower	Upper	
41	100		
39	53.5	43.6	65.4
67	71.1	59.8	89.6
52	40.3	30.7	46.1

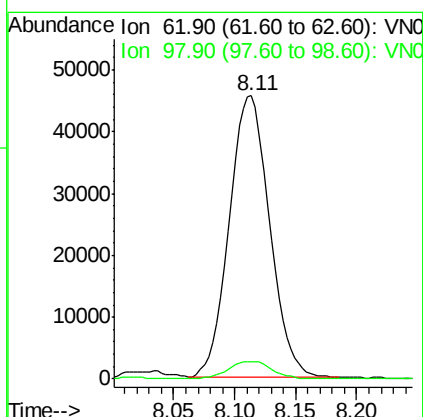
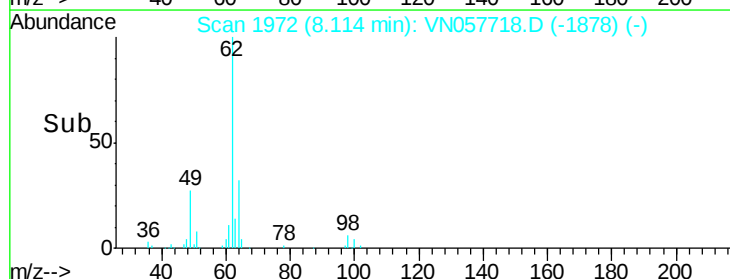
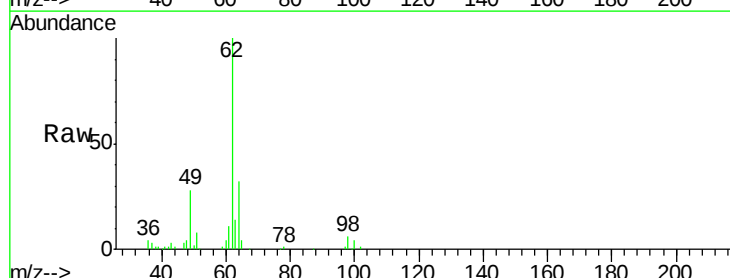
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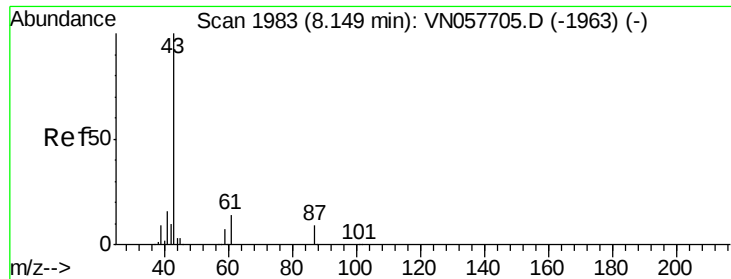
MMDadoda
9/9/2019 1:11:07 PM



#42
1,2-Dichloroethane
Concen: 18.546 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	62	Resp	105154
Ion Ratio	Lower	Upper	
62	100		
98	6.5	0.0	12.6





#43

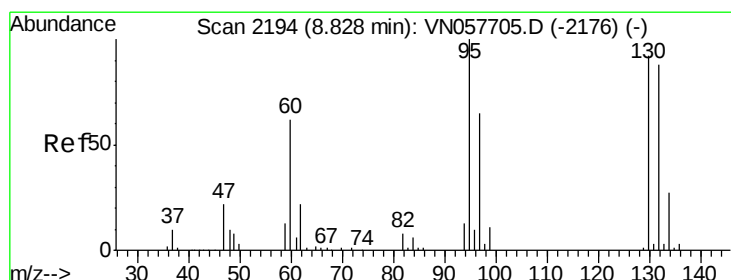
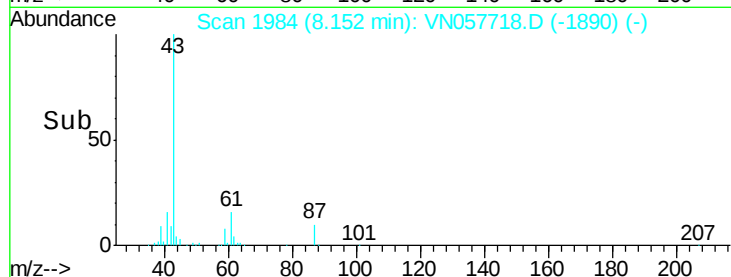
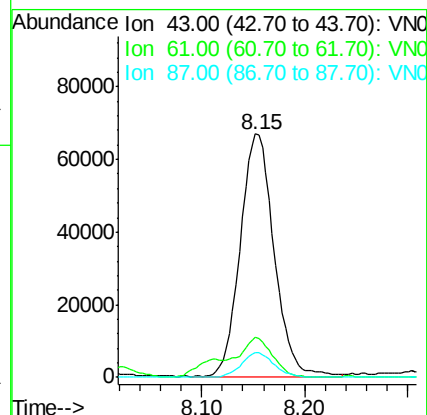
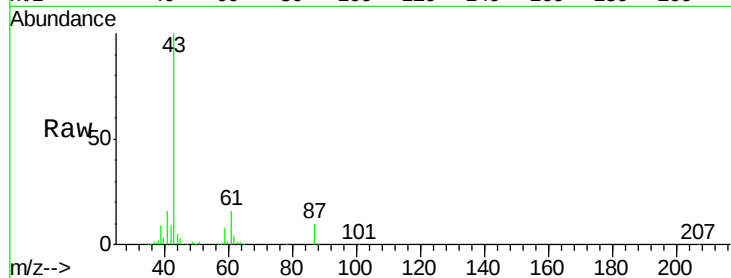
Isopropyl Acetate
 Concen: 18.675 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.8	19.2
87	9.7	7.8	11.8

Manual Integrations
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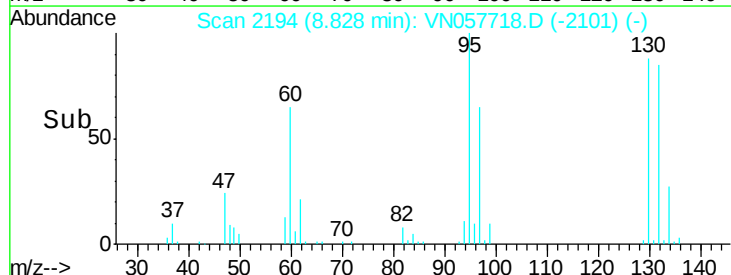
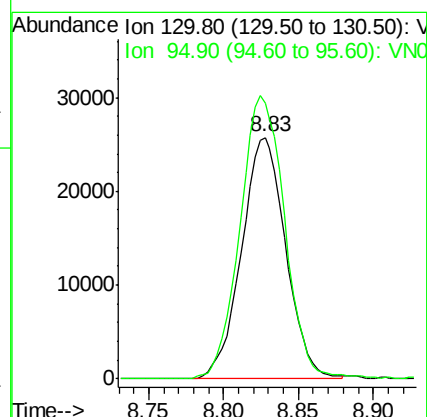
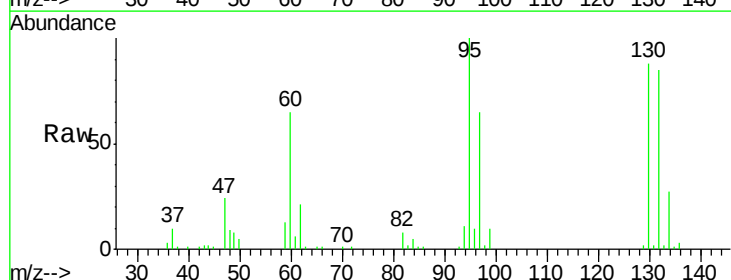
MMDadoda
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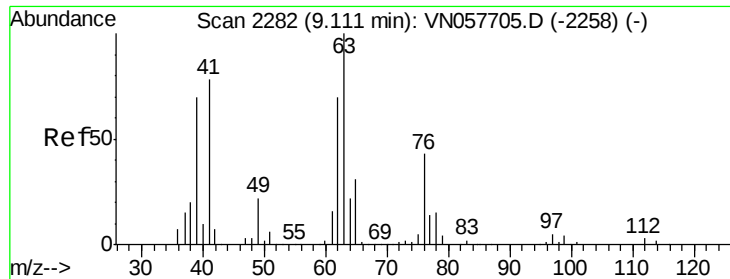


#44

Trichloroethene
 Concen: 19.432 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.8	0.0	217.8





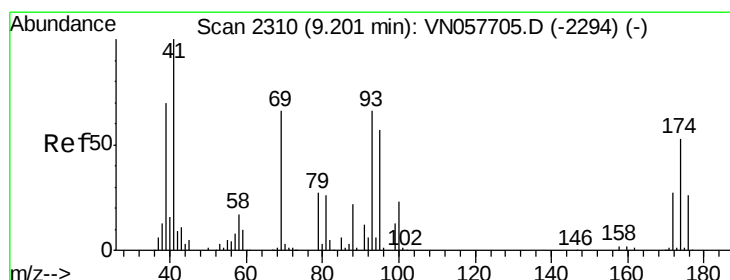
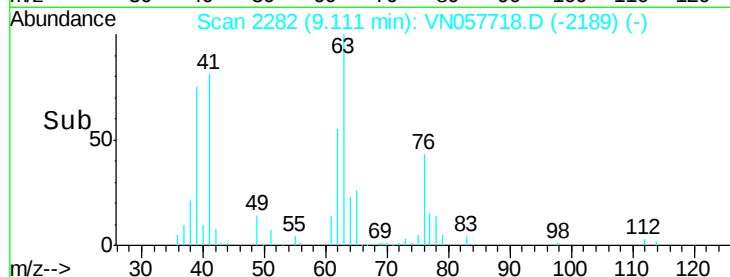
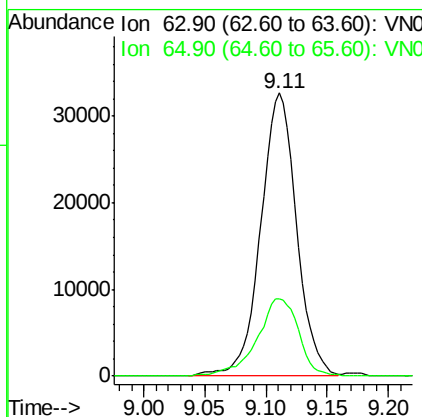
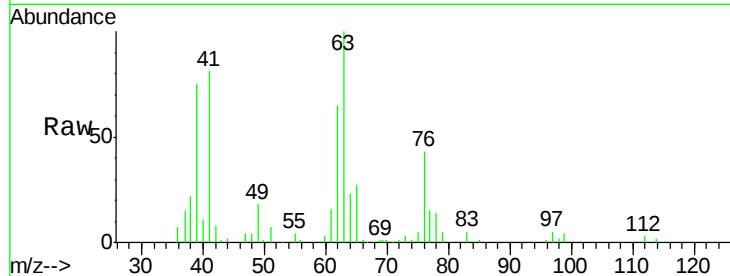
#45
 1,2-Dichloropropane
 Concen: 19.774 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBSD01

Tot Ion: 63 Resp: 66898
 Ion Ratio Lower Upper
 63 100
 65 27.5 24.5 36.7

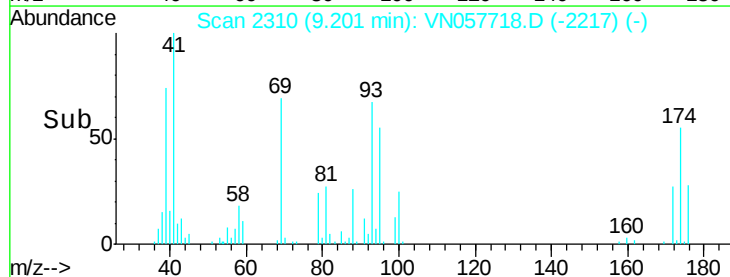
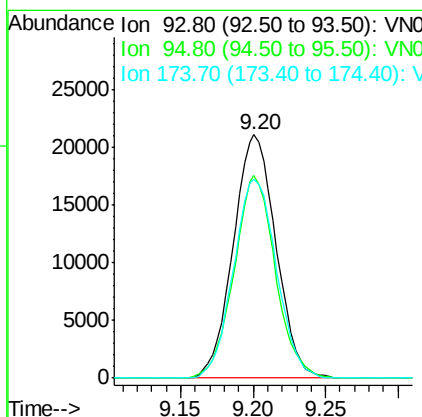
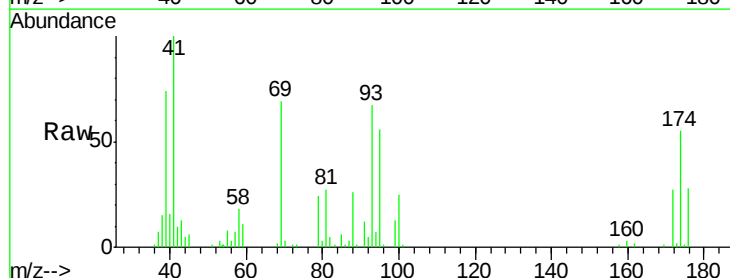
Manual Integrations
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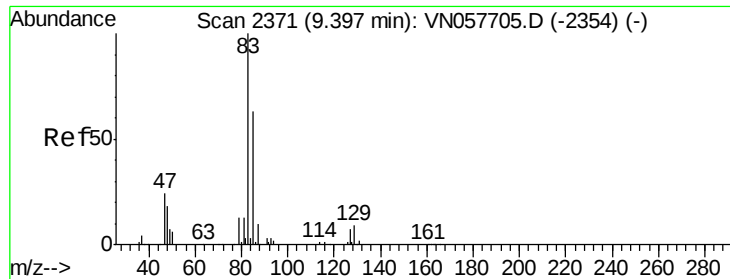
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#46
 Dibromomethane
 Concen: 19.858 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion: 93 Resp: 43093
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.1 99.1
 174 82.5 63.4 95.2





#47

Bromodichloromethane

Concen: 18.830 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

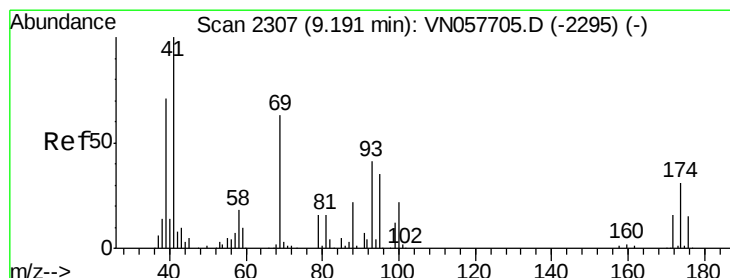
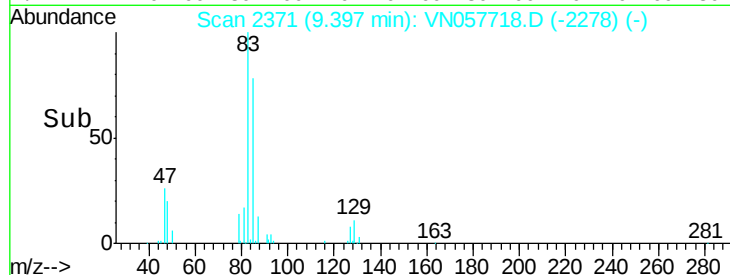
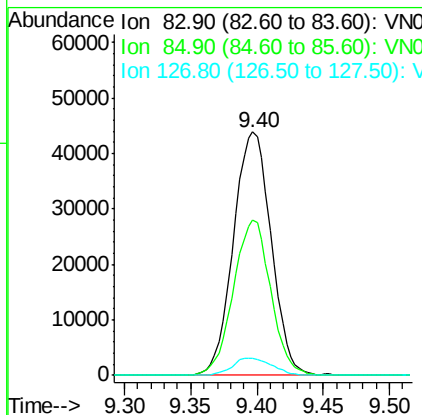
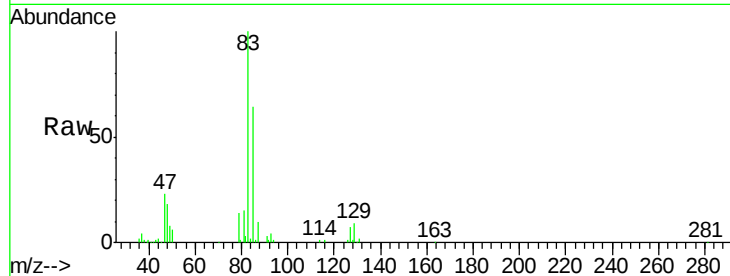
ClientSampleId :

VN0906WBSD01

Tot Ion:	83	Resp:	86845
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1
127	6.9	5.6	8.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.127 ug/l

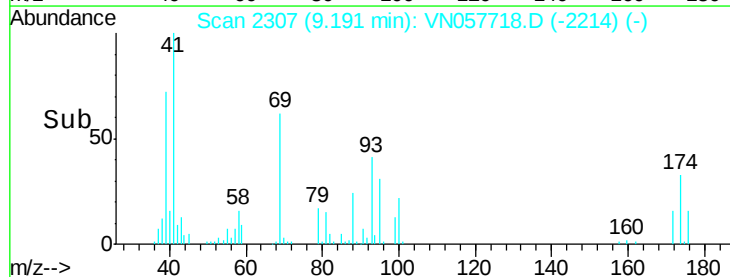
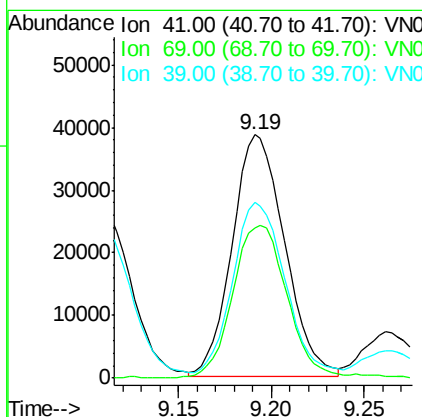
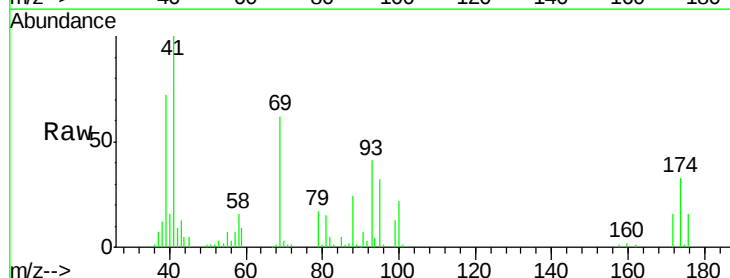
RT: 9.19 min Scan# 2307

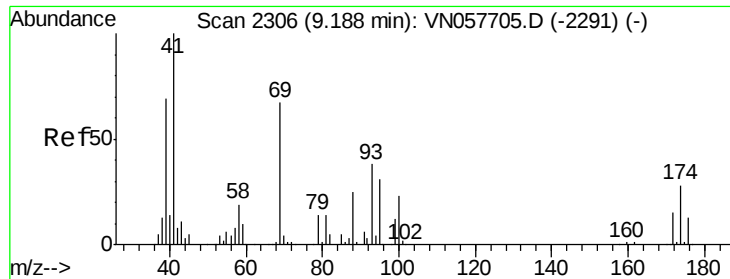
Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion:	41	Resp:	75973
Ion	Ratio	Lower	Upper
41	100		
69	66.1	51.2	76.8
39	73.3	57.3	85.9





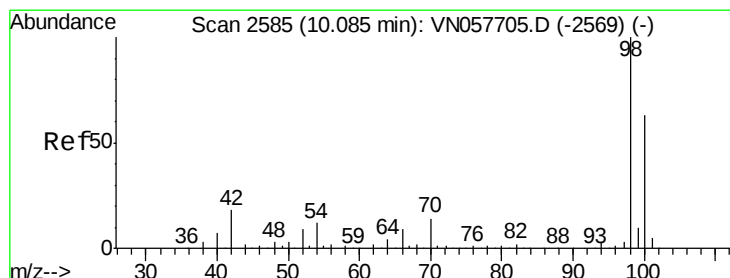
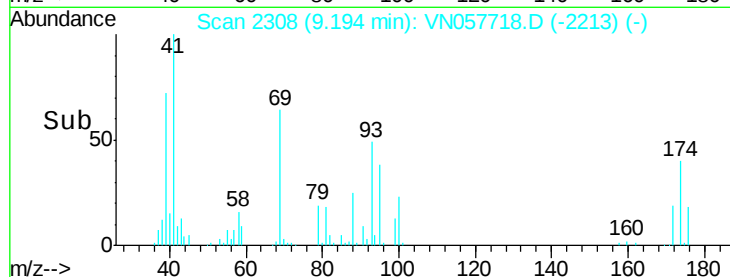
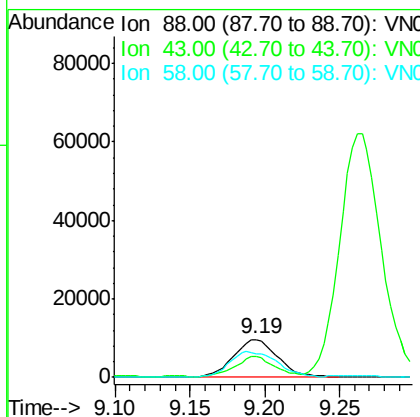
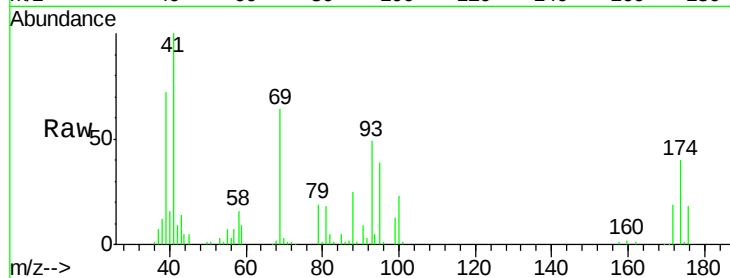
#49
1,4-Dioxane
Concen: 406.682 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.7	35.4	53.2
58	73.5	61.5	92.3

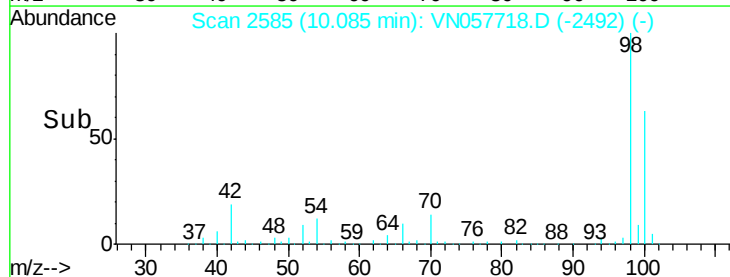
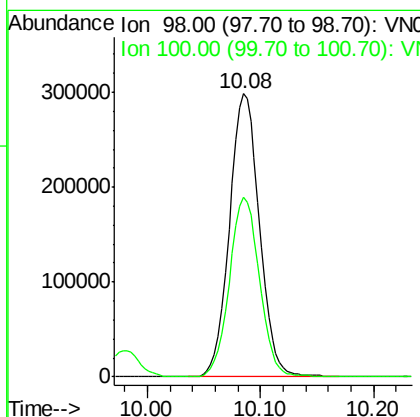
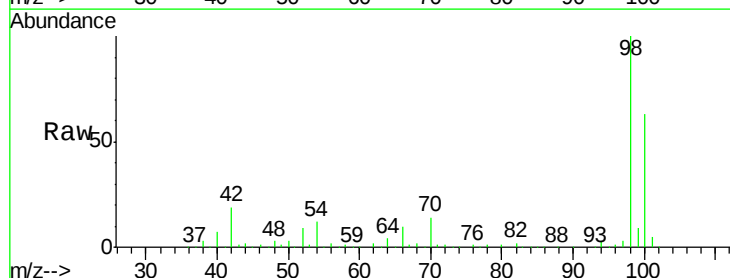
Manual Integrations
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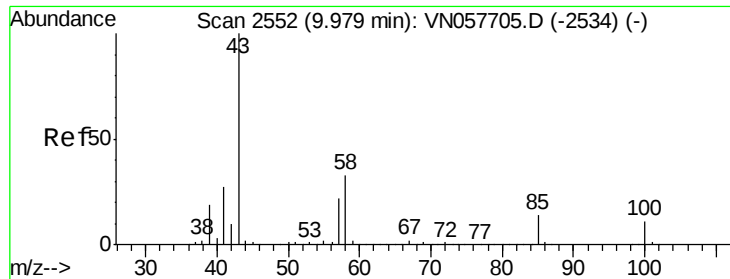
MMDadoda
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#50
Toluene-d8
Concen: 50.874 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 100.463 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 43 Resp: 454677

Ion Ratio Lower Upper

43 100

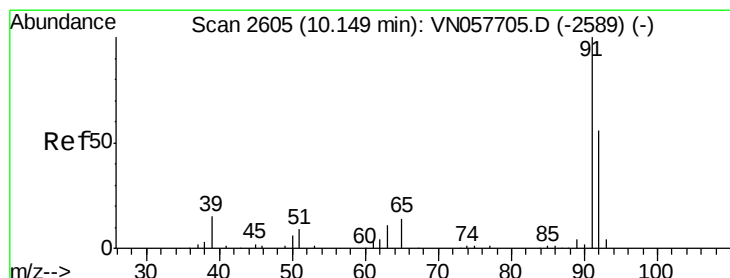
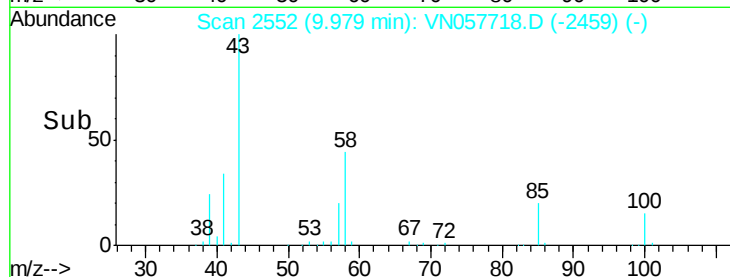
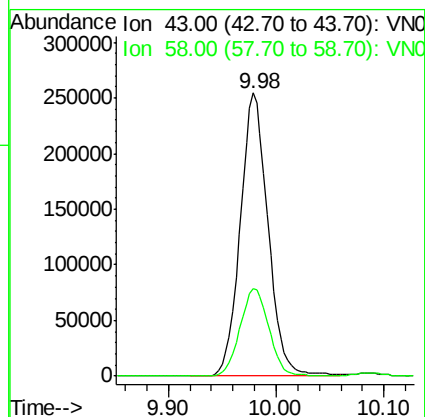
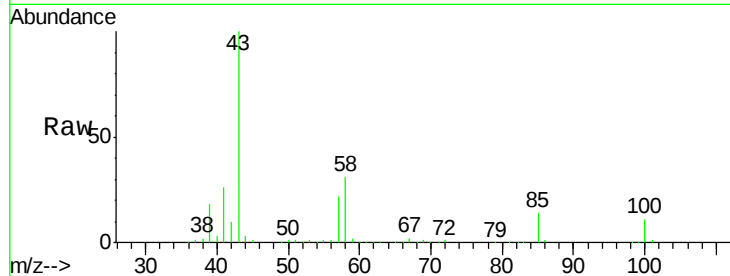
58 32.6 25.8 38.8

Manual Integrations

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#52

Toluene

Concen: 19.304 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057718.D

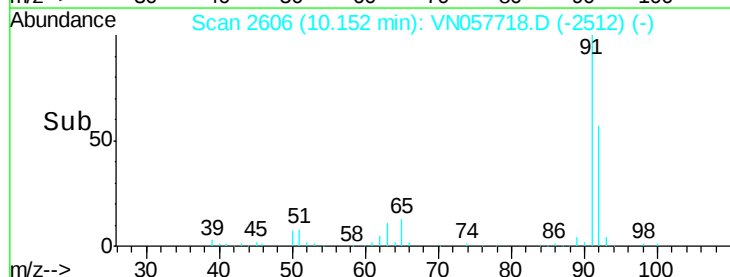
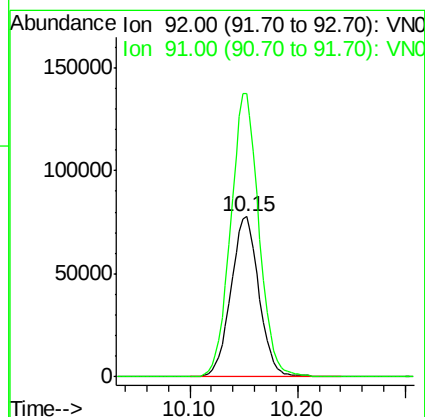
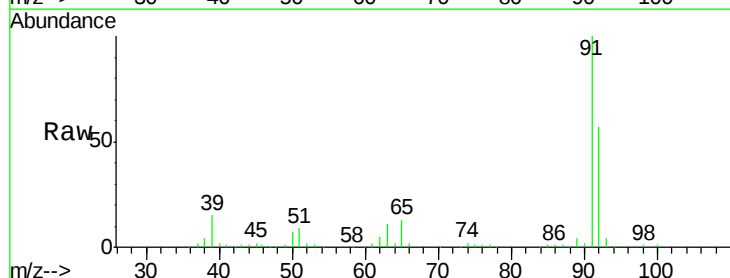
Acq: 6 Sep 2019 17:31

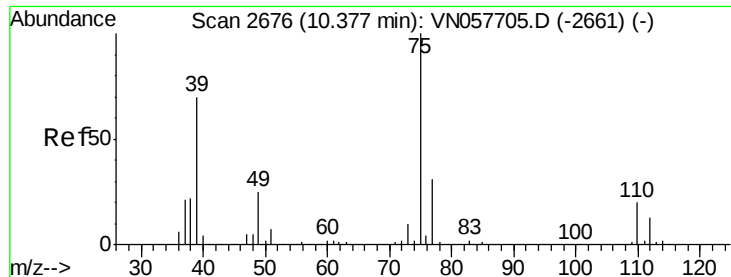
Tgt Ion: 92 Resp: 141525

Ion Ratio Lower Upper

92 100

91 177.3 141.5 212.3





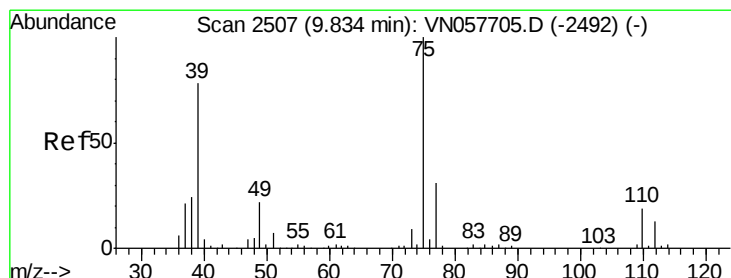
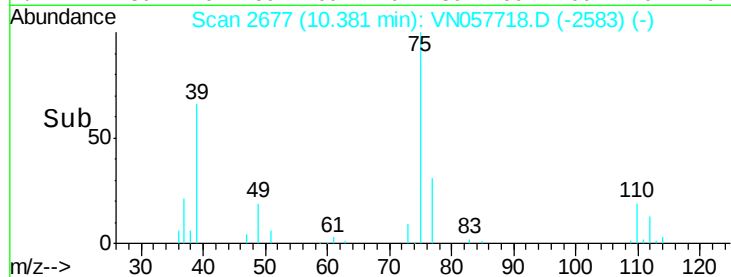
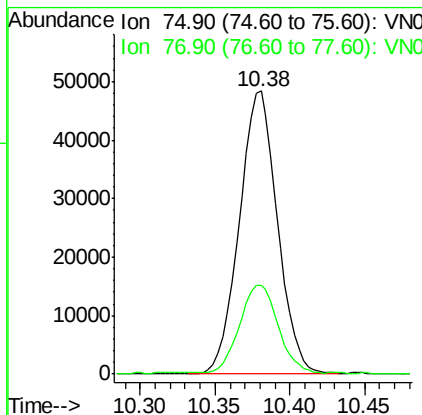
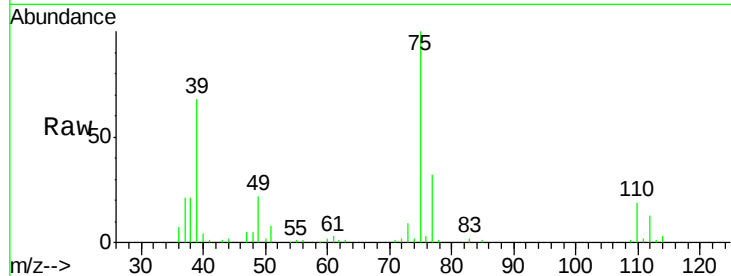
#53
 t-1,3-Dichloropropene
 Concen: 18.542 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion: 75 Resp: 85792
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7

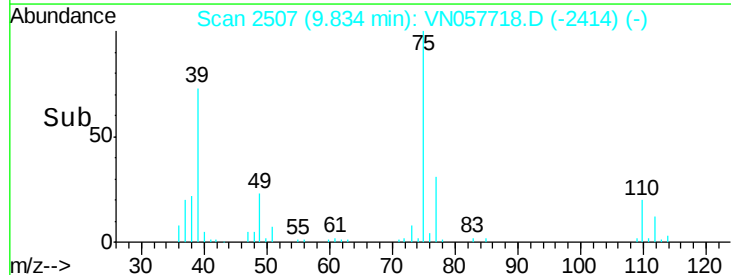
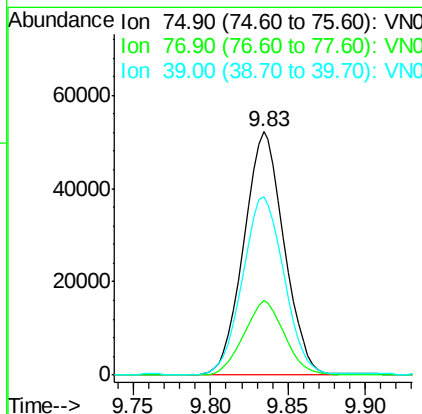
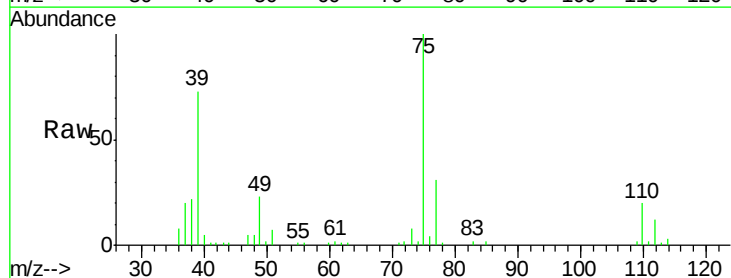
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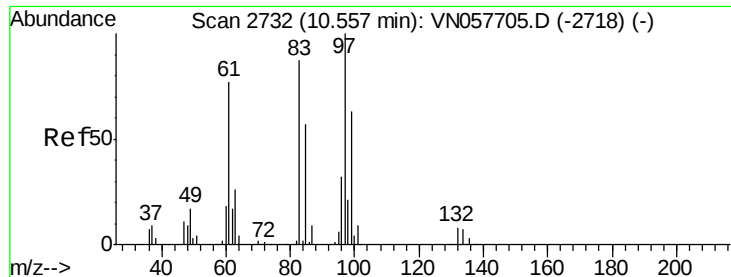
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 9/9/2019 1:11:07 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.942 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion: 75 Resp: 94690
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.1 37.7
 39 73.0 62.4 93.6





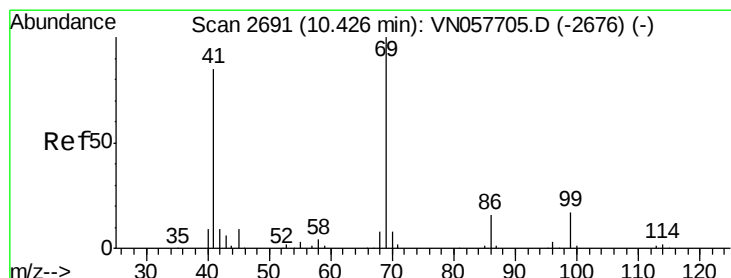
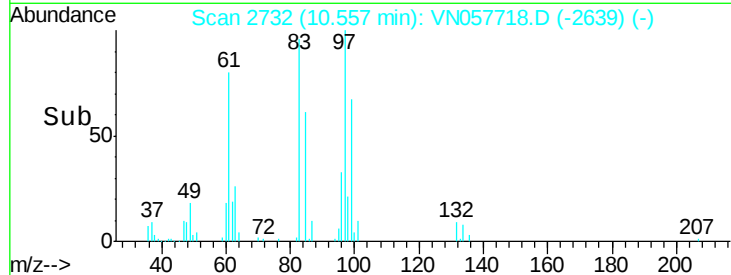
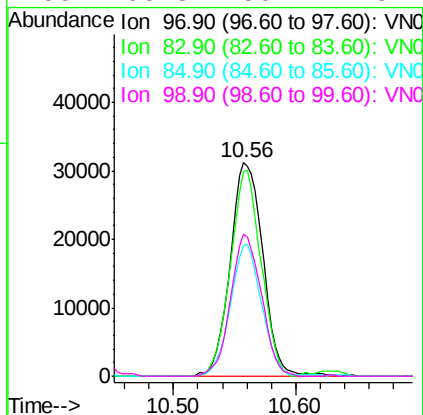
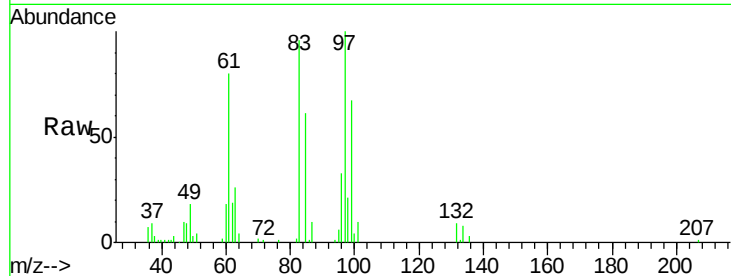
#55
 1,1,2-Trichloroethane
 Concen: 19.675 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion:	97	Resp:	58049
Ion	Ratio	Lower	Upper
97	100		
83	96.2	69.5	104.3
85	61.2	45.7	68.5
99	66.8	50.2	75.4

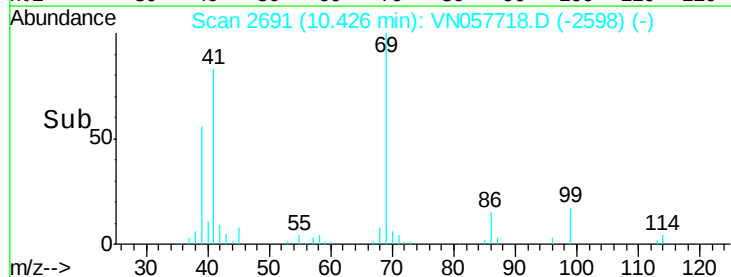
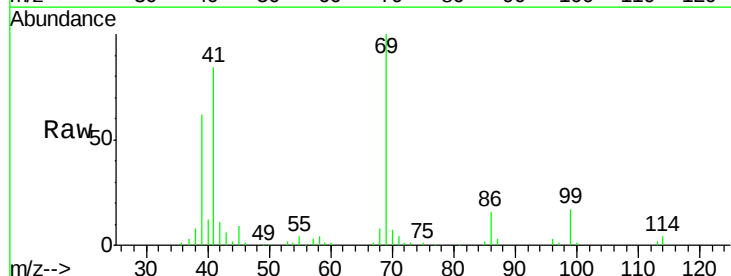
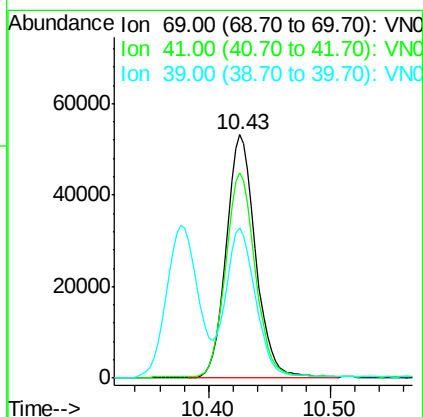
Manual Integrations
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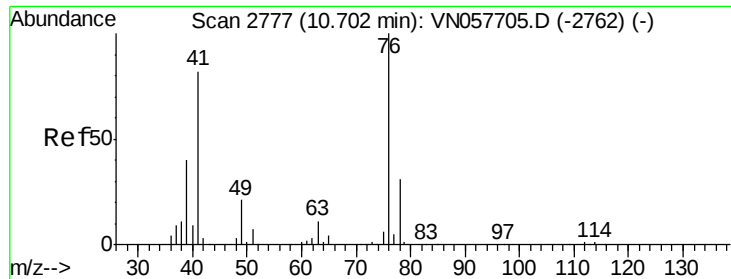
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#56
 Ethyl methacrylate
 Concen: 19.087 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion:	69	Resp:	89885
Ion	Ratio	Lower	Upper
69	100		
41	83.5	69.0	103.4
39	62.4	49.2	73.8





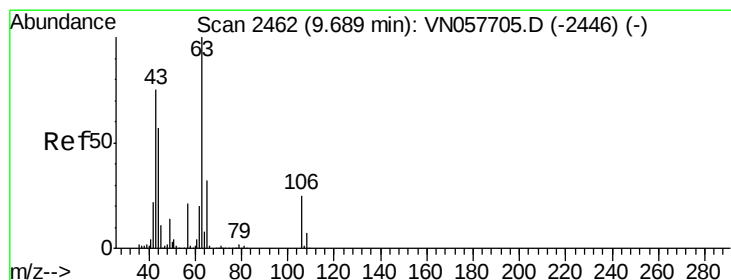
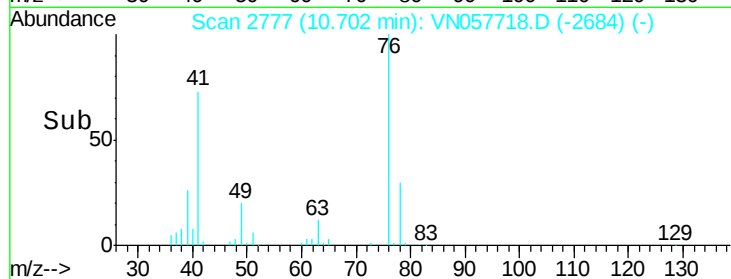
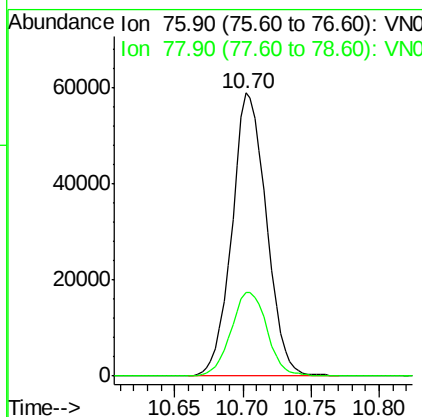
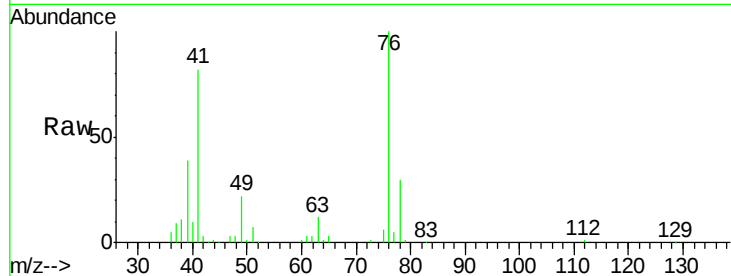
#57
 1,3-Dichloropropane
 Concen: 19.454 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.5	38.3

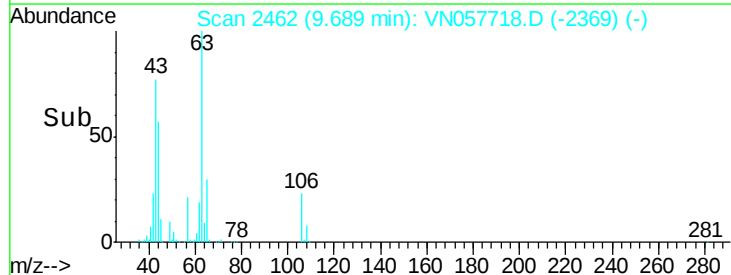
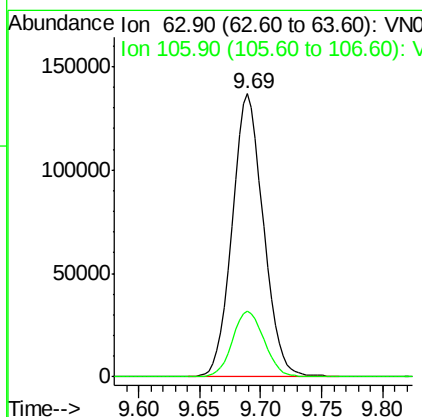
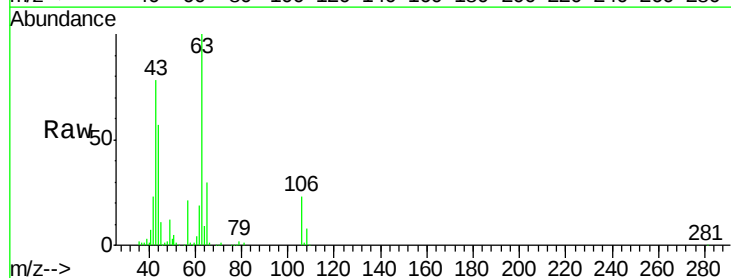
Manual Integrations
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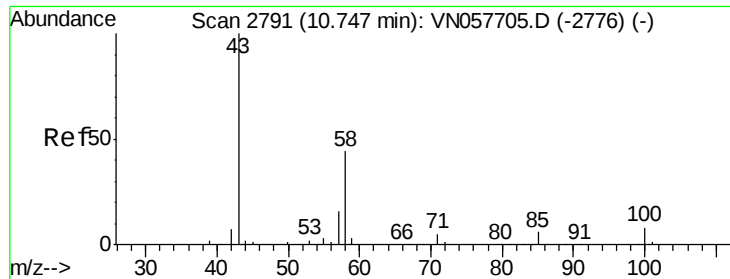
MMDadoda
 9/9/2019 1:11:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.796 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	19.4	29.2





#59

2-Hexanone

Concen: 101.583 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 43 Resp: 324194

Ion Ratio Lower Upper

43 100

58 45.0

22.1

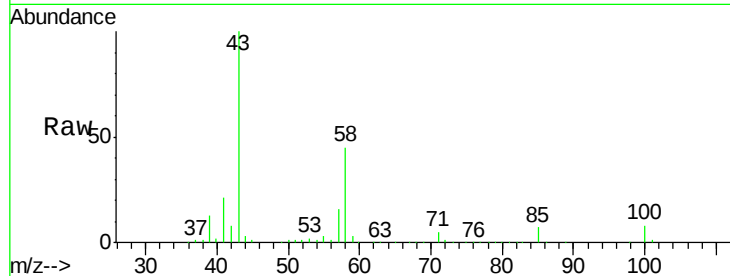
66.5

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Abundance Ion 43.00 (42.70 to 43.70): VN057718.D (-2698) (-)

Ion 58.00 (57.70 to 58.70): VN057718.D (-2698) (-)

200000

150000

100000

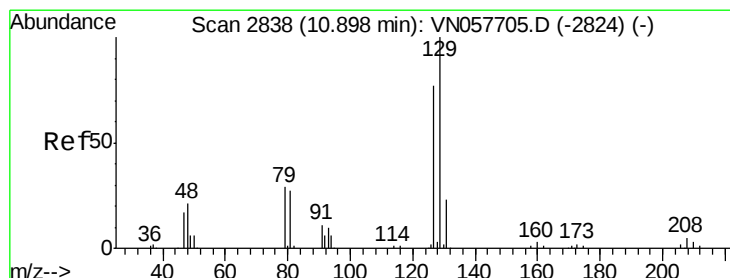
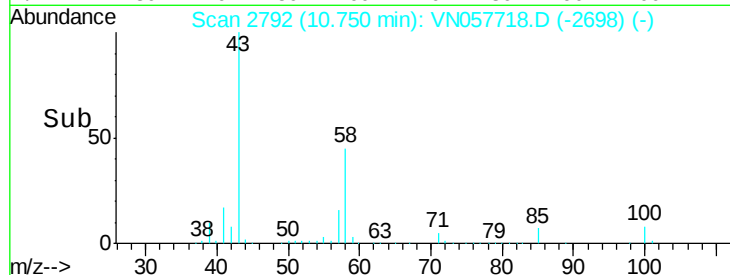
50000

0

10.70

10.80

Time-->



#60

Dibromochloromethane

Concen: 18.138 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion: 129 Resp: 53803

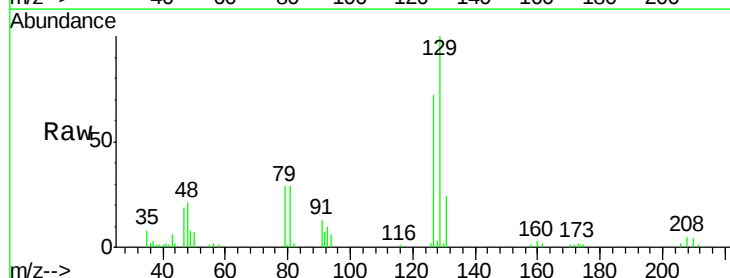
Ion Ratio Lower Upper

129 100

127 74.9

38.4

115.2



Abundance Ion 128.80 (128.50 to 129.50): VN057718.D (-2745) (-)

Ion 126.80 (126.50 to 127.50): VN057718.D (-2745) (-)

30000

20000

10000

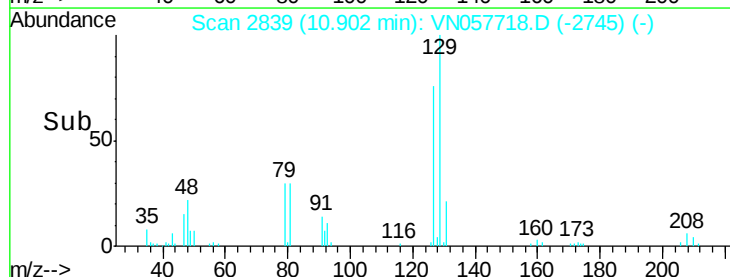
0

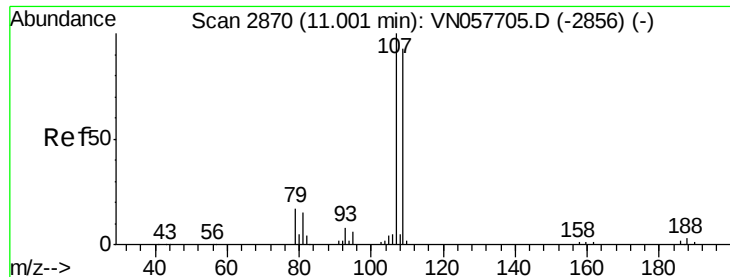
10.85

10.90

10.95

Time-->





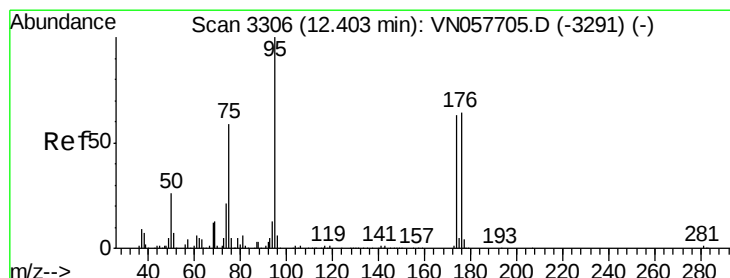
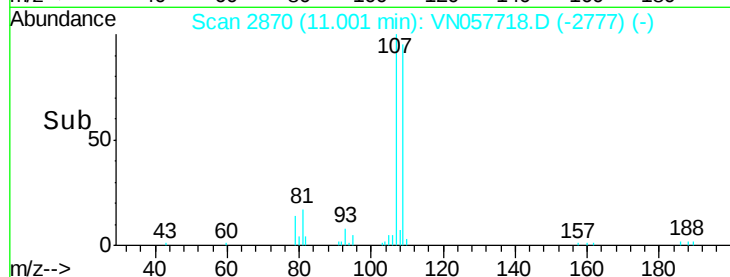
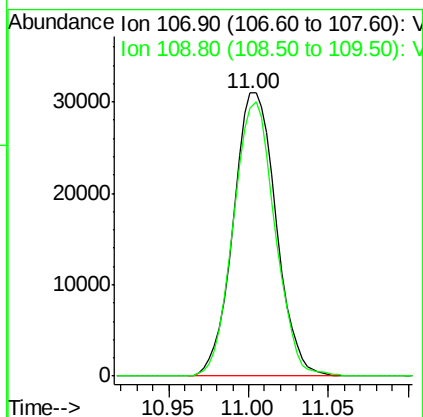
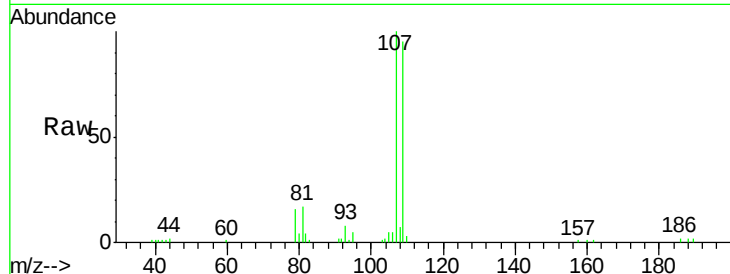
#61
 1,2-Dibromoethane
 Concen: 19.928 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.6	112.0

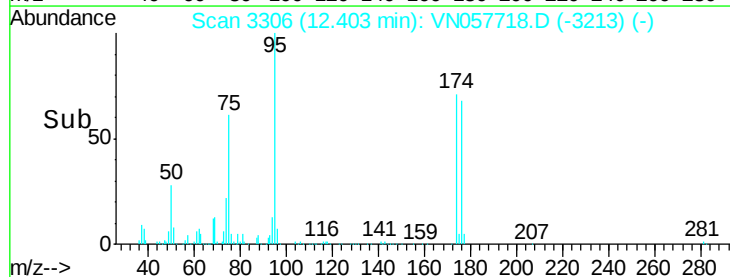
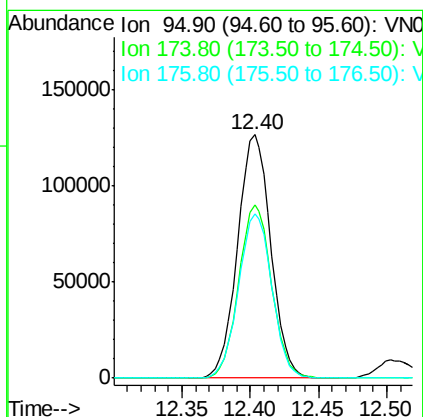
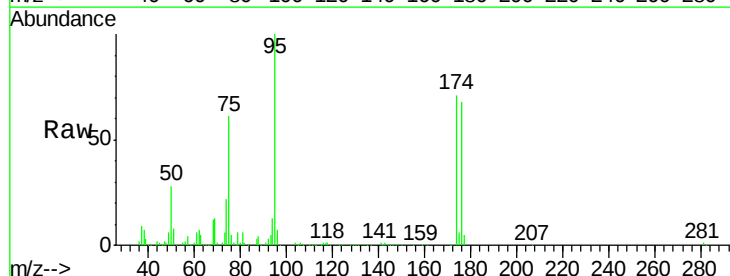
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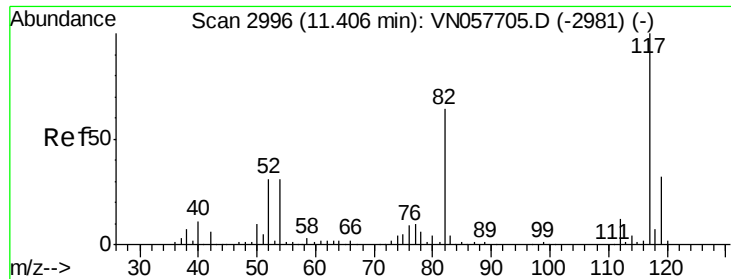
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#62
 4-Bromofluorobenzene
 Concen: 47.598 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	128.0
176	67.4	0.0	128.0





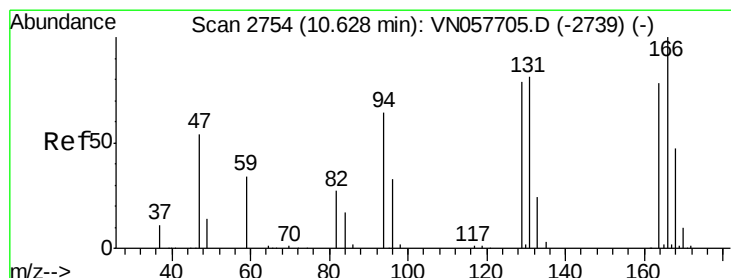
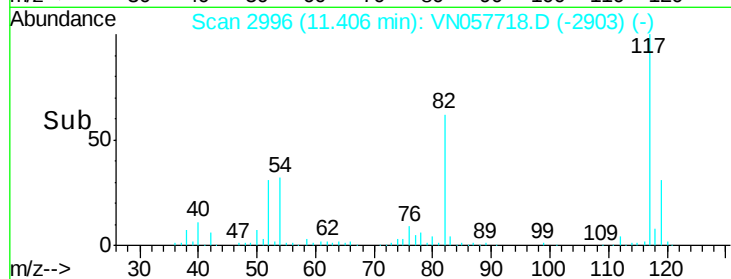
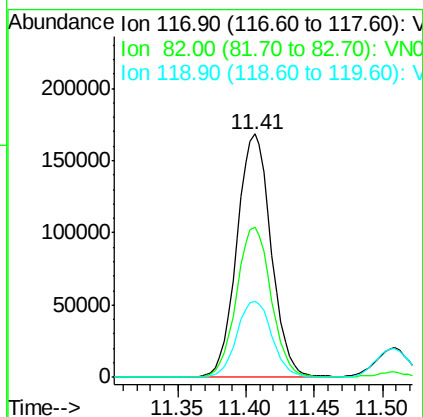
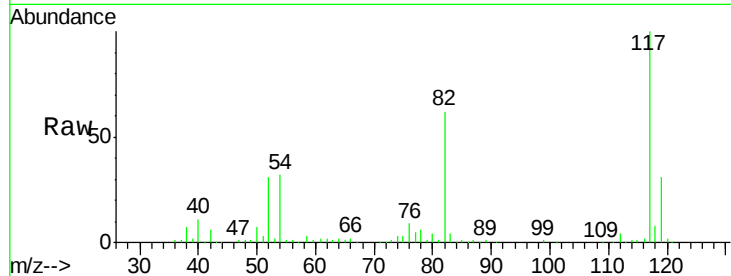
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	51.4	77.0
119	31.5	25.4	38.2

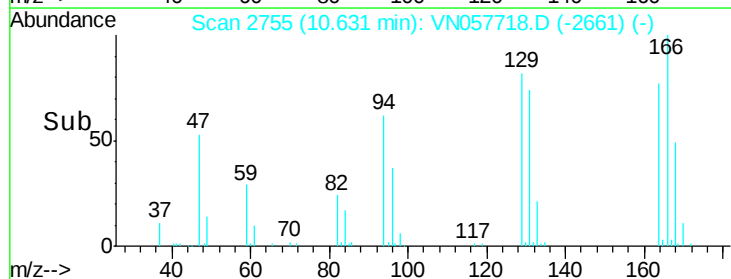
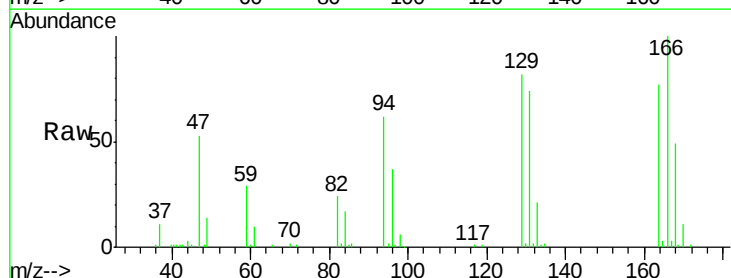
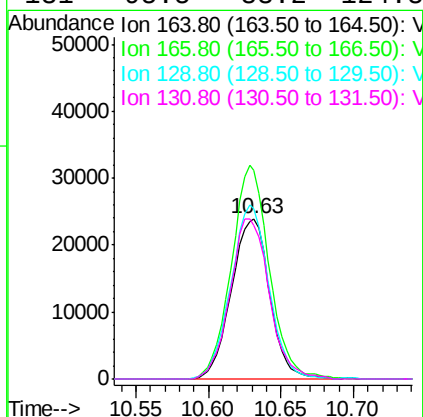
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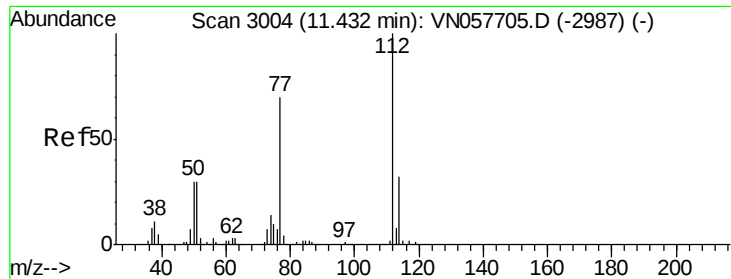
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#64
Tetrachloroethene
Concen: 19.060 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.0	154.6
129	105.9	81.1	121.7
131	95.5	83.2	124.8





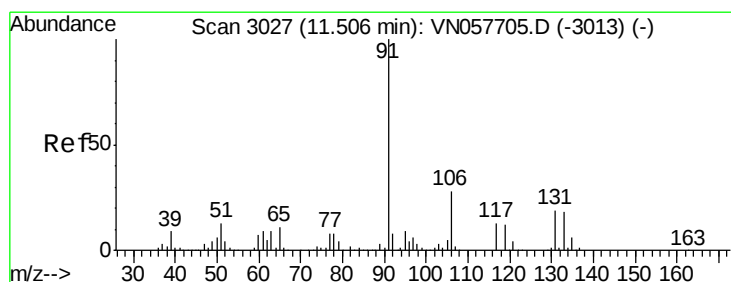
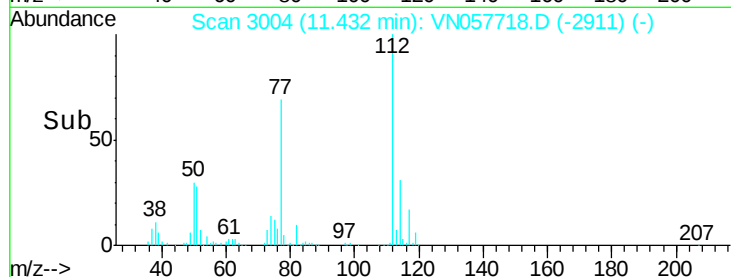
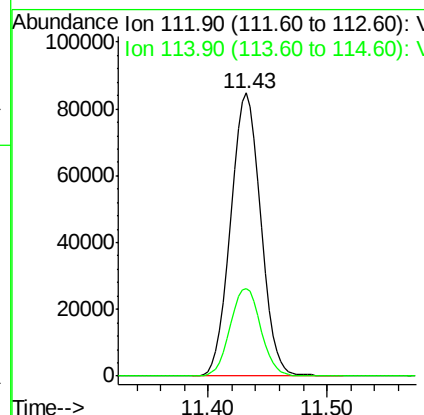
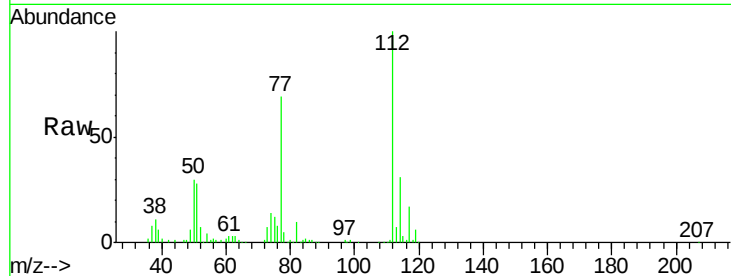
#65
Chlorobenzene
Concen: 19.330 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion:112 Resp: 148484
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.8

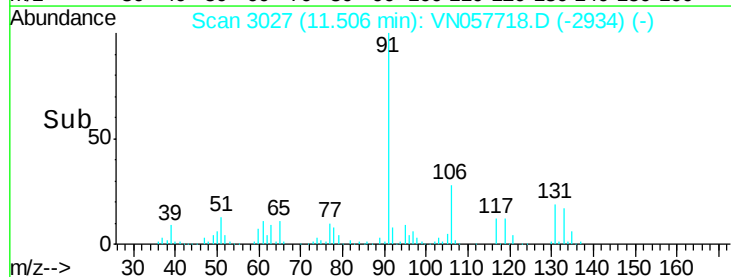
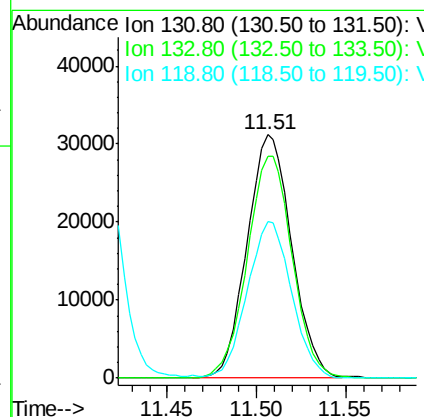
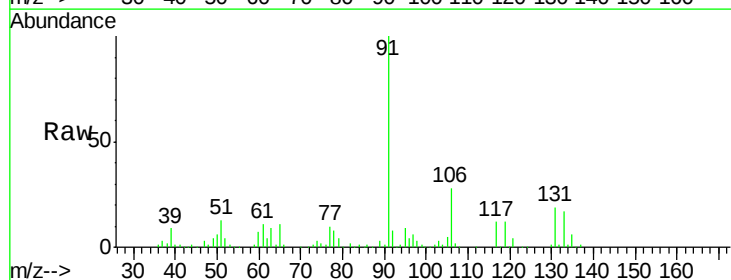
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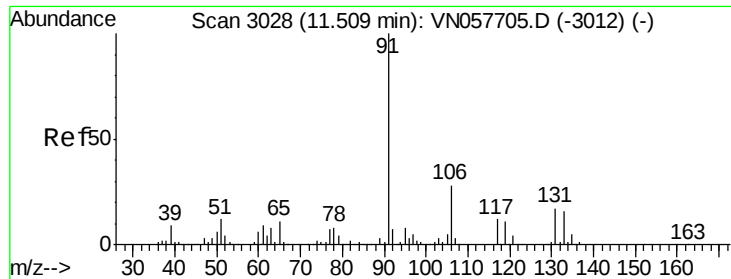
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.413 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion:131 Resp: 54561
Ion Ratio Lower Upper
131 100
133 92.2 47.6 142.9
119 63.9 32.8 98.3





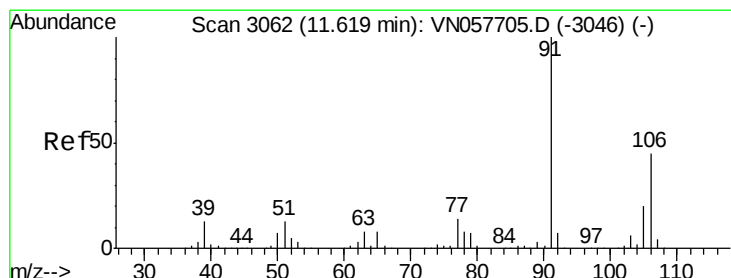
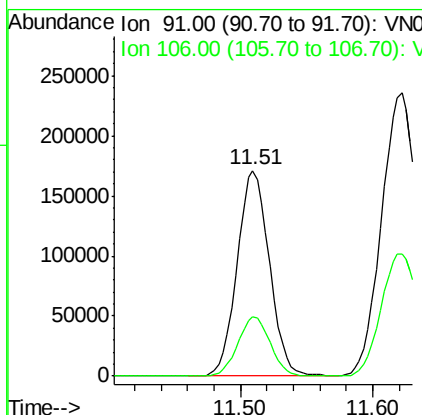
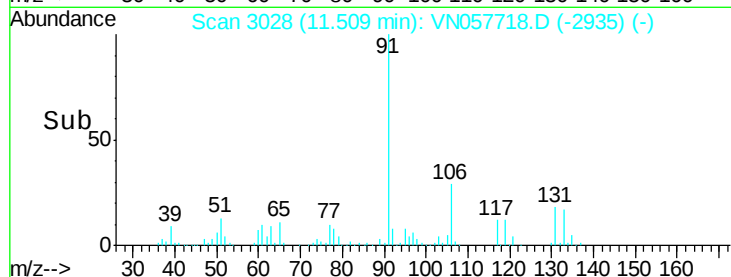
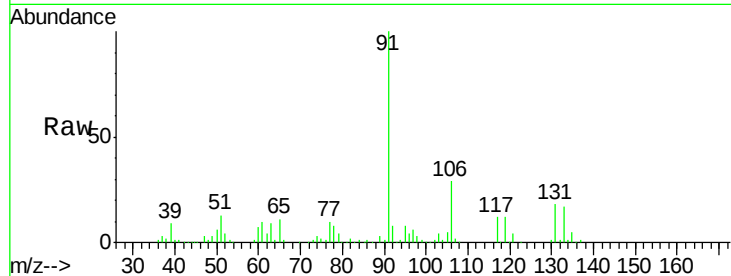
#67
Ethyl Benzene
Concen: 19.490 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion: 91 Resp: 288852
Ion Ratio Lower Upper
91 100
106 29.0 22.8 34.2

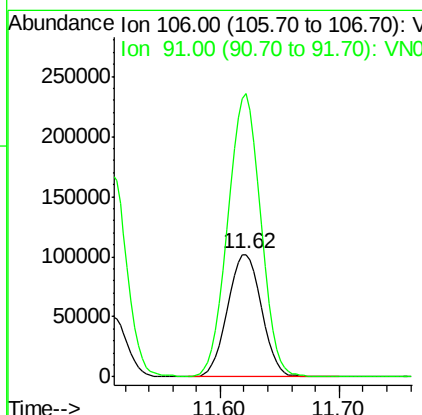
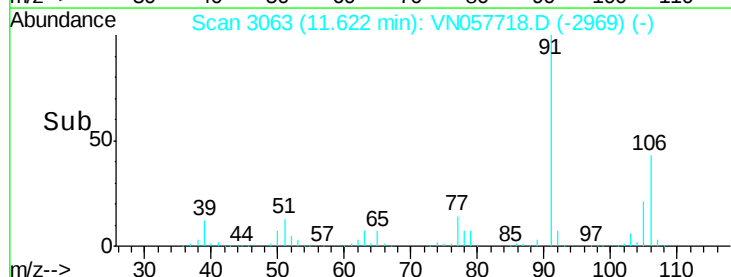
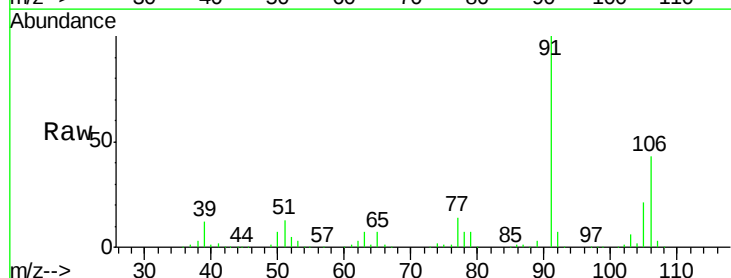
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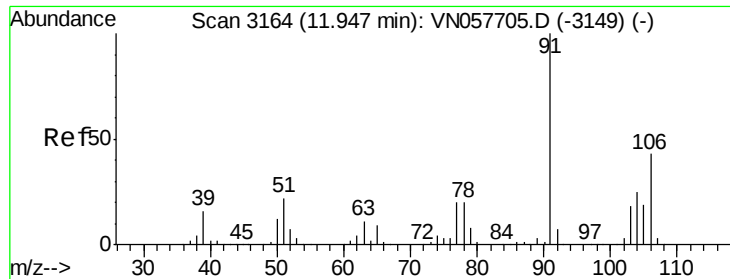
MMDadoda
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#68
m/p-Xylenes
Concen: 39.476 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion: 106 Resp: 201513
Ion Ratio Lower Upper
106 100
91 223.8 179.8 269.8





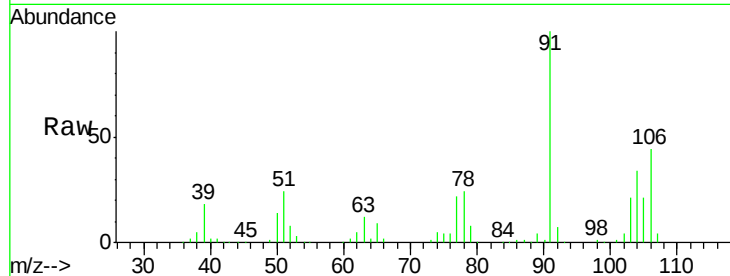
#69
o-Xylene
Concen: 20.019 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

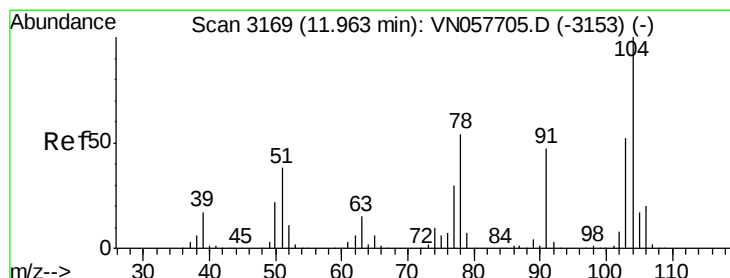
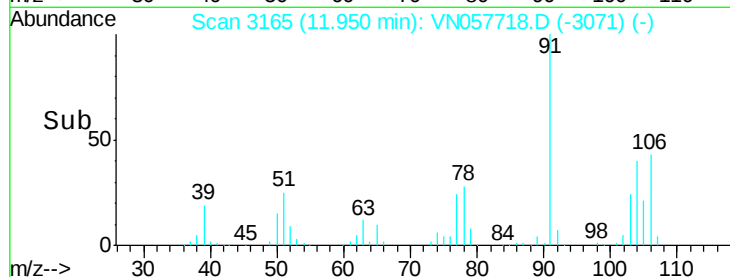
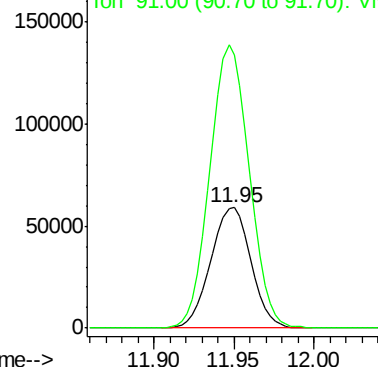
Tot Ion:106 Resp: 101187
Ion Ratio Lower Upper
106 100
91 230.3 116.8 350.4

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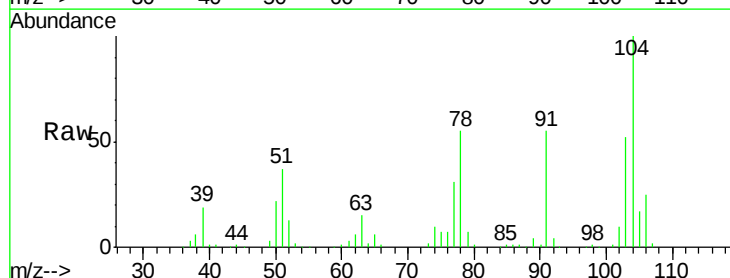


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

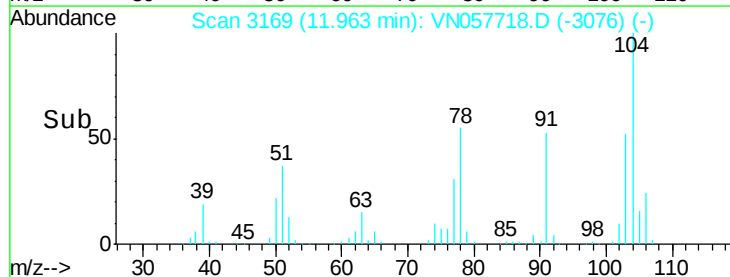
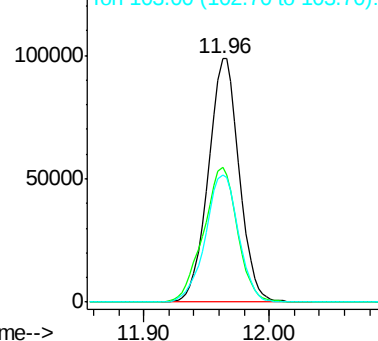


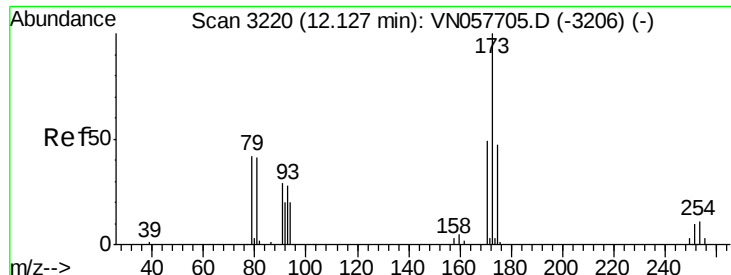
#70
Styrene
Concen: 19.309 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion:104 Resp: 168876
Ion Ratio Lower Upper
104 100
78 60.7 48.5 72.7
103 56.0 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





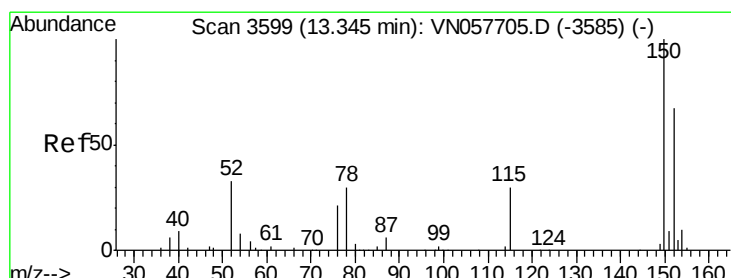
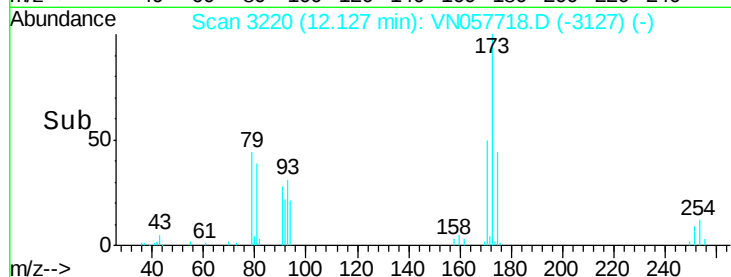
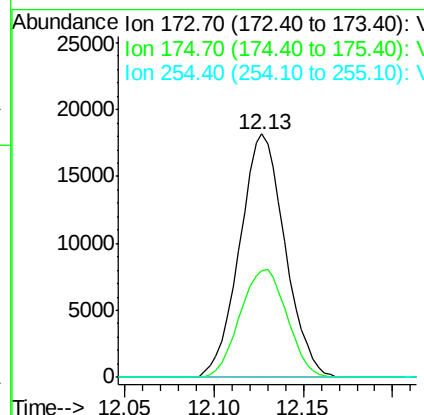
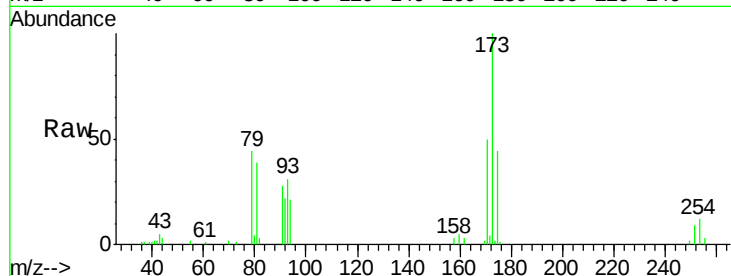
#71
Bromoform
Concen: 18.360 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.6	73.8
254	0.0	0.0	0.0

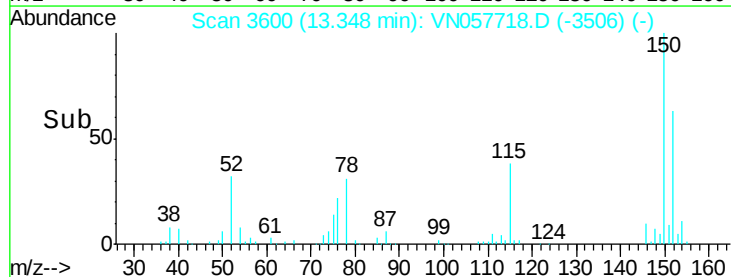
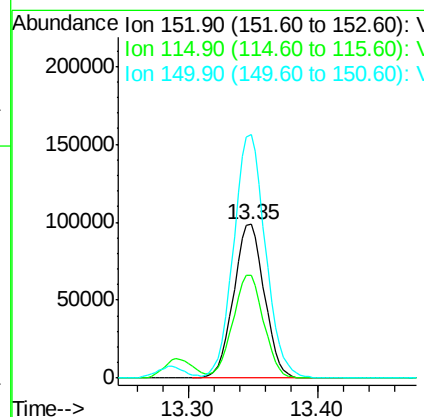
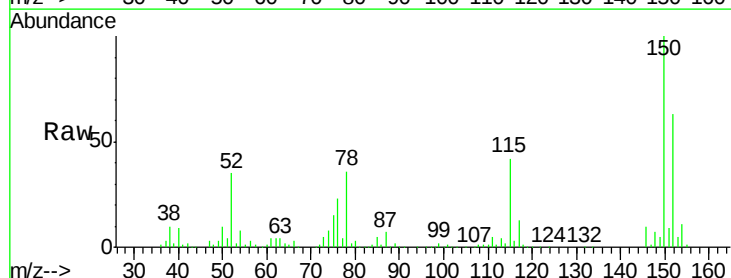
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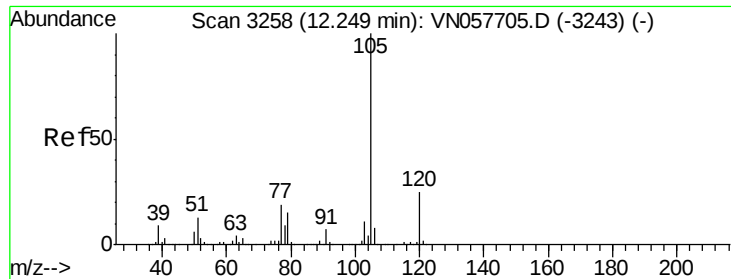
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.7	33.8	101.3
150	163.7	0.0	345.4





#73

Isopropylbenzene

Concen: 19.414 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 105 Resp: 279959

Ion Ratio Lower Upper

105 100

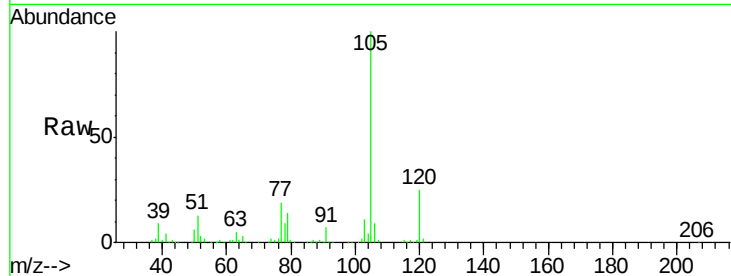
120 24.9 12.2 36.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

0

12.25

12.20

12.15

12.10

12.05

12.00

11.95

11.90

11.85

11.80

11.75

11.70

11.65

11.60

11.55

11.50

11.45

11.40

11.35

11.30

11.25

11.20

11.15

11.10

11.05

11.00

10.95

10.90

10.85

10.80

10.75

10.70

10.65

10.60

10.55

10.50

10.45

10.40

10.35

10.30

10.25

10.20

10.15

10.10

10.05

10.00

9.95

9.90

9.85

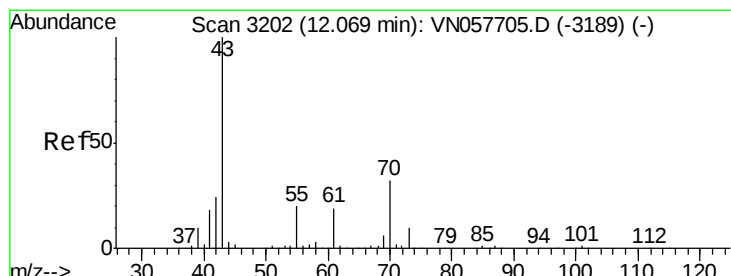
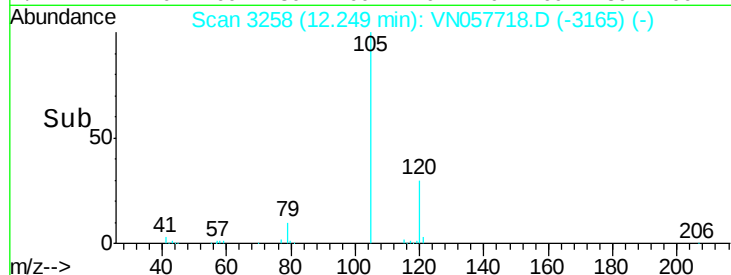
9.80

9.75

9.70

9.65

9.60



#74

N-ethyl acetate

Concen: 18.797 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion: 43 Resp: 135401

Ion Ratio Lower Upper

43 100

70 32.5 26.1 39.1

55 21.2 16.3 24.5

61 19.1 15.0 22.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

40000

20000

0

12.07

12.05

12.03

12.01

11.99

11.97

11.95

11.93

11.91

11.89

11.87

11.85

11.83

11.81

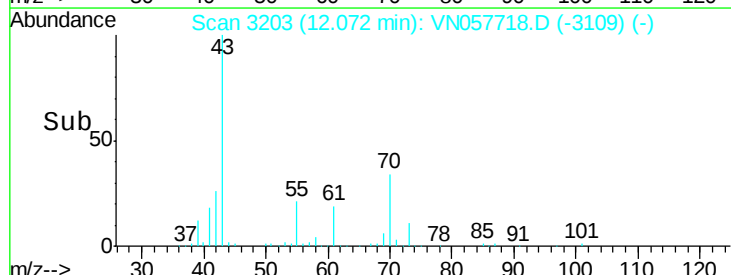
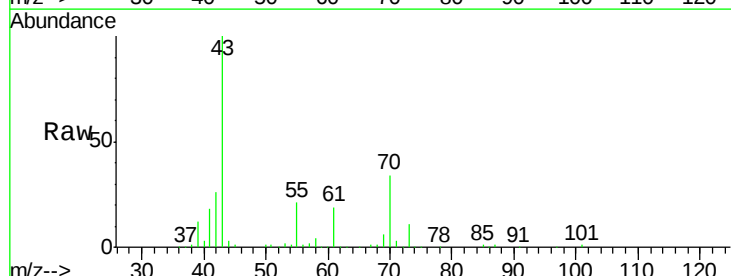
11.79

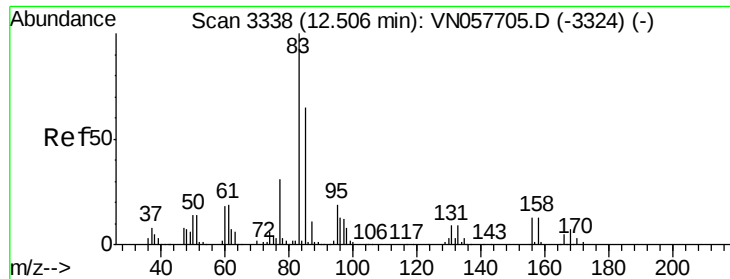
11.77

11.75

11.73

11.71





#75

1,1,2,2-Tetrachloroethane

Concen: 19.803 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

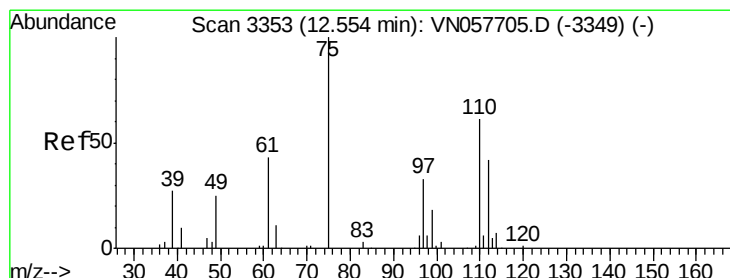
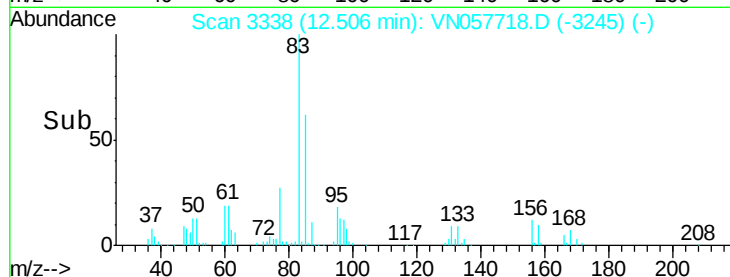
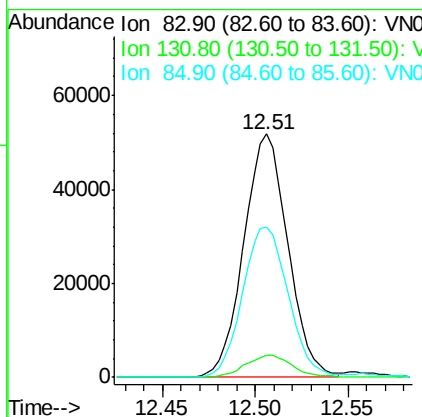
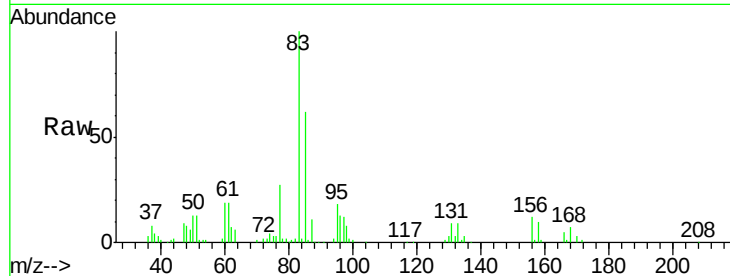
ClientSampleId :

VN0906WBSD01

Tot Ion:	83	Resp:	85630
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.5	13.5
85	64.0	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.467 ug/l m

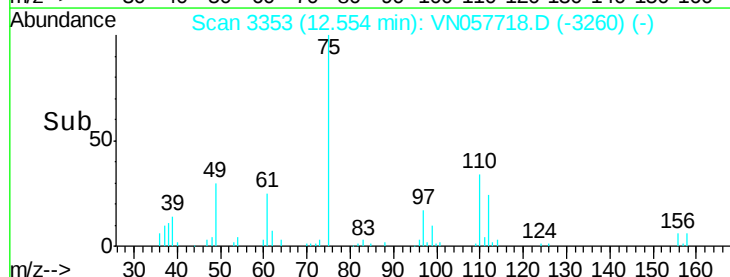
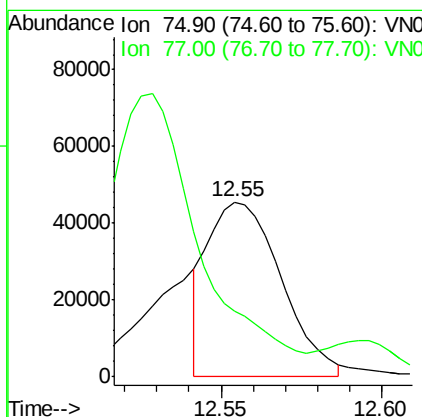
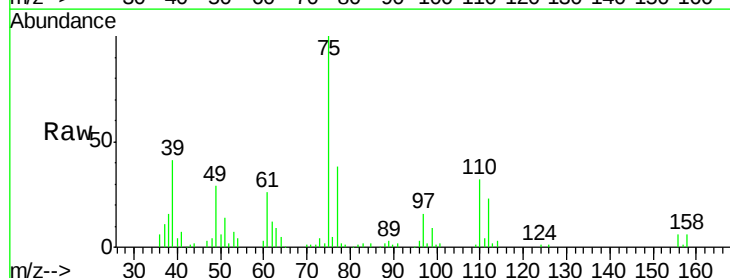
RT: 12.55 min Scan# 3353

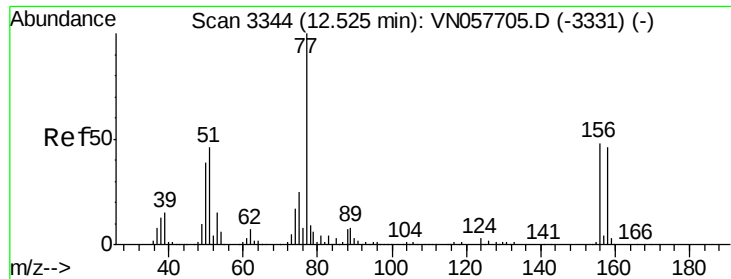
Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion:	75	Resp:	72913
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.366 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion:156 Resp: 63803

Ion Ratio Lower Upper

156 100

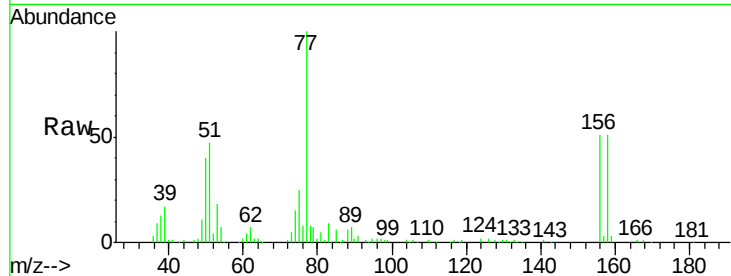
77 236.9 125.4 376.2

158 97.6 49.3 147.9

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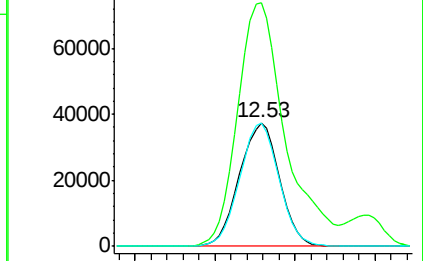
9/9/2019 1:11:07 PM



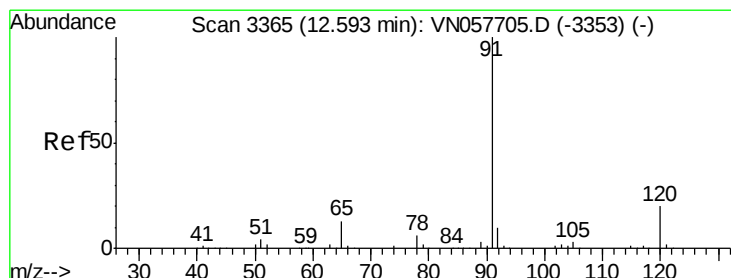
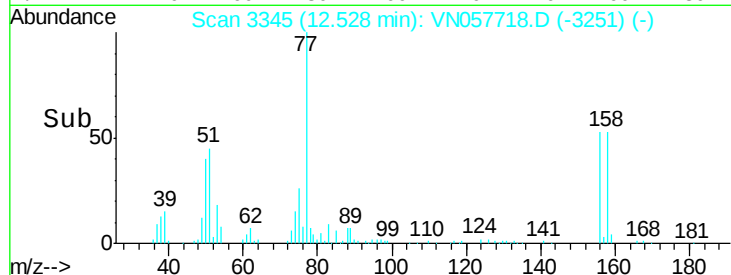
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.326 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057718.D

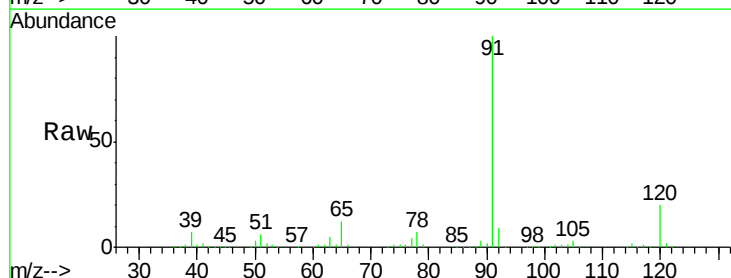
Acq: 6 Sep 2019 17:31

Tgt Ion: 91 Resp: 331096

Ion Ratio Lower Upper

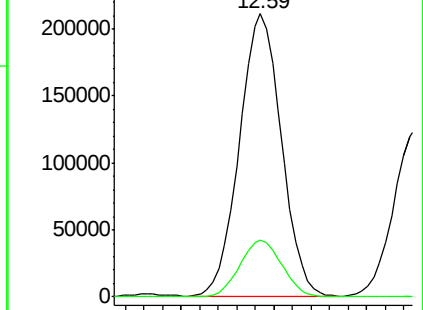
91 100

120 20.3 10.0 30.0

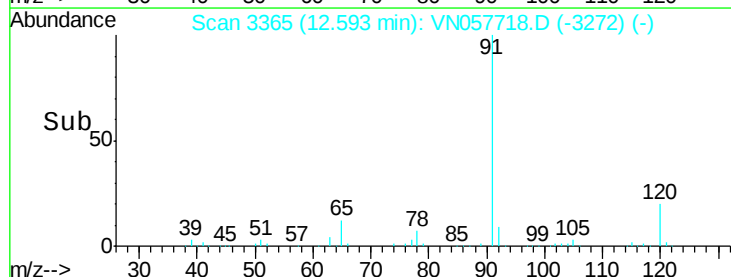


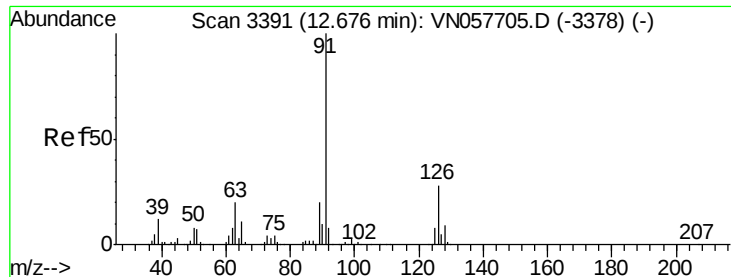
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 19.538 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBSD01

Tot Ion: 91 Resp: 203772

Ion Ratio Lower Upper

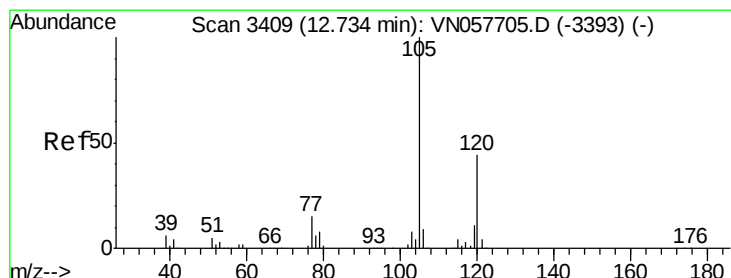
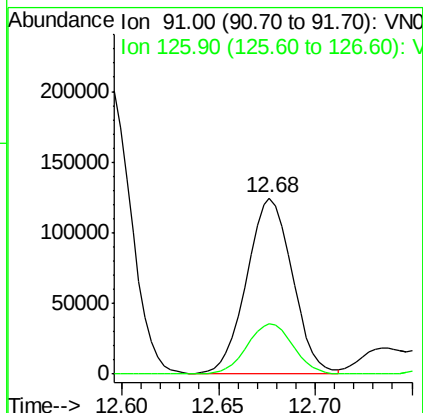
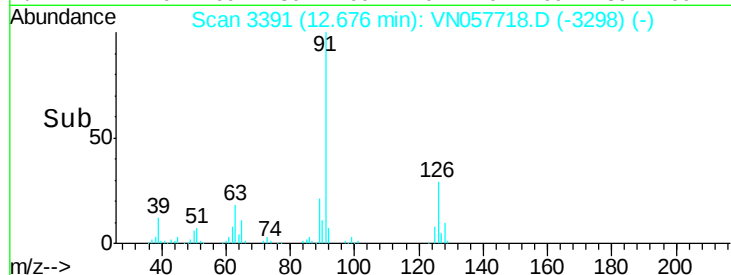
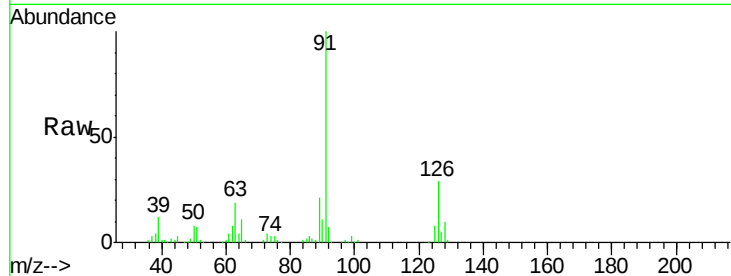
91 100

126 29.5 14.5 43.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.489 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057718.D

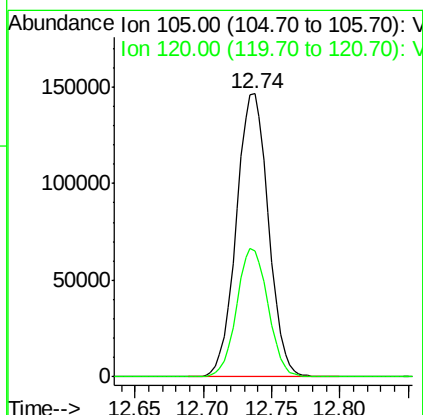
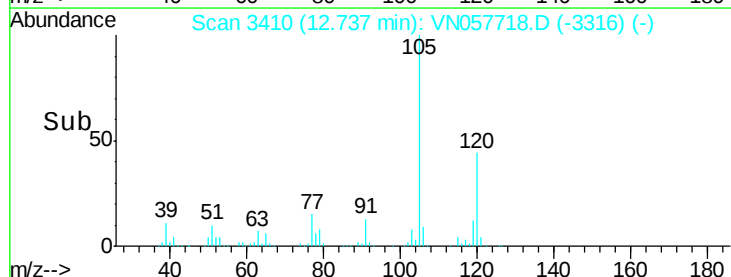
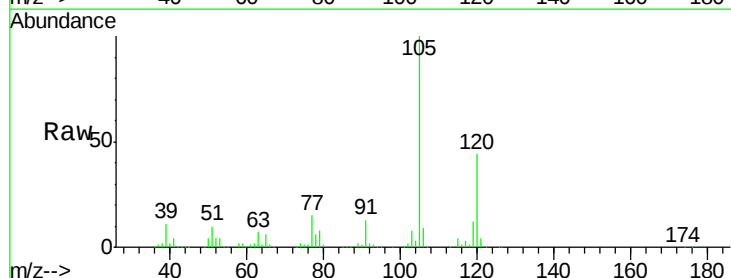
Acq: 6 Sep 2019 17:31

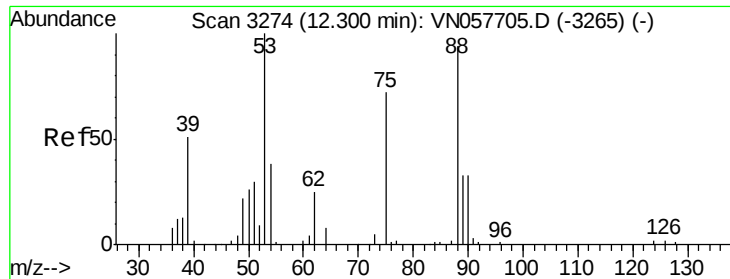
Tgt Ion: 105 Resp: 238727

Ion Ratio Lower Upper

105 100

120 44.4 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 15.860 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

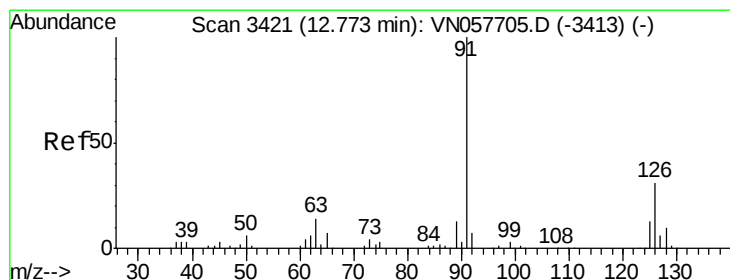
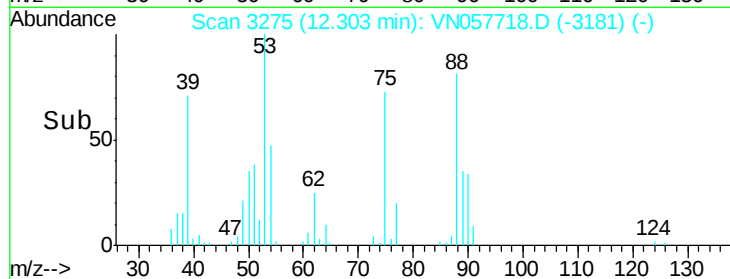
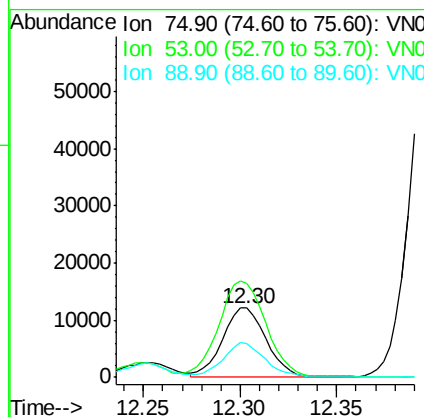
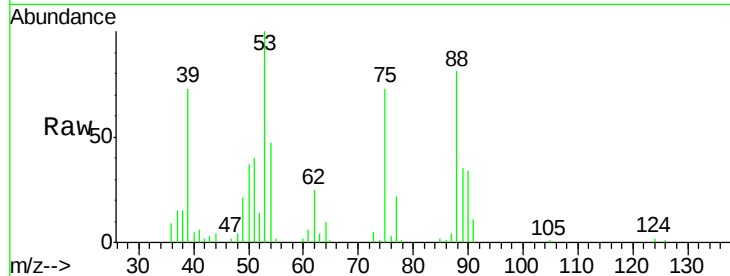
ClientSampleId :

VN0906WBSD01

Tot Ion:	75	Resp:	19101
Ion	Ratio	Lower	Upper
75	100		
53	151.7	107.0	160.6
89	47.2	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.058 ug/l

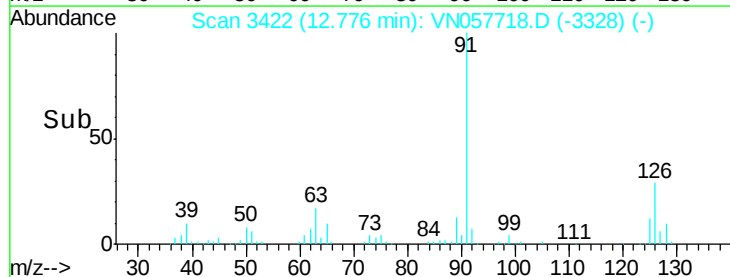
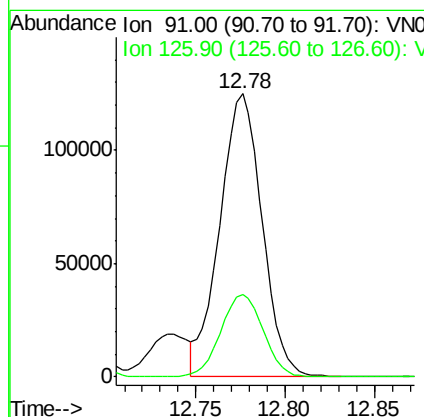
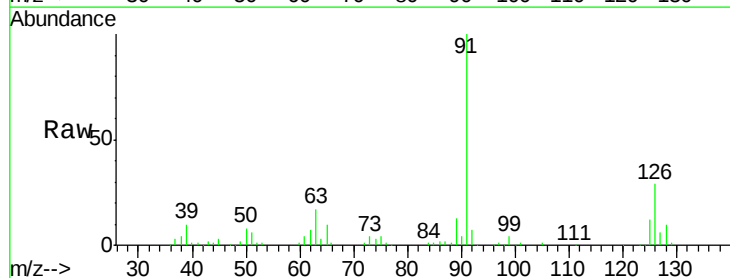
RT: 12.78 min Scan# 3422

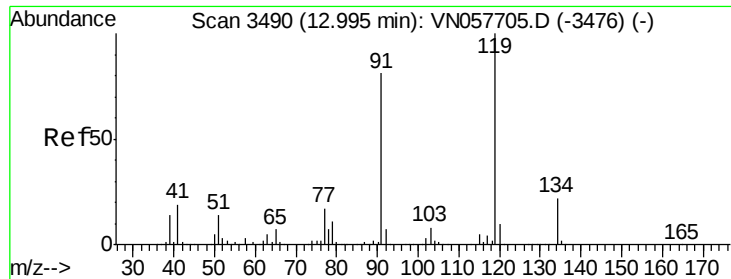
Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion:	91	Resp:	204711
Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.4	43.4





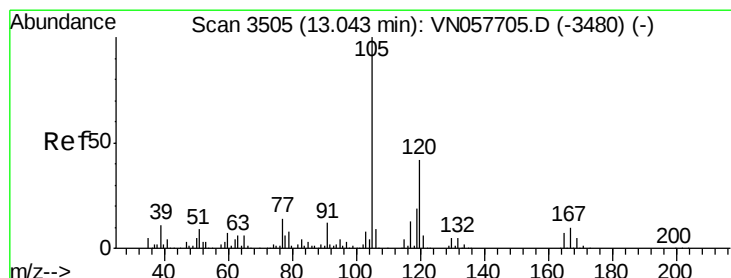
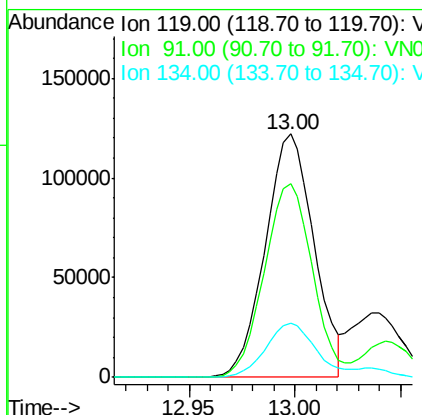
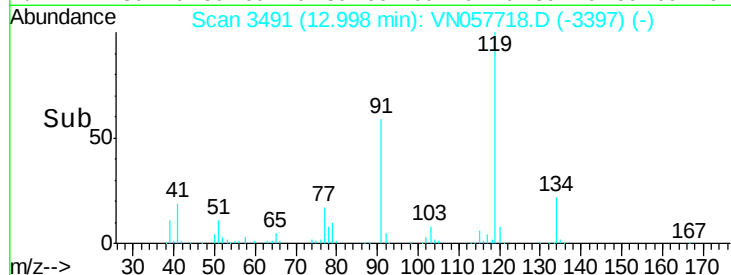
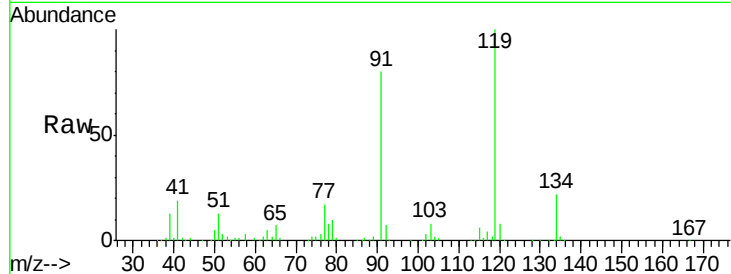
#83
 tert-Butylbenzene
 Concen: 18.980 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.6	39.6	118.8
134	23.0	11.3	33.8

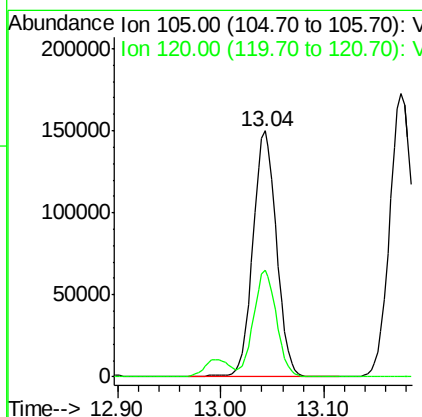
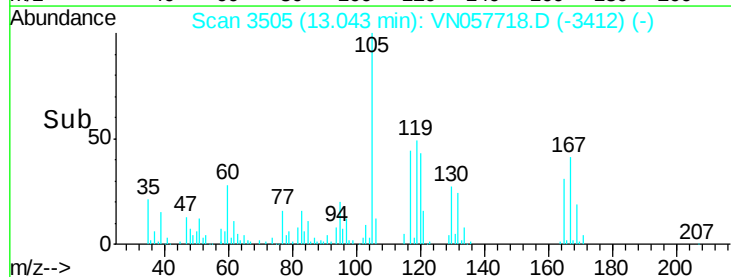
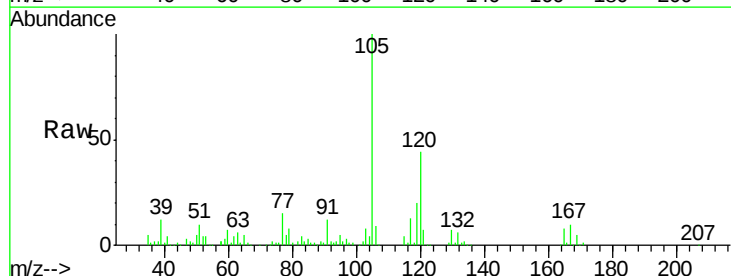
Manual Integrations
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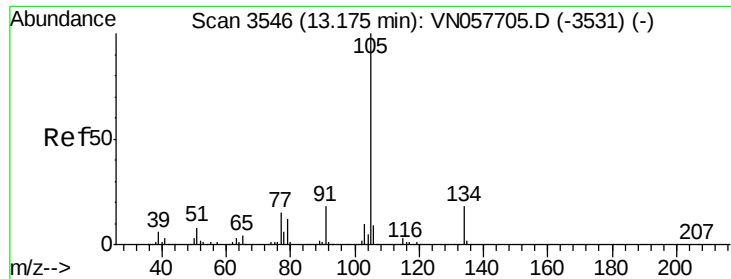
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.533 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.3	20.8	62.5





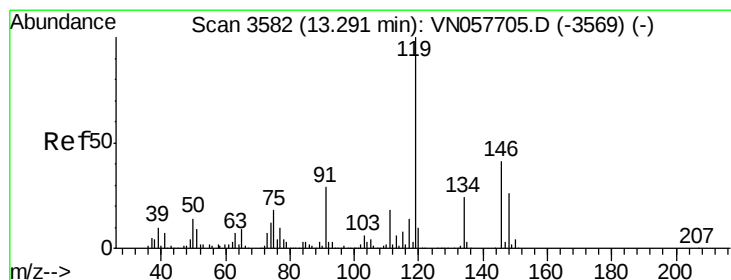
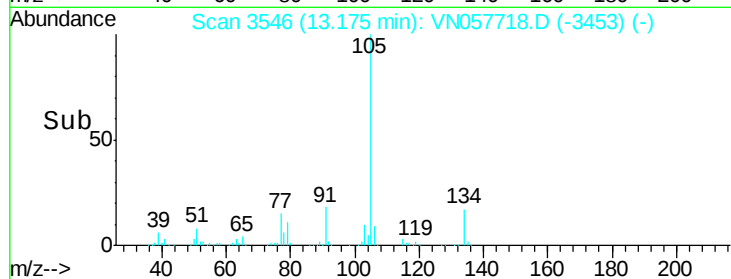
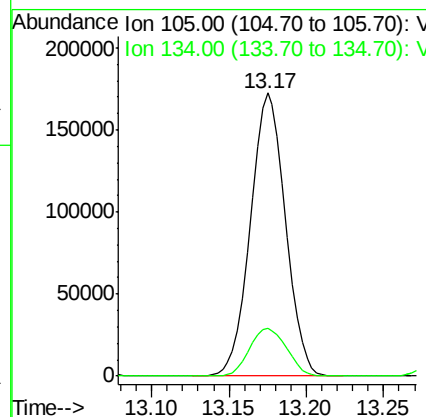
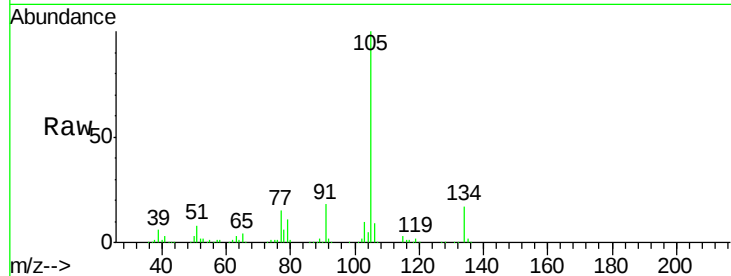
#85
 sec-Butylbenzene
 Concen: 19.119 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	271995		
134	17.9	8.8	26.5	

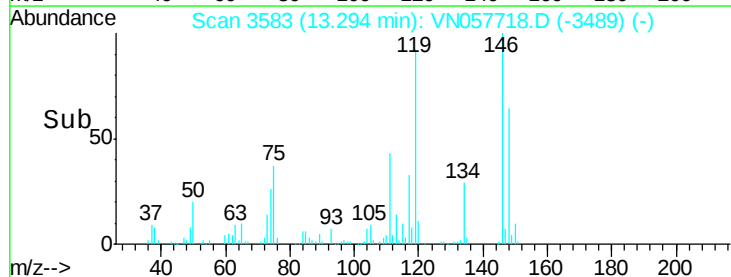
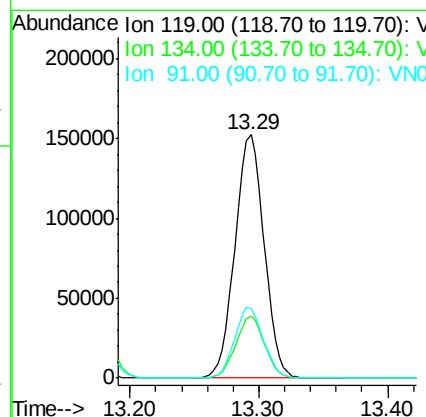
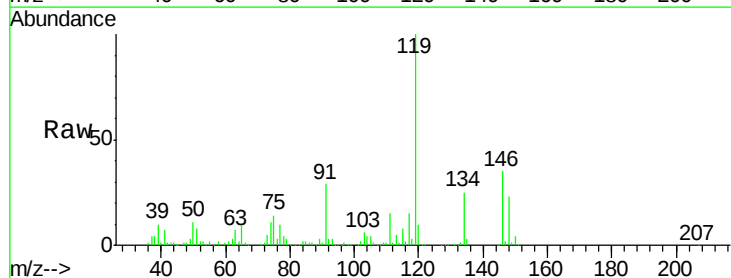
Manual Integrations
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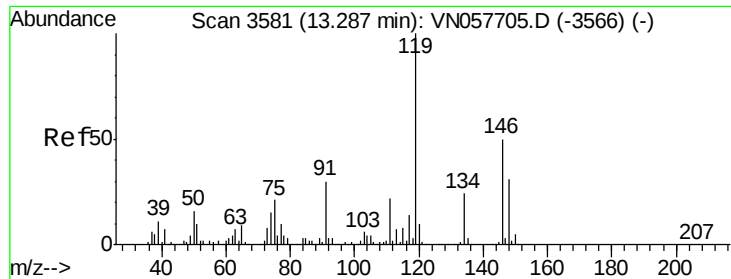
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#86
 p-Isopropyltoluene
 Concen: 19.865 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	239516		
134	24.9	12.4	37.0	
91	28.6	14.8	44.3	





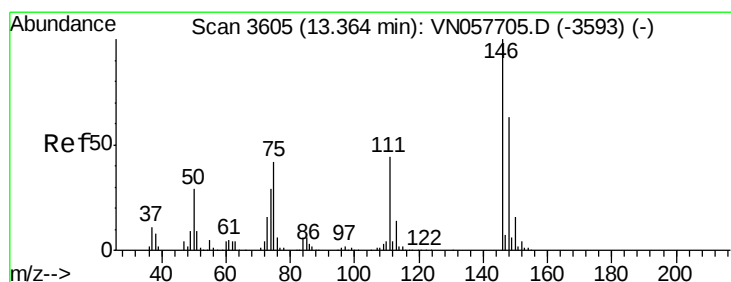
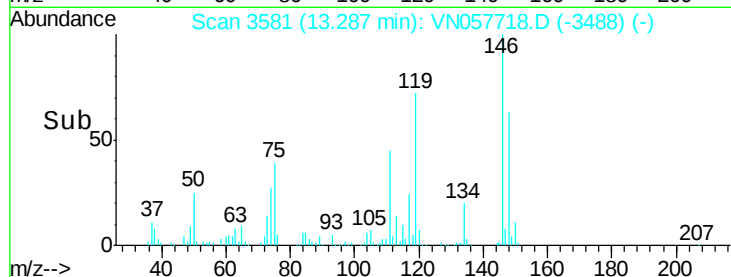
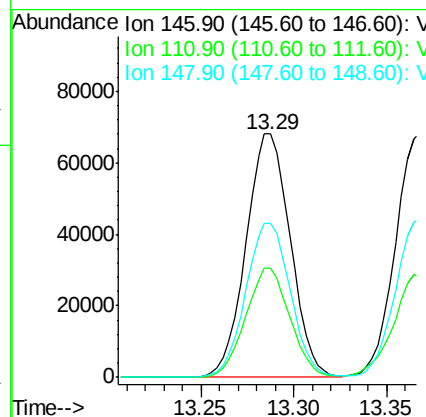
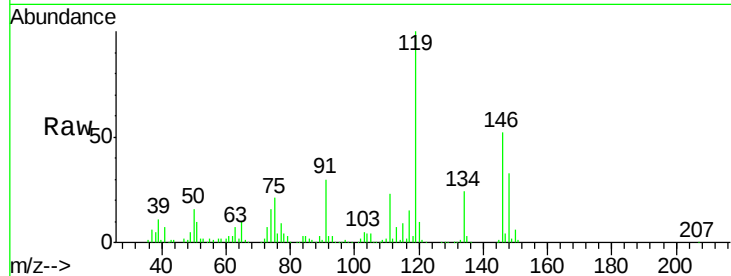
#87
 1,3-Dichlorobenzene
 Concen: 19.254 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112759		
111	44.8	22.3	66.8	
148	63.7	31.5	94.5	

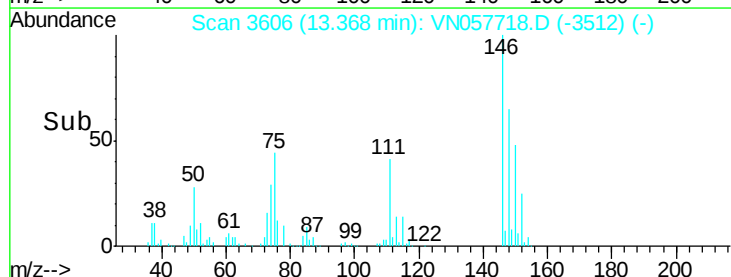
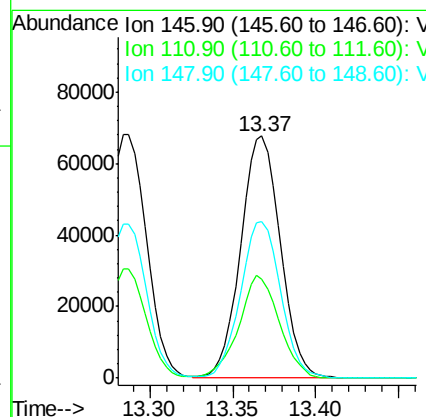
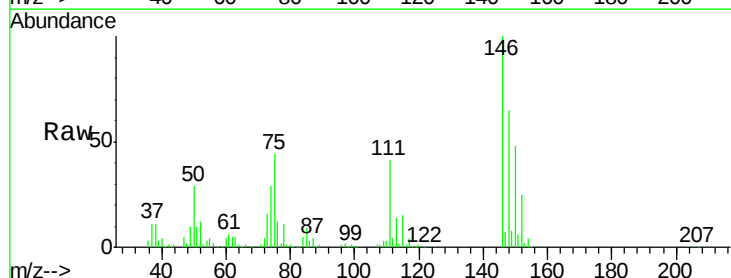
Manual Integrations
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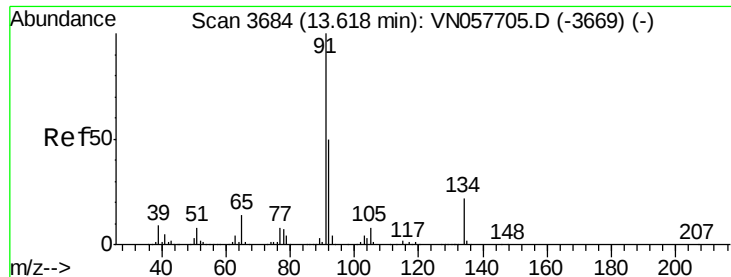
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 9/9/2019 1:11:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.176 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112346		
111	43.2	22.3	66.9	
148	65.9	31.9	95.7	





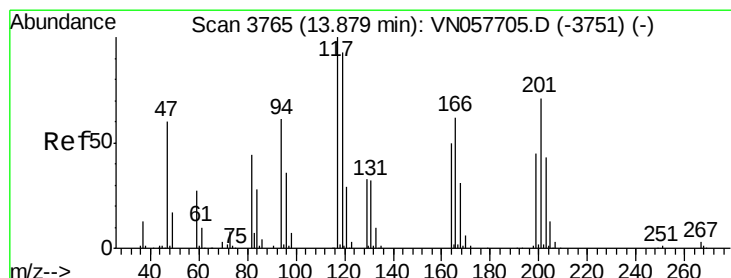
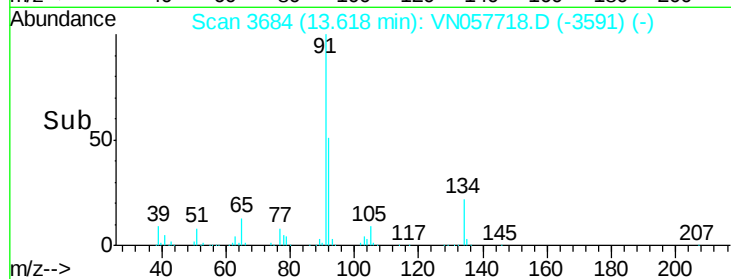
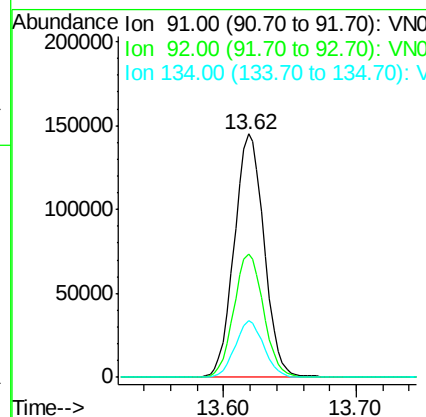
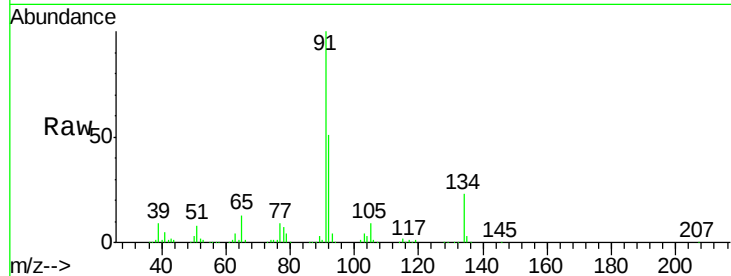
#89
n-Butylbenzene
Concen: 19.013 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.6	76.8
134	22.4	11.2	33.5

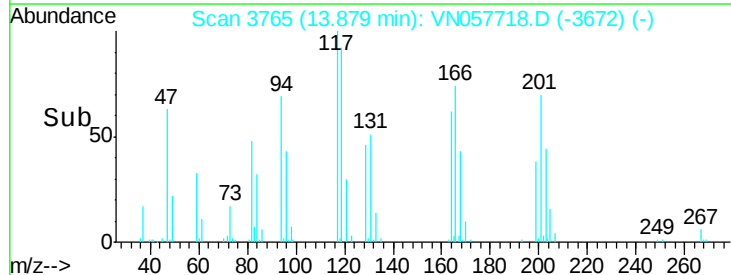
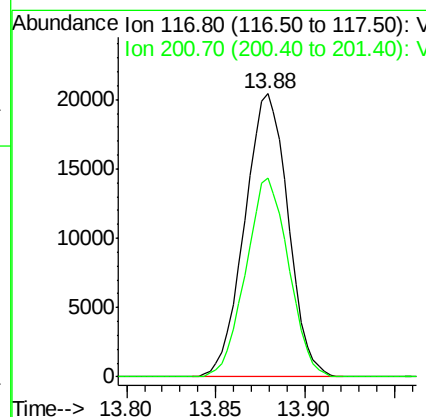
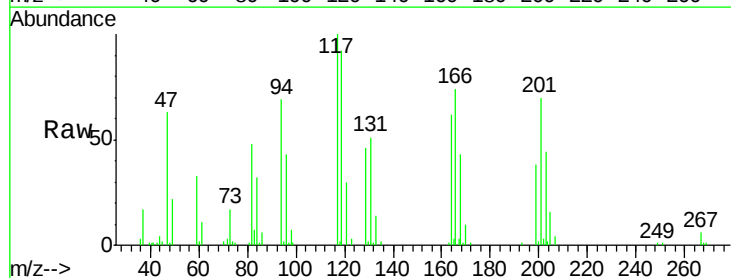
Manual Integrations
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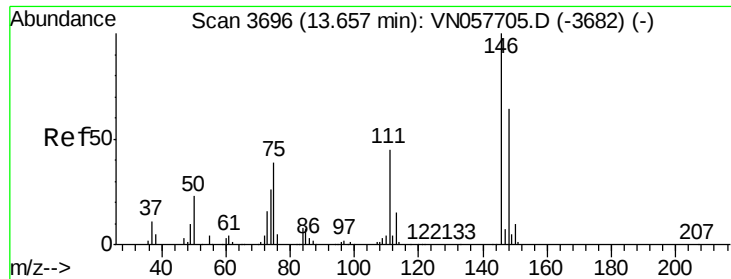
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#90
Hexachloroethane
Concen: 18.373 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057718.D
Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	36.4	109.2





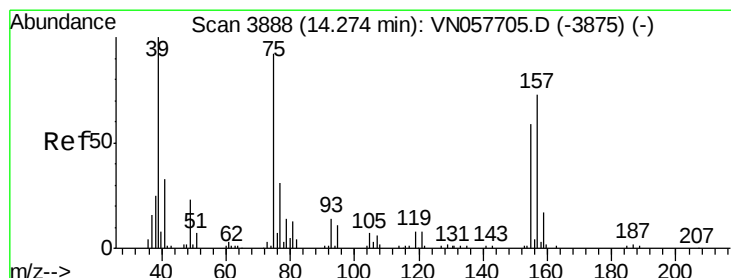
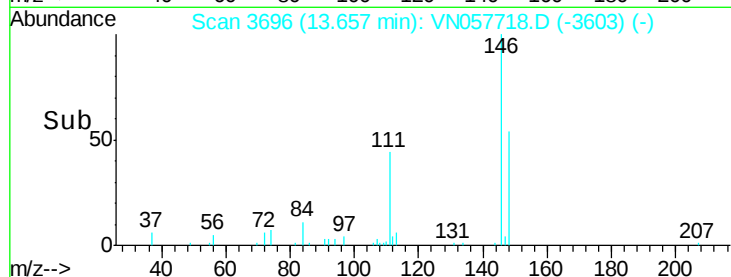
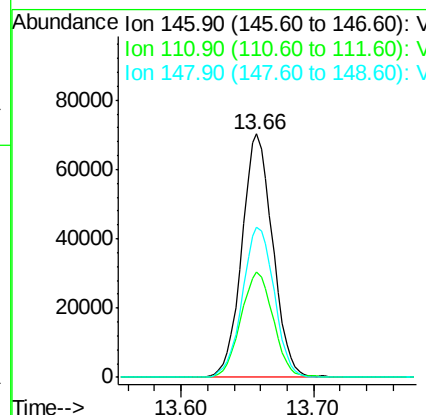
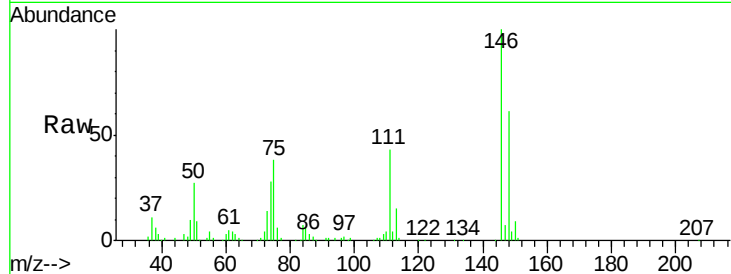
#91
 1,2-Dichlorobenzene
 Concen: 19.644 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.8	68.3
148	63.6	31.6	95.0

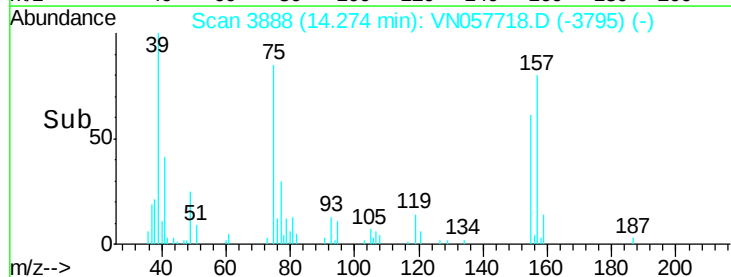
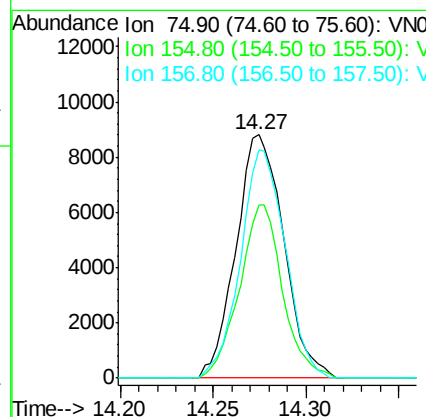
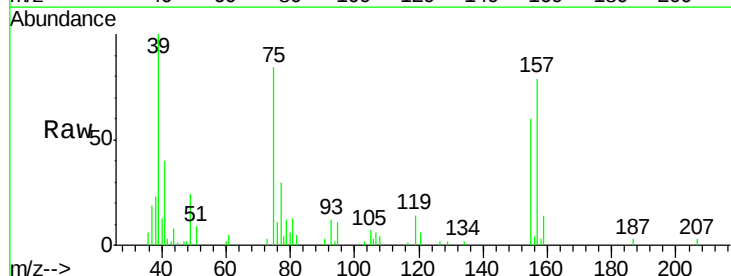
Manual Integrations
 APPROVED

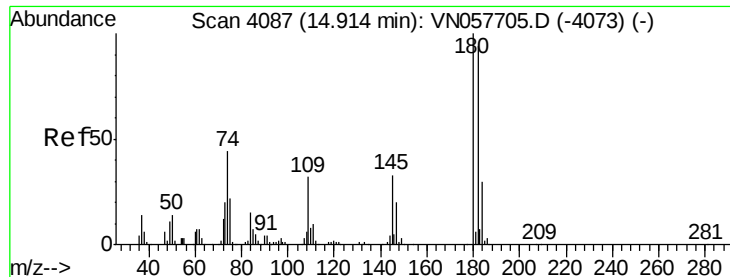
MMDadoda
 9/9/2019 1:11:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.497 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.3	30.1	90.5
157	87.9	38.1	114.5





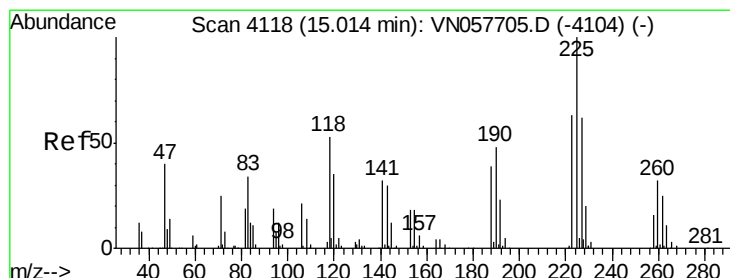
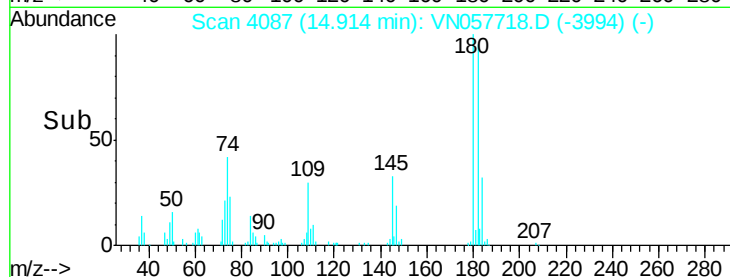
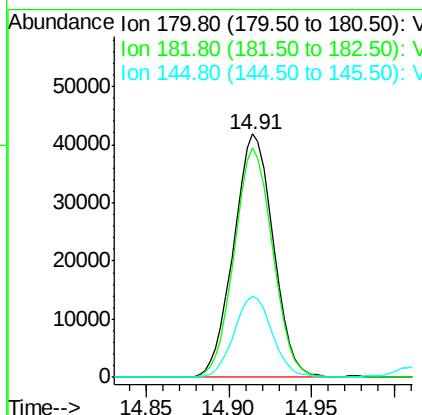
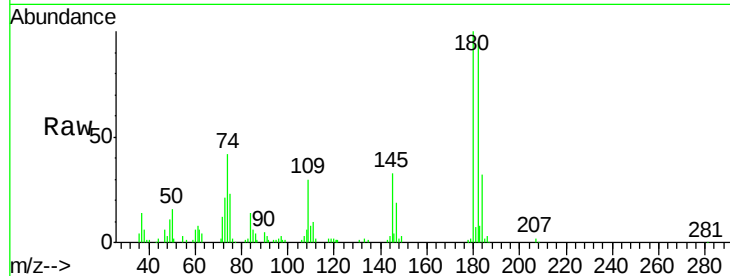
#93
 1,2,4-Trichlorobenzene
 Concen: 20.189 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.6	142.9
145	32.1	16.6	49.7

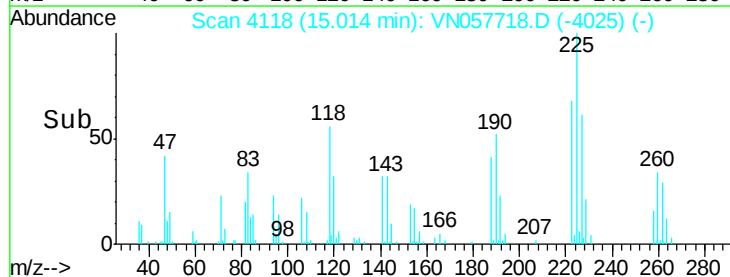
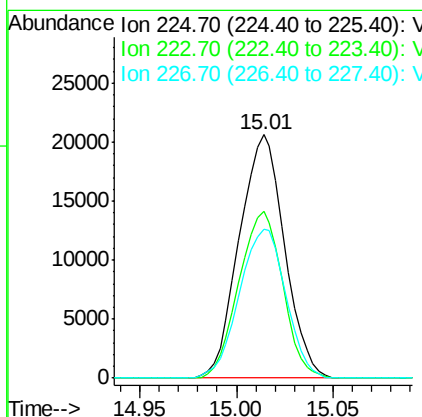
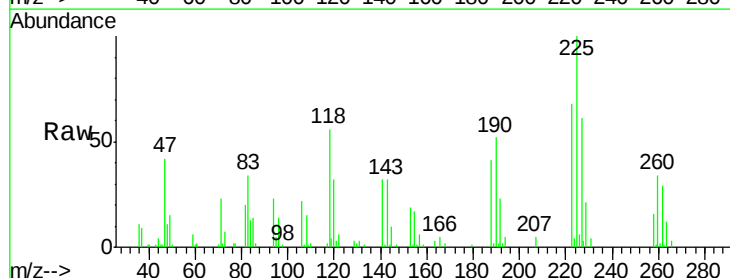
Manual Integrations
 APPROVED

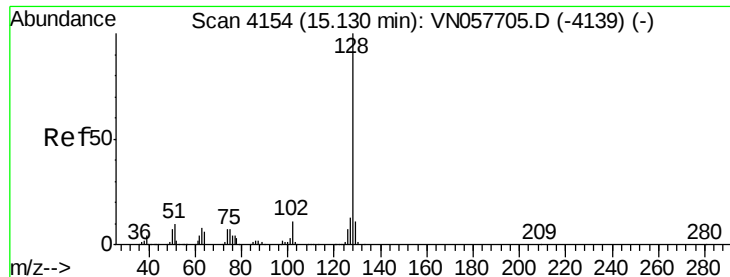
MMDadoda
 9/9/2019 1:11:07 PM



#94
 Hexachlorobutadiene
 Concen: 19.897 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057718.D
 Acq: 6 Sep 2019 17:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.4	31.6	95.0
227	62.9	31.7	95.1





#95

Naphthalene

Concen: 19.589 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Instrument :

MSVOA_N

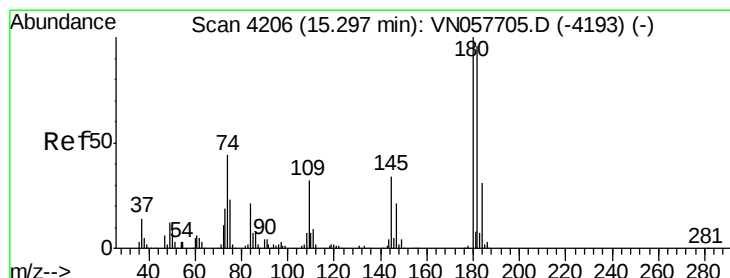
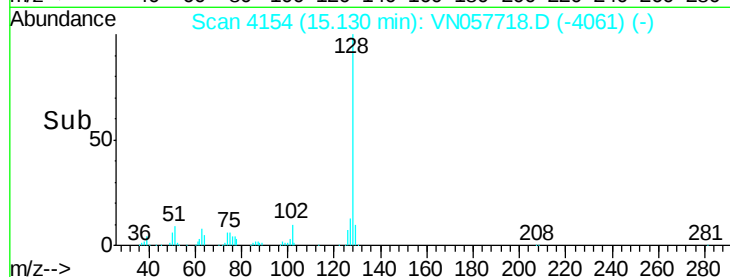
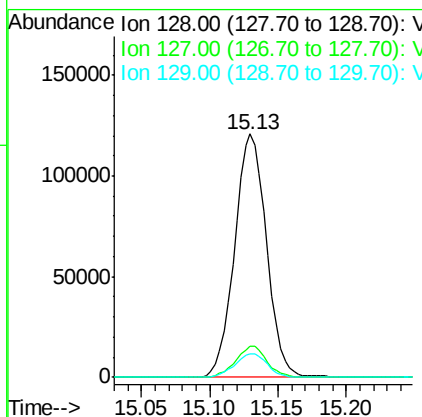
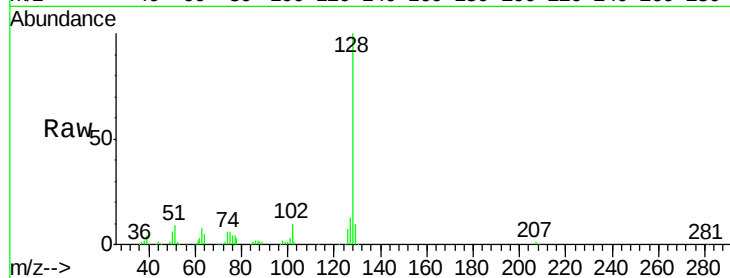
ClientSampleId :

VN0906WBSD01

Tot Ion:	128	Resp:	196037
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.6	15.8
129	9.9	8.4	12.6

Manual Integrations
APPROVED

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9/9/2019 1:11:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.431 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057718.D

Acq: 6 Sep 2019 17:31

Tgt Ion:	180	Resp:	67555
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.0	141.2
145	33.3	17.5	52.6

