

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057899.D
 Acq On : 11 Sep 2019 5:32
 Operator : JC/SP
 Sample : VN0911WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:07:01 AM

Quant Time: Sep 11 07:26:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	522950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	328482	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.58	113	234875	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.08	98	962531	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	329894	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86907	19.855	ug/l	99
3) Chloromethane	2.03	50	82841	18.569	ug/l	98
4) Vinyl Chloride	2.16	62	86444	18.308	ug/l	97
5) Bromomethane	2.54	94	45585	16.551	ug/l	95
6) Chloroethane	2.68	64	56465	18.767	ug/l	98
7) Trichlorofluoromethane	2.99	101	107754	18.135	ug/l	96
8) Diethyl Ether	3.39	74	46516	18.770	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71211	18.998	ug/l	98
10) Methyl Iodide	3.93	142	53719	12.879	ug/l	98
11) Tert butyl alcohol	4.77	59	79161	102.028	ug/l	100
12) 1,1-Dichloroethene	3.71	96	63488	18.838	ug/l	96
13) Acrolein	3.59	56	46759	71.035	ug/l	99
14) Allyl chloride	4.30	41	111595	16.920	ug/l	99
15) Acrylonitrile	4.96	53	208703	97.864	ug/l	99
16) Acetone	3.80	43	180708	85.991	ug/l	99
17) Carbon Disulfide	4.03	76	89223	17.115	ug/l	99
18) Methyl Acetate	4.31	43	116834	20.851	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	283706	20.228	ug/l	98
20) Methylene Chloride	4.53	84	84359	20.357	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	67178	18.439	ug/l	94
22) Diisopropyl ether	5.93	45	308987	19.977	ug/l	98
23) Vinyl Acetate	5.87	43	1071284	97.731	ug/l	100
24) 1,1-Dichloroethane	5.83	63	165215	19.545	ug/l	99
25) 2-Butanone	6.82	43	290283	95.438	ug/l	99
26) 2,2-Dichloropropane	6.81	77	81326	12.157	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95781	19.618	ug/l	94
28) Bromochloromethane	7.18	49	82897	19.629	ug/l	98
29) Tetrahydrofuran	7.20	42	183522	97.918	ug/l	100
30) Chloroform	7.36	83	174332	19.724	ug/l	99
31) Cyclohexane	7.64	56	119800	19.430	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	131983	18.828	ug/l	98
36) 1,1-Dichloropropene	7.78	75	108158	17.834	ug/l	99
37) Ethyl Acetate	6.91	43	118063	18.842	ug/l	100
38) Carbon Tetrachloride	7.76	117	104050	18.791	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113236	17.761	ug/l	97
40) Benzene	8.03	78	346209	18.961	ug/l	98
41) Methacrylonitrile	7.16	41	57200	20.110	ug/l #	90
42) 1,2-Dichloroethane	8.11	62	144066	19.728	ug/l	99
43) Isopropyl Acetate	8.15	43	203896	19.349	ug/l #	91
44) Trichloroethene	8.82	130	84924	18.963	ug/l	96
45) 1,2-Dichloropropane	9.11	63	102062	19.209	ug/l	97
46) Dibromomethane	9.20	93	62878	19.584	ug/l	100
47) Bromodichloromethane	9.40	83	123146	19.208	ug/l	98
48) Methyl methacrylate	9.19	41	102488	19.173	ug/l	99
49) 1,4-Dioxane	9.19	88	35774	395.755	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	646943	103.747	ug/l	99
52) Toluene	10.15	92	220842	19.203	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	114176	16.911	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	133202	17.870	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	95507	19.606	ug/l	98
56) Ethyl methacrylate	10.43	69	141253	19.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	166150	19.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	350757	101.518	ug/l	100
59) 2-Hexanone	10.75	43	460186	98.457	ug/l	100
60) Dibromochloromethane	10.90	129	82561	18.251	ug/l	98
61) 1,2-Dibromoethane	11.00	107	87997	19.107	ug/l	100
64) Tetrachloroethene	10.63	164	70568	19.245	ug/l	96
65) Chlorobenzene	11.43	112	250504	19.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84218	18.674	ug/l	99
67) Ethyl Benzene	11.51	91	441944	19.403	ug/l	100
68) m/p-Xylenes	11.62	106	320575	38.423	ug/l	99
69) o-Xylene	11.95	106	158702	19.133	ug/l	97
70) Styrene	11.97	104	276832	19.393	ug/l	98
71) Bromoform	12.13	173	49045	17.443	ug/l #	100
73) Isopropylbenzene	12.25	105	447353	20.723	ug/l	100
74) N-amyl acetate	12.07	43	183479	19.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	144735	19.913	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	124173m	19.731	ug/l	
77) Bromobenzene	12.53	156	105074	19.523	ug/l	96
78) n-propylbenzene	12.59	91	517206	20.865	ug/l	100
79) 2-Chlorotoluene	12.68	91	303910	19.398	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	376481	20.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25408	14.207	ug/l #	84
82) 4-Chlorotoluene	12.78	91	320016	19.890	ug/l	100
83) tert-Butylbenzene	13.00	119	324469	20.012	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	380695	20.536	ug/l	99
85) sec-Butylbenzene	13.18	105	442439	20.588	ug/l	100
86) p-Isopropyltoluene	13.29	119	390596	20.629	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194503	19.689	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	191663	19.113	ug/l	99
89) n-Butylbenzene	13.62	91	351862	19.678	ug/l	99
90) Hexachloroethane	13.88	117	51053	18.130	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	189341	19.185	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23397	19.492	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114065	17.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	50471	18.457	ug/l	98
95) Naphthalene	15.13	128	333879	19.544	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	108779	19.928	ug/l	98

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

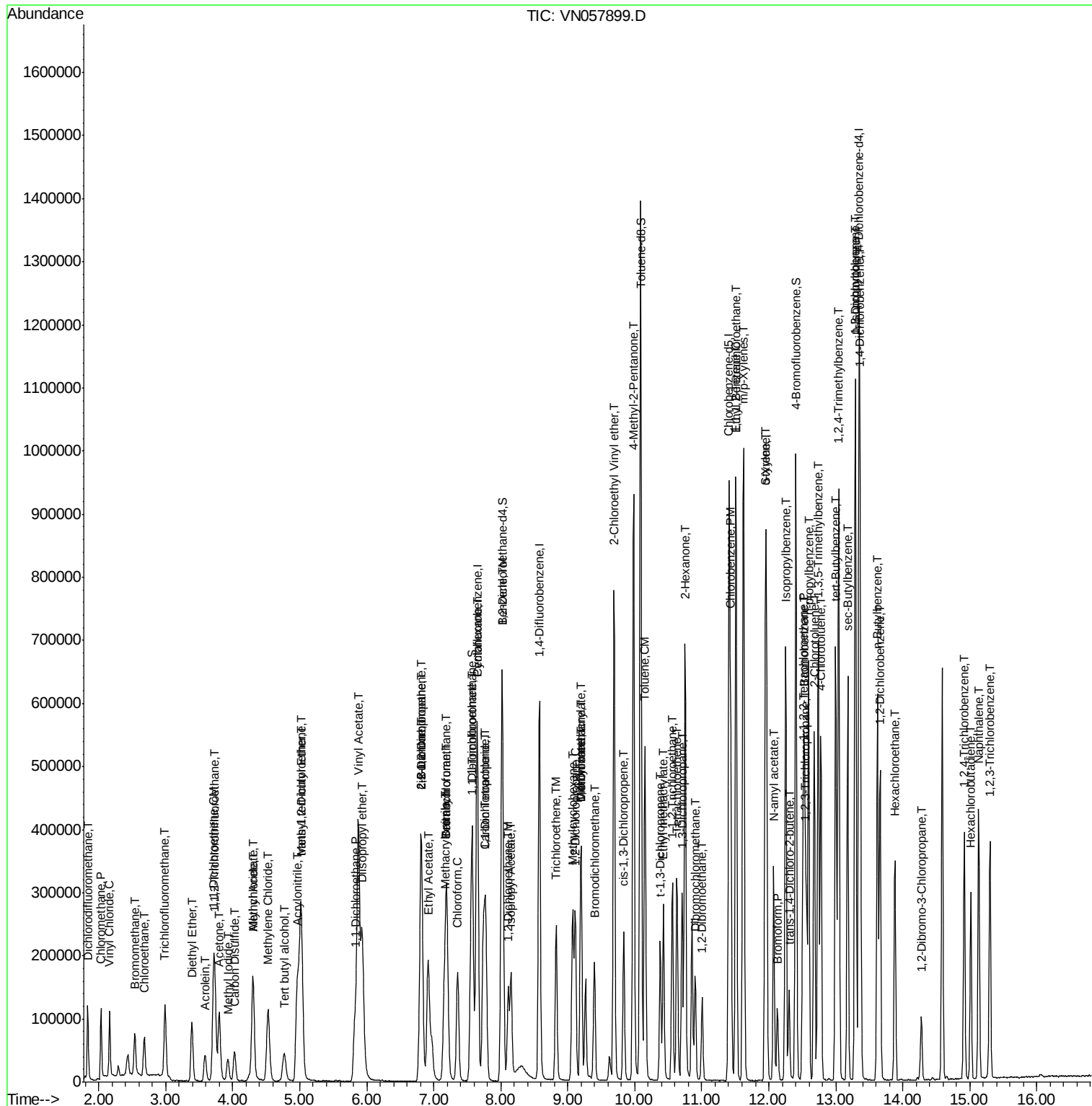
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
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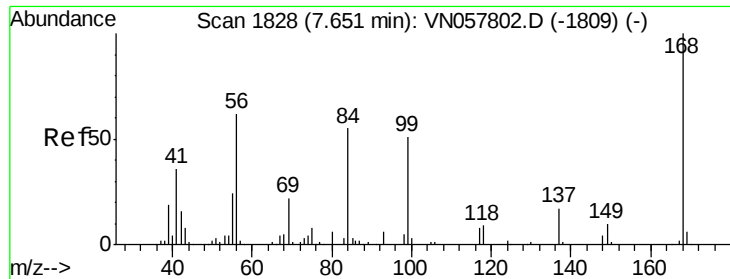
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion:168 Resp: 316503

Ion Ratio Lower Upper

168 100

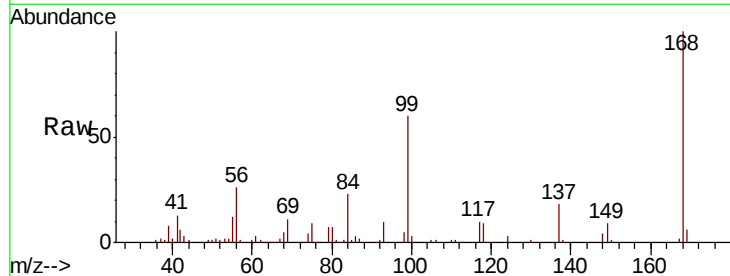
99 59.7 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

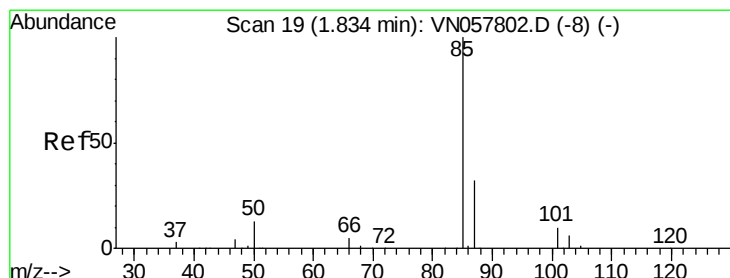
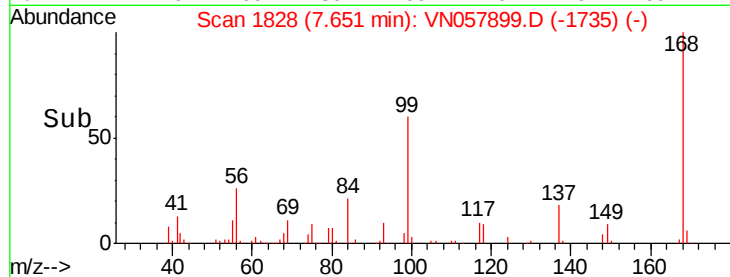
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.855 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057899.D

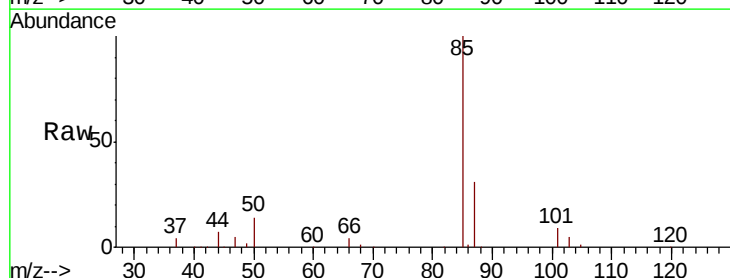
Acq: 11 Sep 2019 5:32

Tgt Ion: 85 Resp: 86907

Ion Ratio Lower Upper

85 100

87 31.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

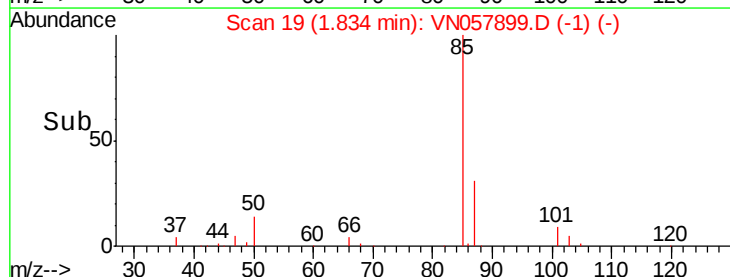
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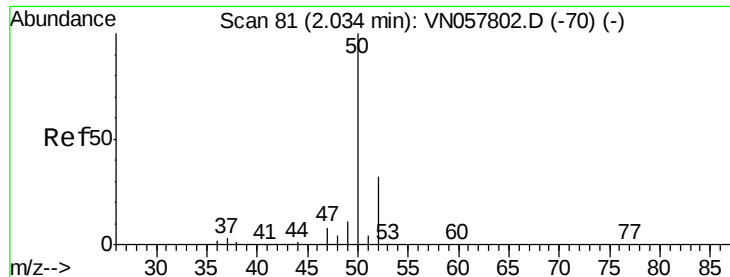
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.569 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 50 Resp: 82841

Ion Ratio Lower Upper

50 100

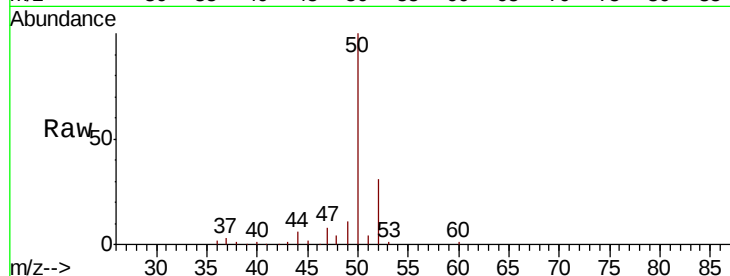
52 30.6 25.5 38.3

Manual Integrations

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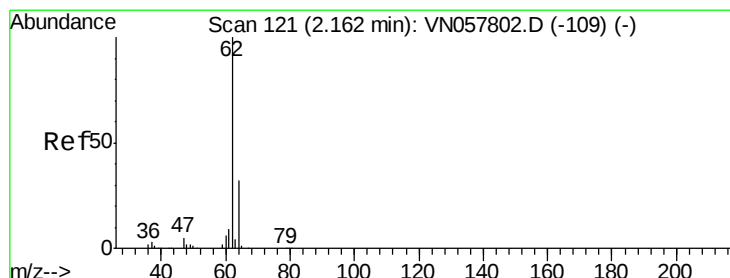
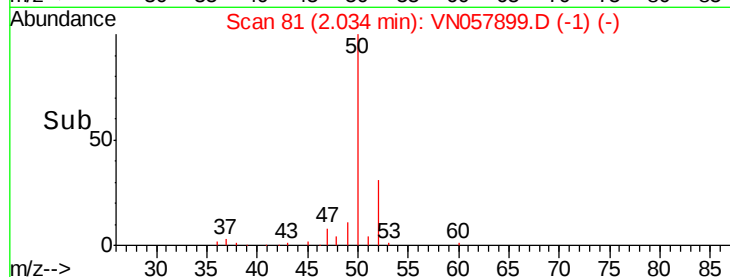
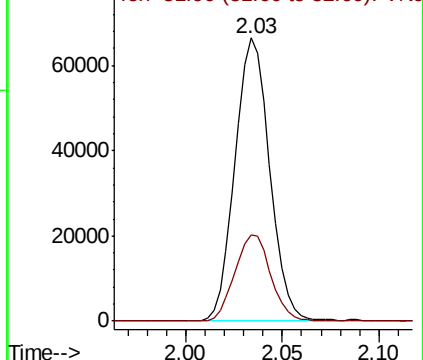
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.308 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057899.D

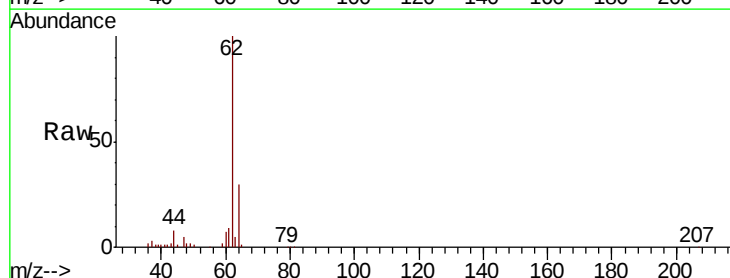
Acq: 11 Sep 2019 5:32

Tgt Ion: 62 Resp: 86444

Ion Ratio Lower Upper

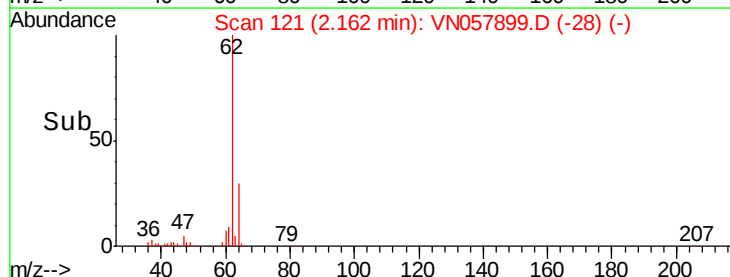
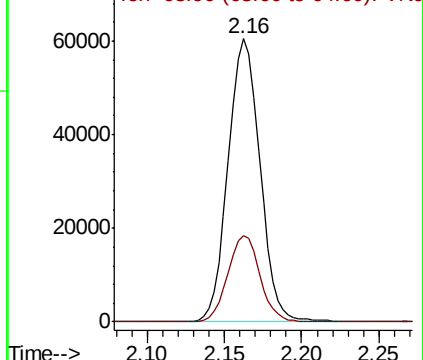
62 100

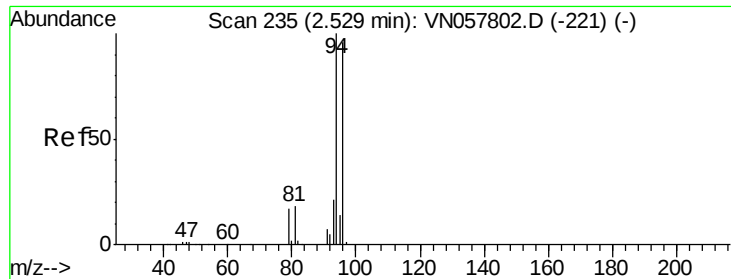
64 30.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 16.551 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 94 Resp: 45585

Ion Ratio Lower Upper

94 100

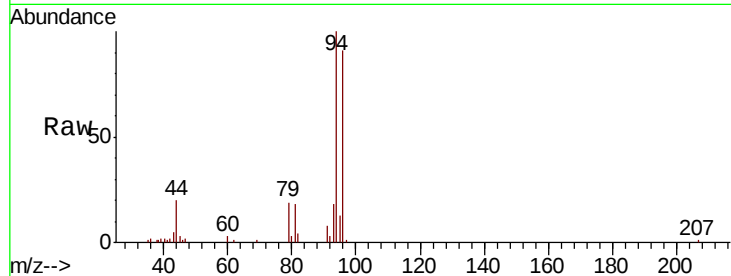
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Manual Integrations

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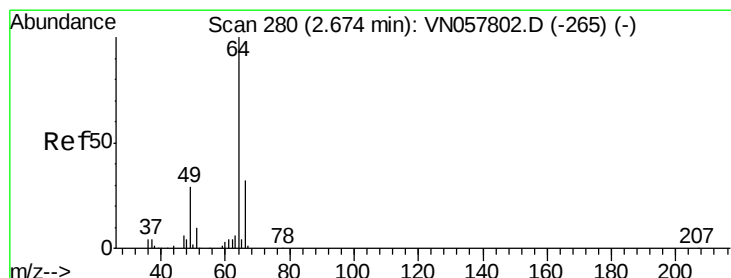
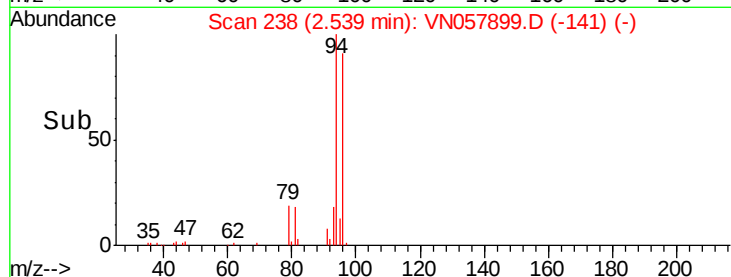
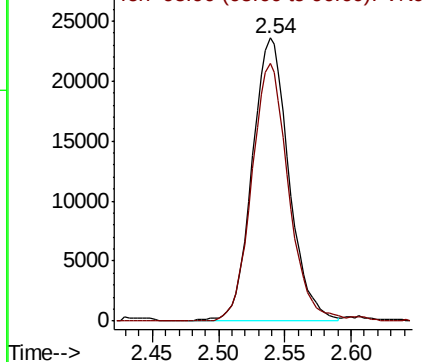
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.767 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057899.D

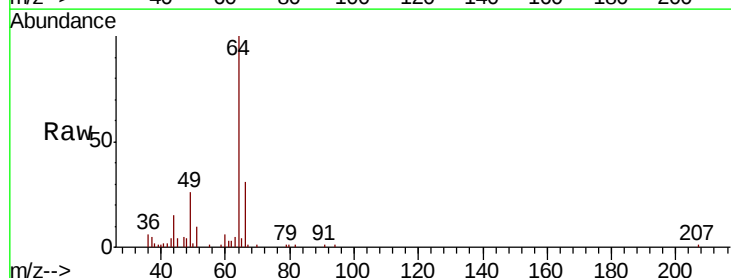
Acq: 11 Sep 2019 5:32

Tgt Ion: 64 Resp: 56465

Ion Ratio Lower Upper

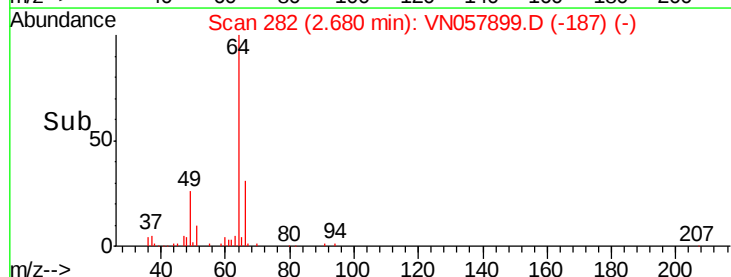
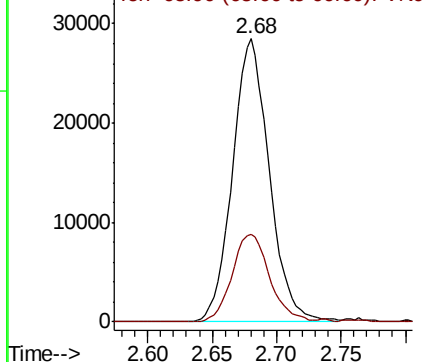
64 100

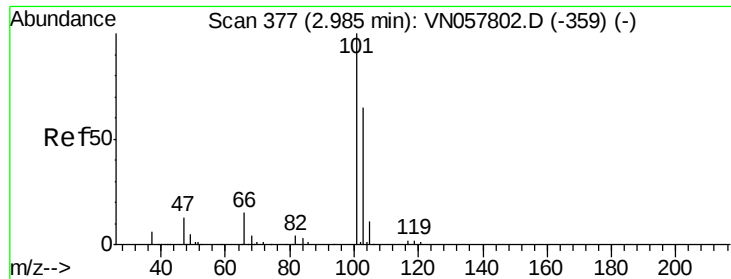
66 30.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

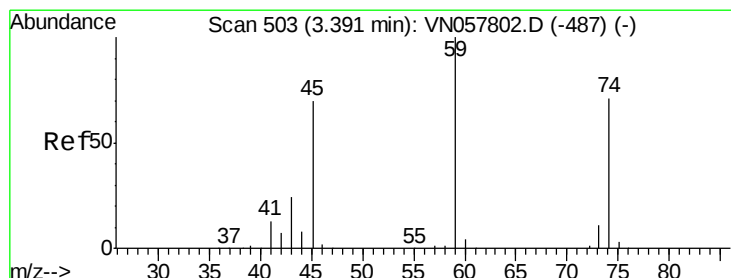
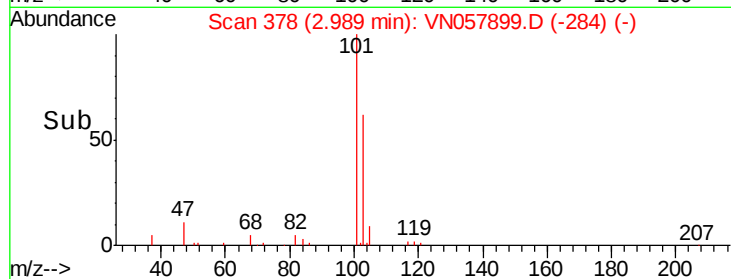
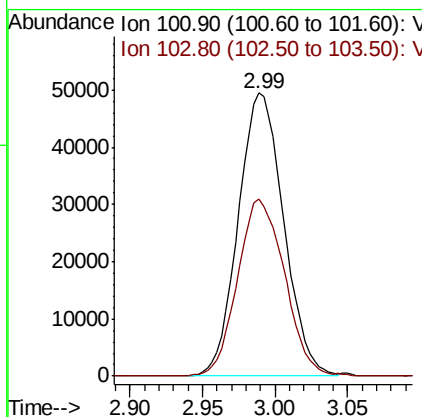
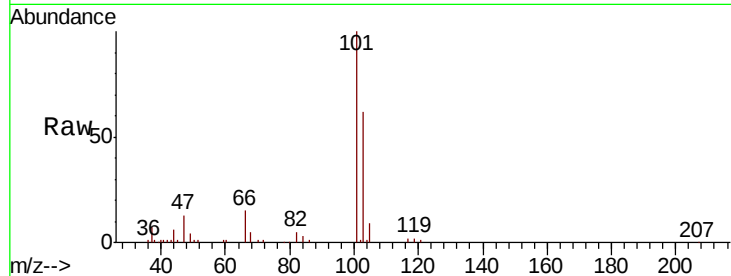
Trichlorofluoromethane
 Concen: 18.135 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	107754		
103	62.0	51.9	77.9	

Manual Integrations
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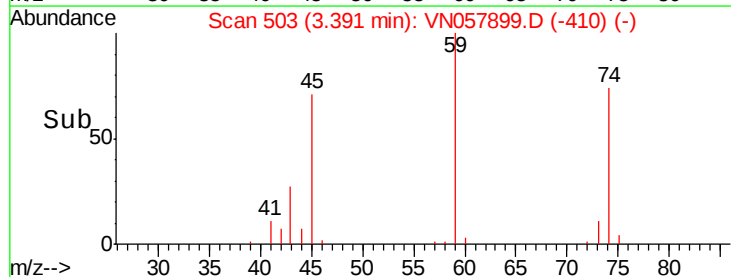
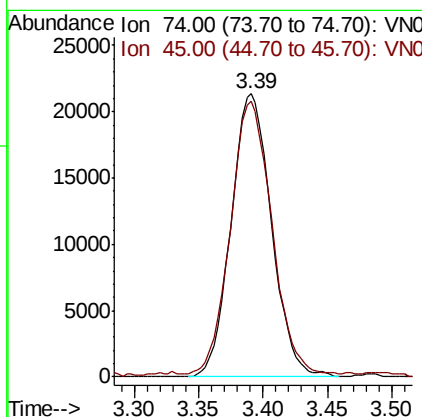
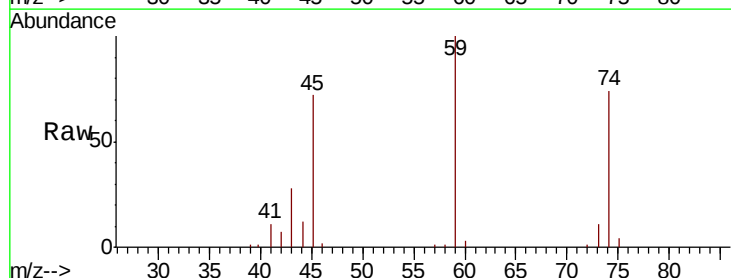
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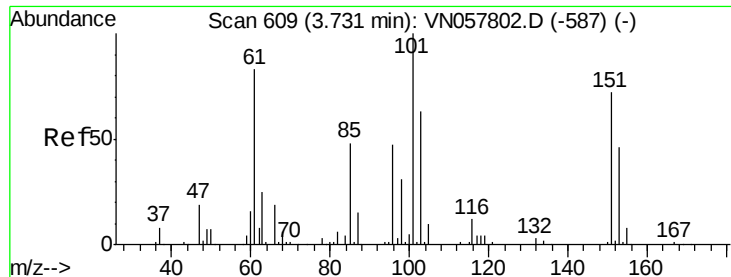


#8

Diethyl Ether
 Concen: 18.770 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46516		
45	98.4	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.998 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

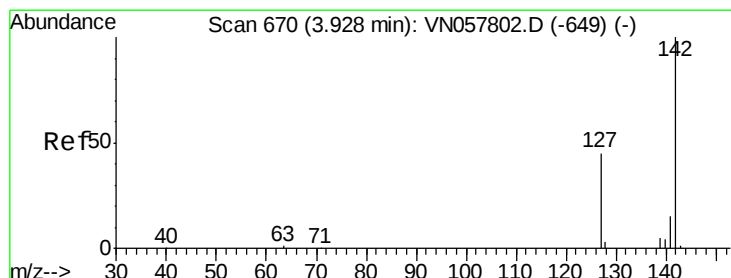
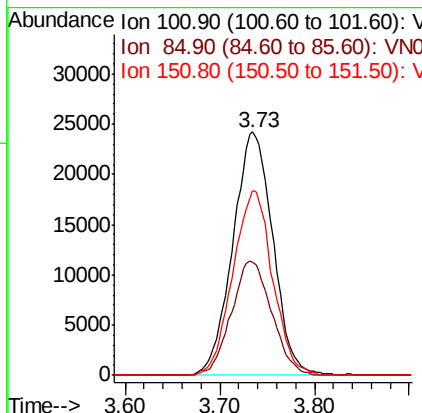
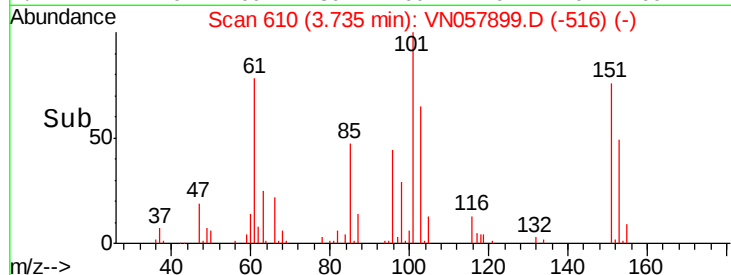
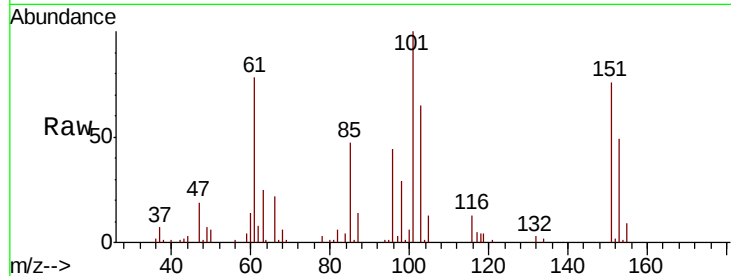
ClientSampleId :

VN0911WBS02

Tot Ion:	101	Resp:	71211
Ion Ratio	Lower	Upper	
101	100		
85	47.3	38.1	57.1
151	75.1	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 12.879 ug/l

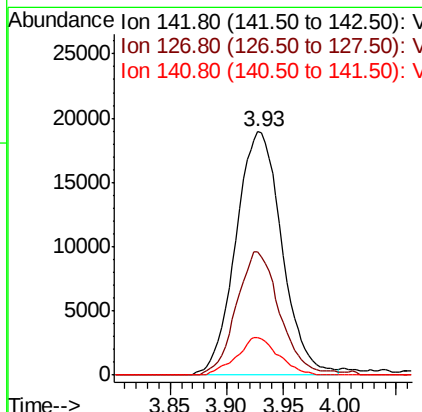
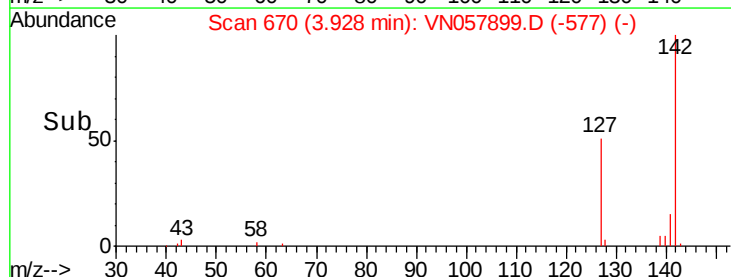
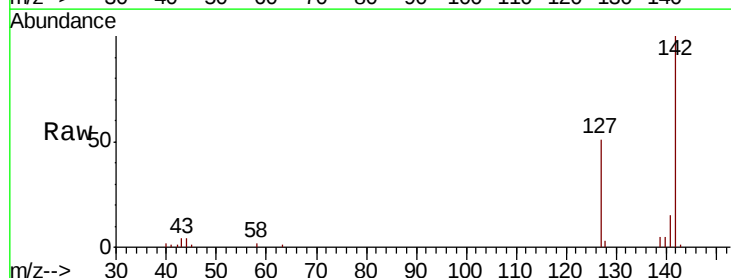
RT: 3.93 min Scan# 670

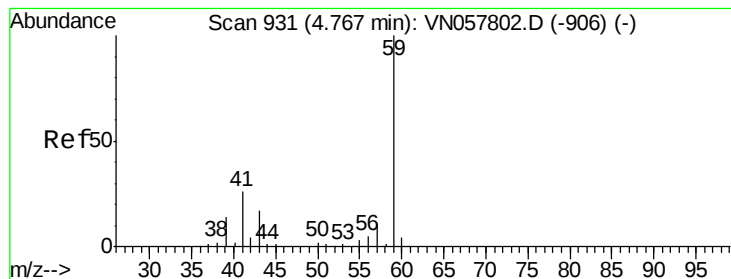
Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	142	Resp:	53719
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.7	55.1
141	13.9	11.4	17.0





#11

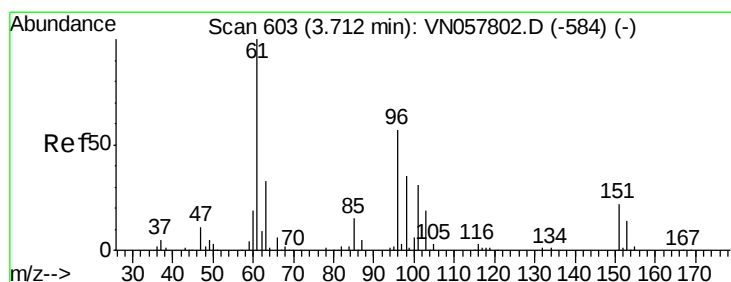
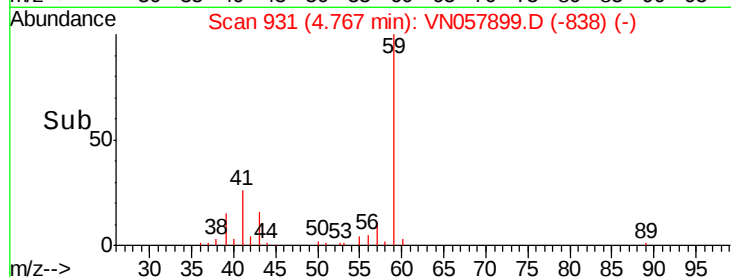
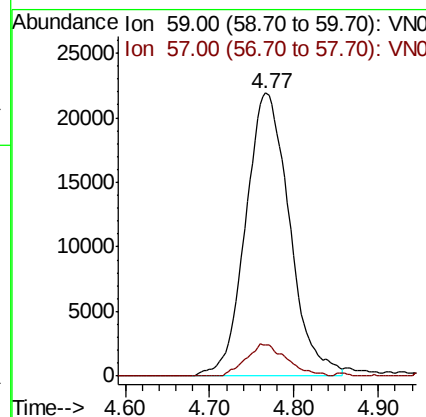
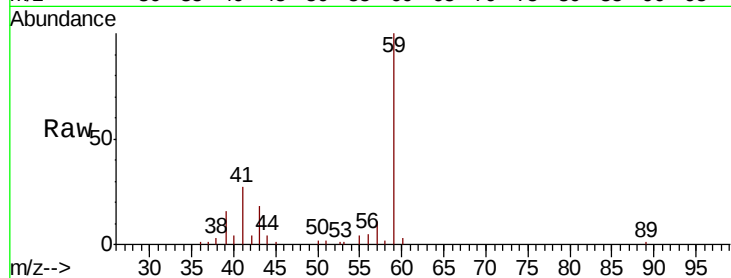
Tert butyl alcohol
 Concen: 102.028 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS02

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	79161
Ion Ratio	59	100	Lower Upper
	57	10.6	8.4 12.6

Manual Integrations
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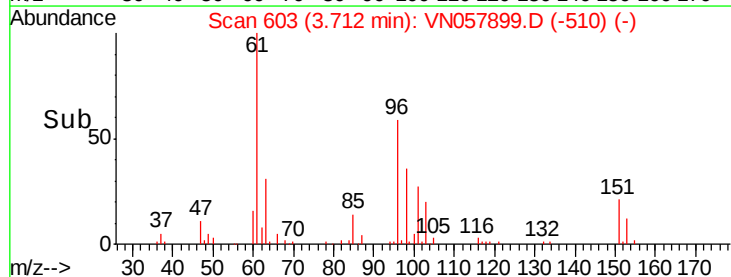
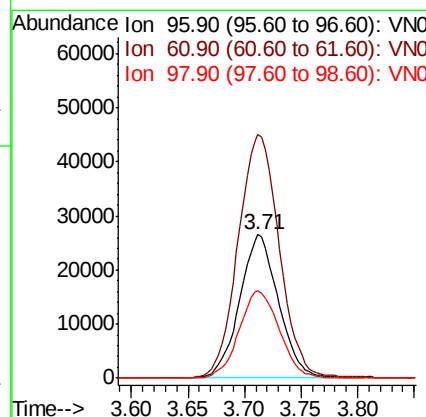
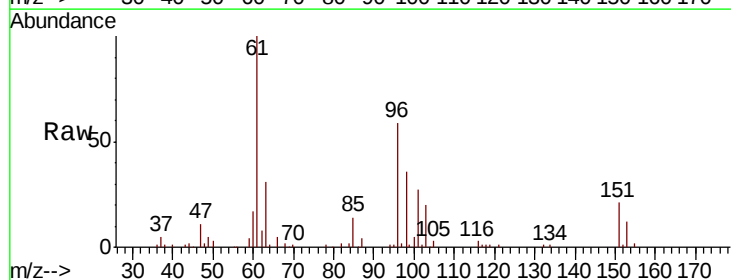
MMDadoda
 9/13/2019 7:07:01 AM

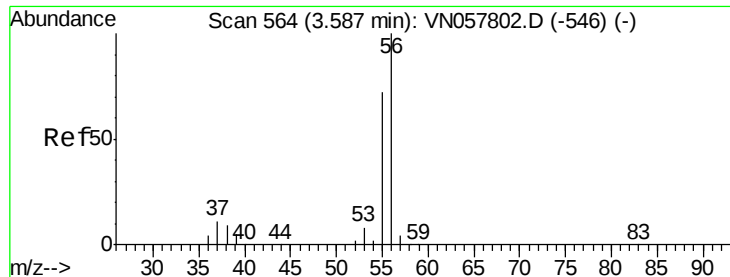


#12

1,1-Dichloroethene
 Concen: 18.838 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	96	Resp	63488
Ion Ratio	96	100	Lower Upper
	61	169.8	141.2 211.8
	98	61.3	49.9 74.9





#13

Acrolein

Concen: 71.035 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 56 Resp: 46759

Ion Ratio Lower Upper

56 100

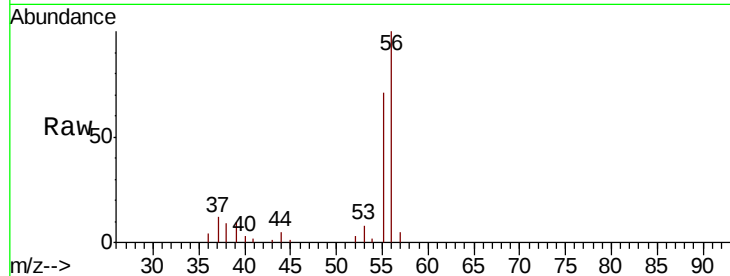
55 70.8 57.3 85.9

Manual Integrations

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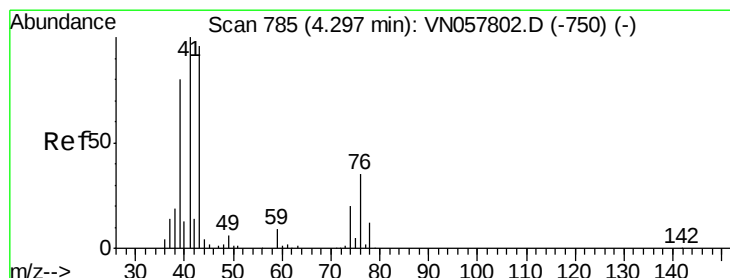
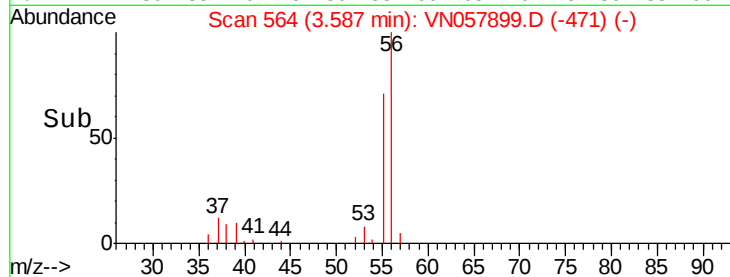
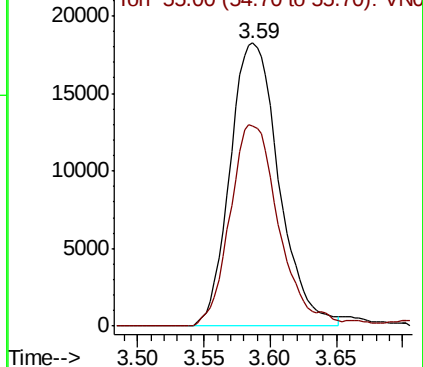
MMDadoda

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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: 16.920 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

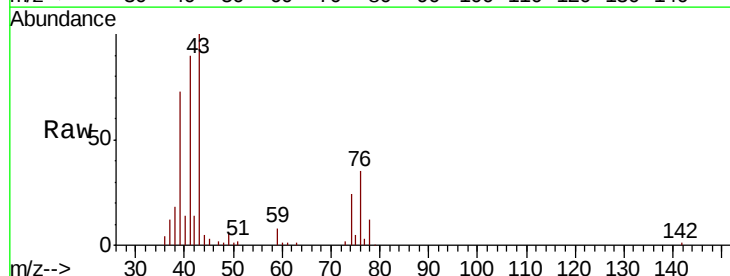
Tgt Ion: 41 Resp: 111595

Ion Ratio Lower Upper

41 100

39 75.7 59.4 89.2

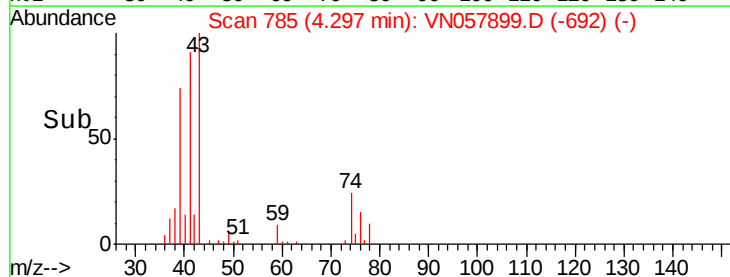
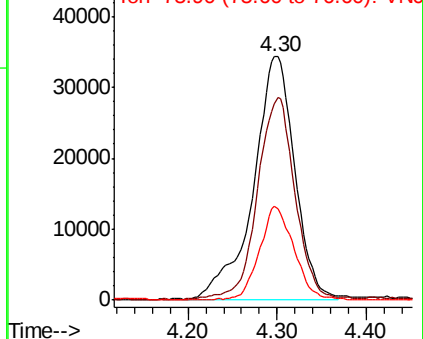
76 32.0 26.0 39.0



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: 97.864 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

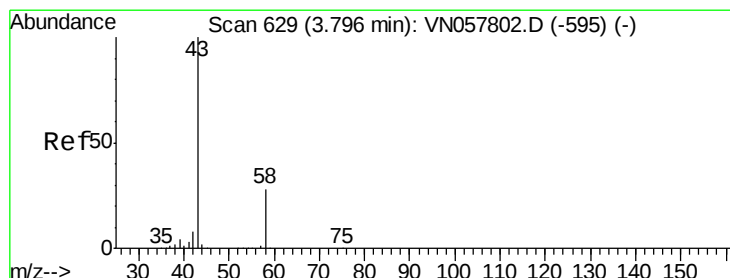
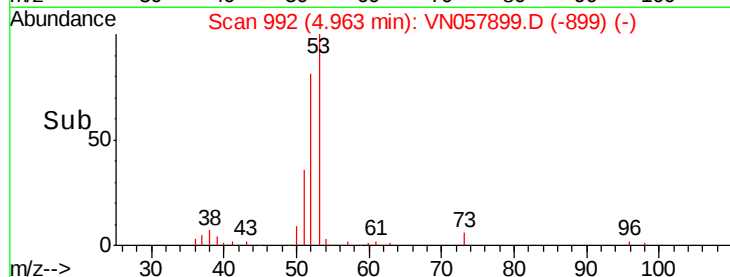
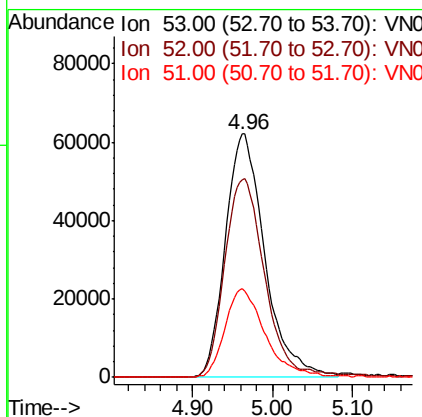
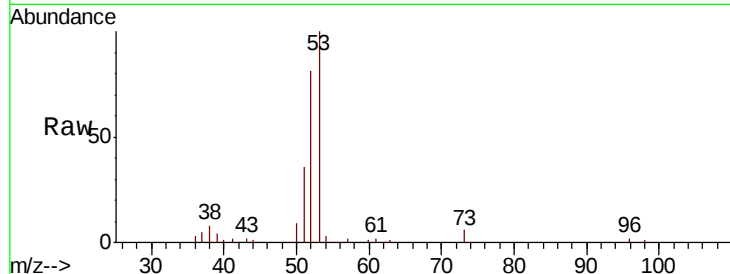
ClientSampleId :

VN0911WBS02

Tot Ion:	53	Resp:	208703
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.6	100.0
51	36.9	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 85.991 ug/l

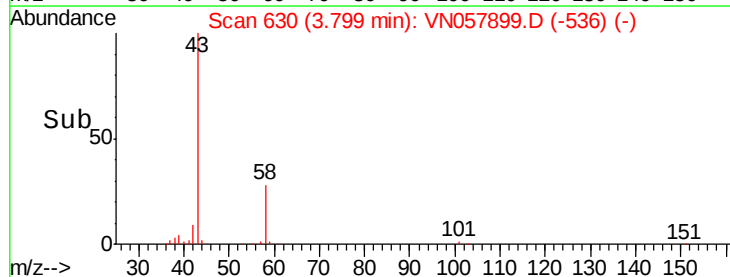
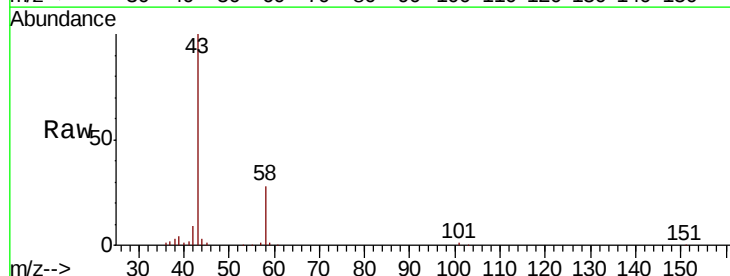
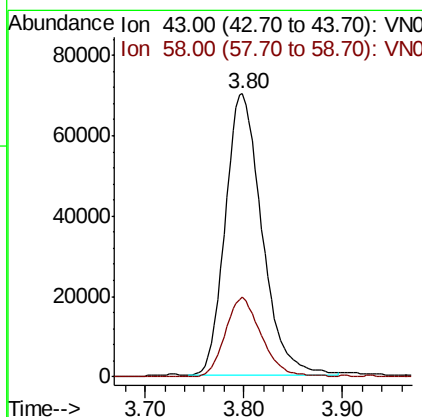
RT: 3.80 min Scan# 630

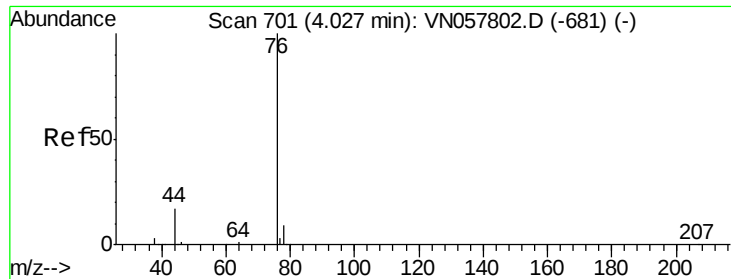
Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	43	Resp:	180708
Ion Ratio		Lower	Upper
43	100		
58	28.3	22.2	33.2





#17

Carbon Disulfide

Concen: 17.115 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 76 Resp: 89223

Ion Ratio Lower Upper

76 100

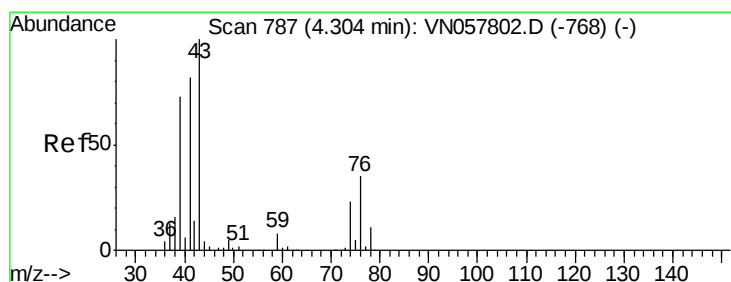
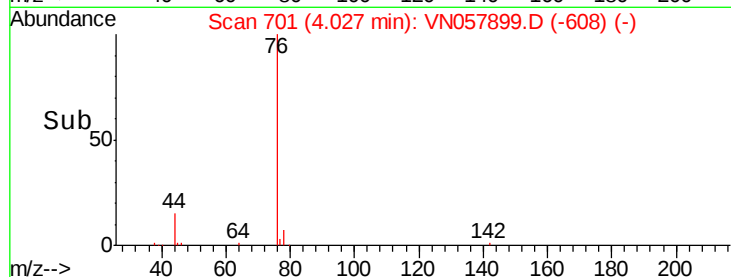
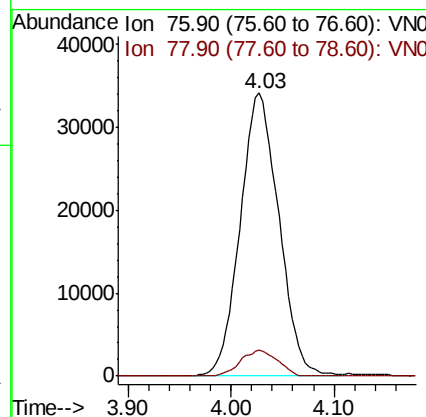
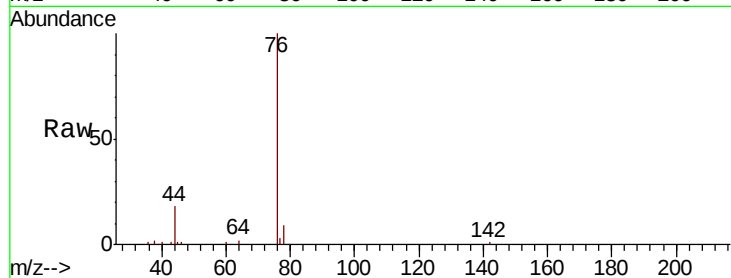
78 9.2 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 20.851 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057899.D

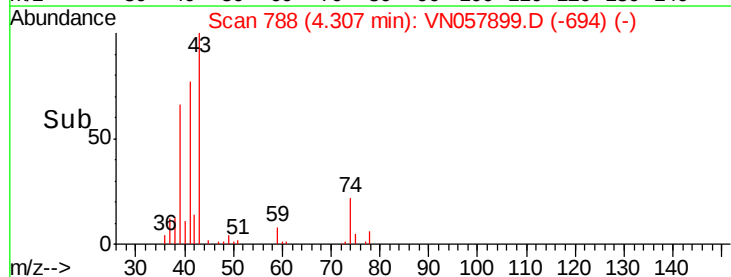
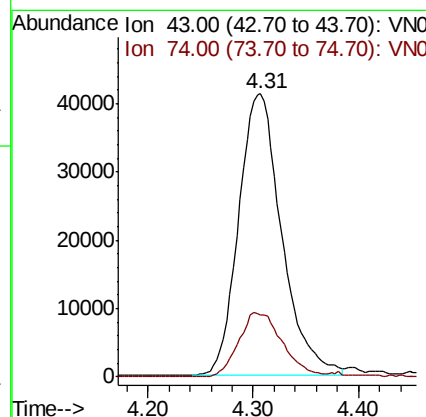
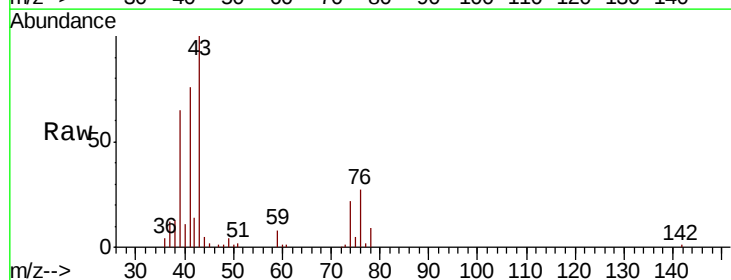
Acq: 11 Sep 2019 5:32

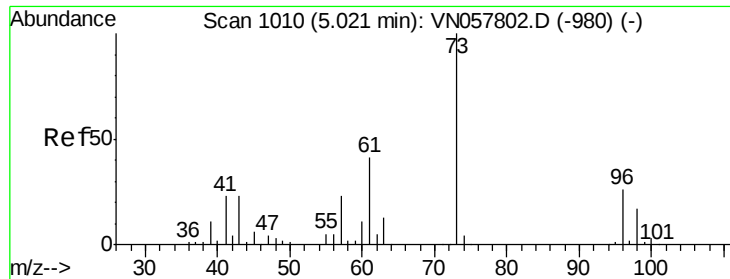
Tgt Ion: 43 Resp: 116834

Ion Ratio Lower Upper

43 100

74 23.1 17.9 26.9





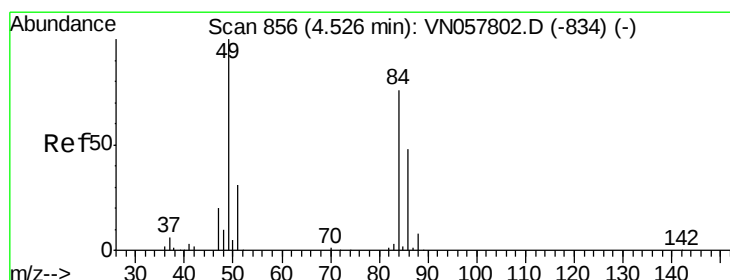
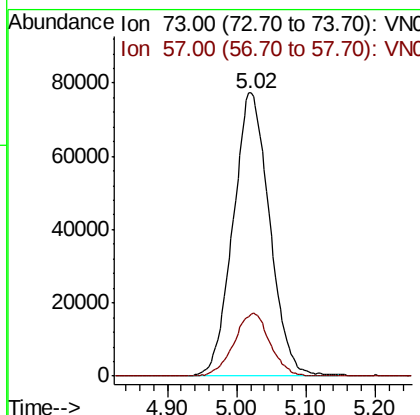
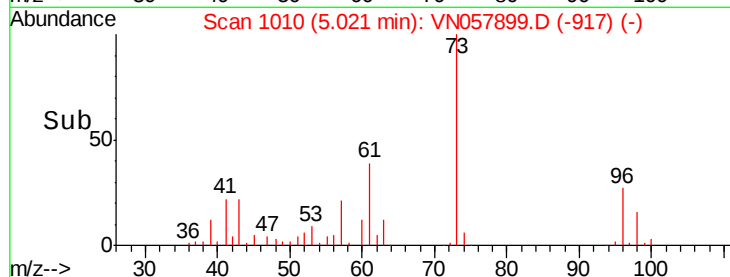
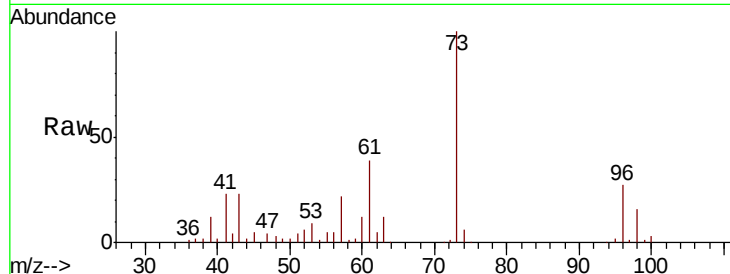
#19
Methvl tert-butvl Ether
Concen: 20.228 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion: 73 Resp: 283706
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2

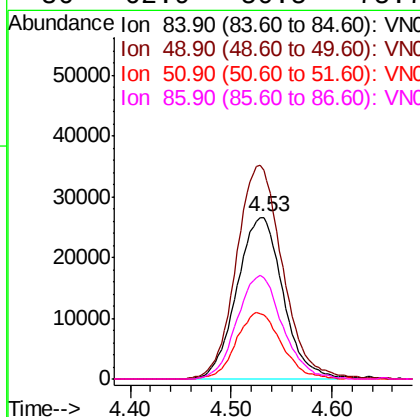
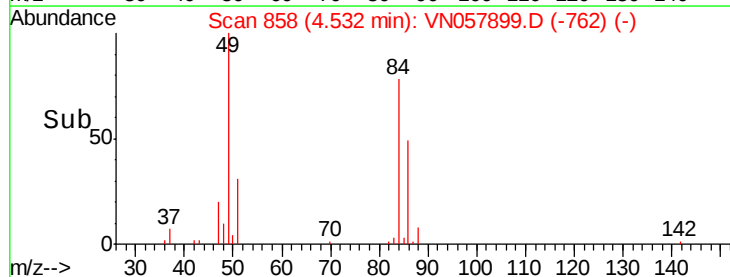
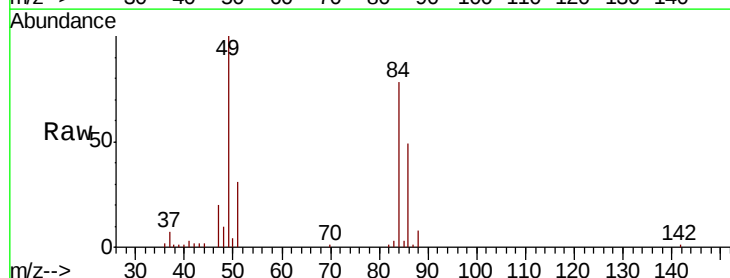
Manual Integrations
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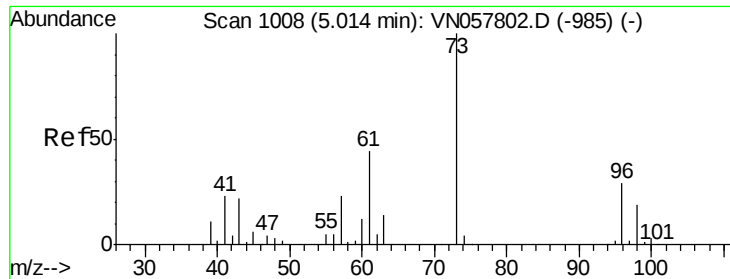
MMDadoda
9/13/2019 7:07:01 AM



#20
Methylene Chloride
Concen: 20.357 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 84 Resp: 84359
Ion Ratio Lower Upper
84 100
49 128.0 104.8 157.2
51 39.7 33.0 49.4
86 62.9 50.5 75.7





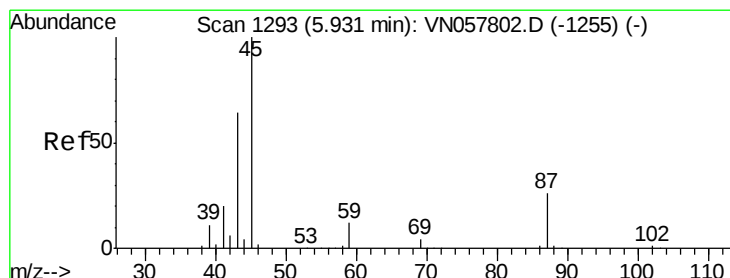
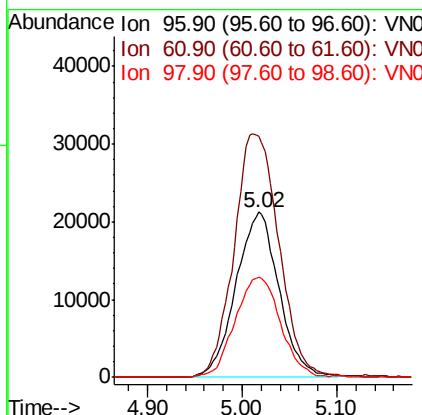
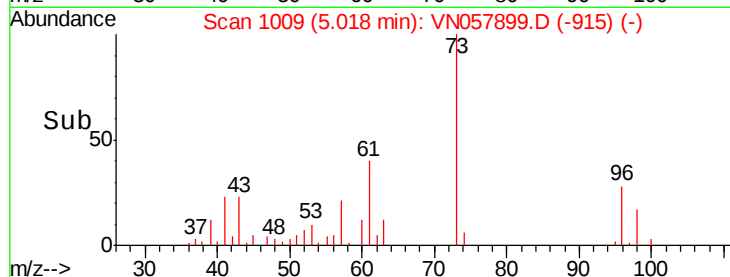
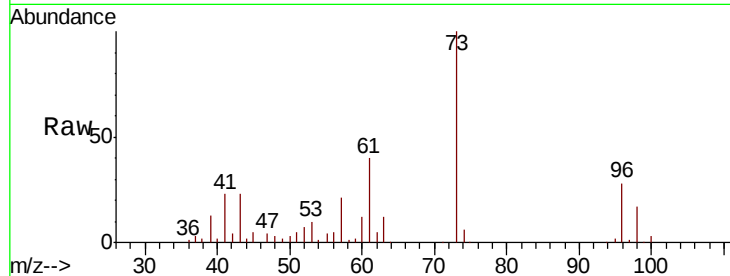
#21
trans-1,2-Dichloroethene
Concen: 18.439 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	121.9	182.9
98	60.5	52.2	78.4

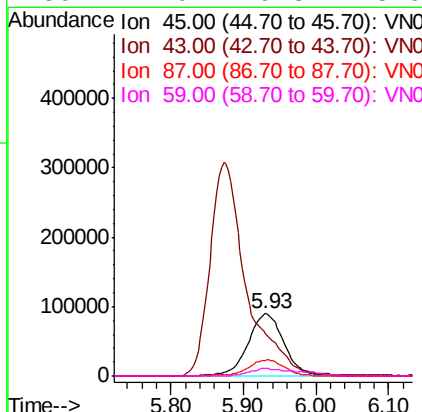
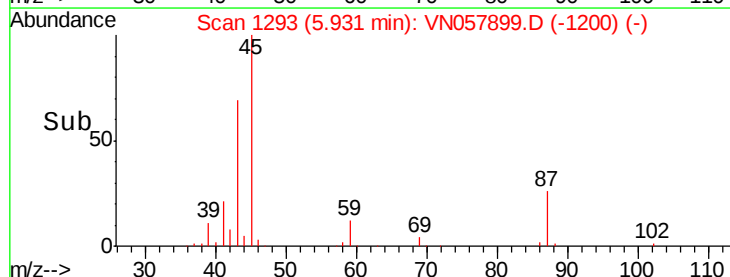
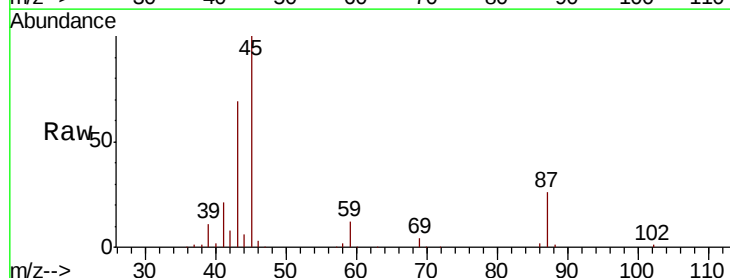
Manual Integrations
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MMDadoda
9/13/2019 7:07:01 AM



#22
Diisopropyl ether
Concen: 19.977 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.2	51.4	77.2
87	25.5	21.3	31.9
59	12.0	9.3	13.9





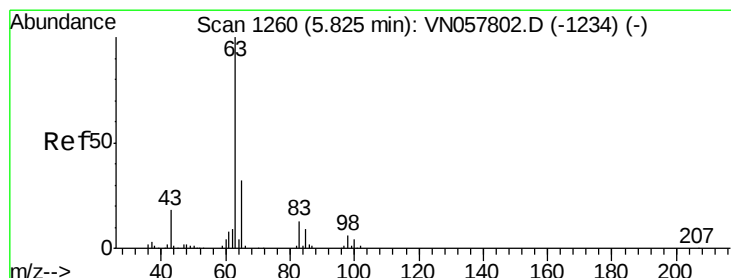
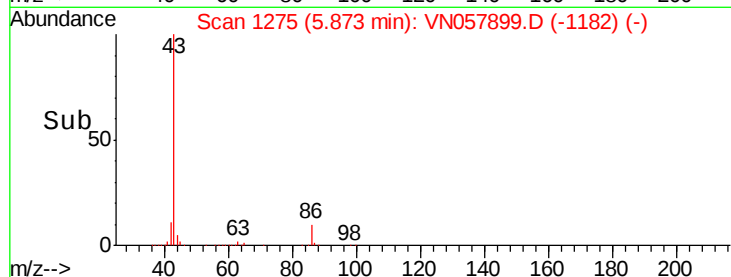
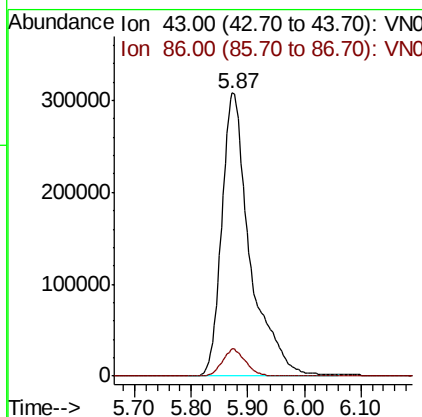
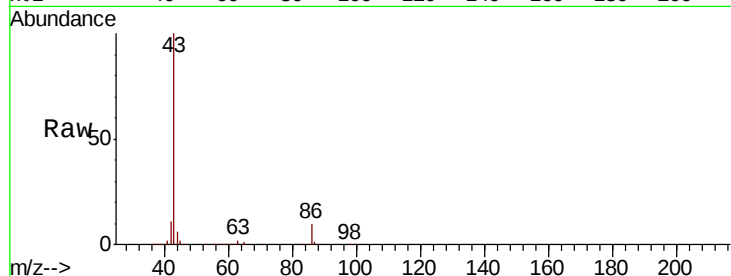
#23
 Vinyl Acetate
 Concen: 97.731 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.7	11.5

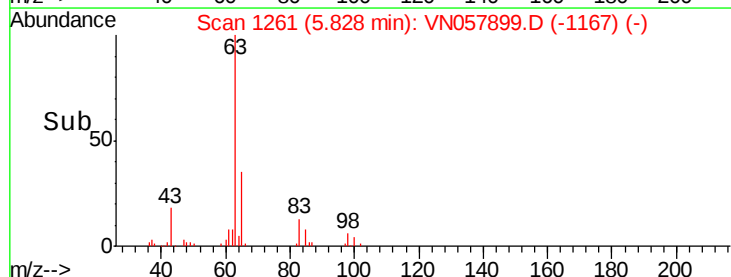
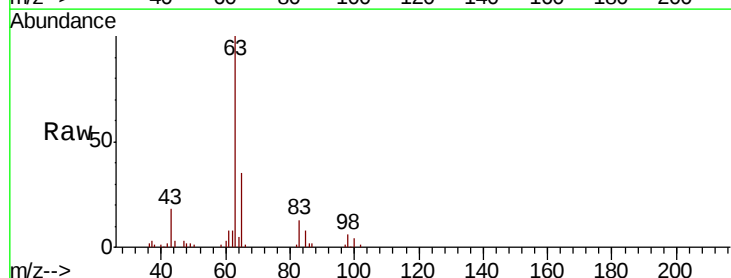
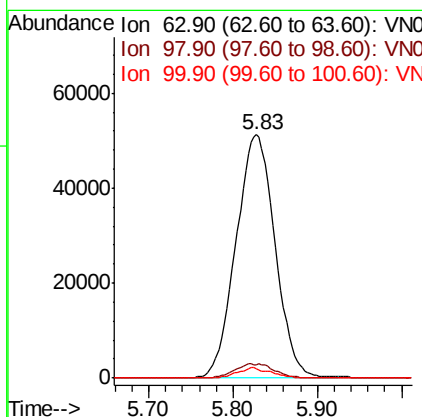
Manual Integrations
 APPROVED

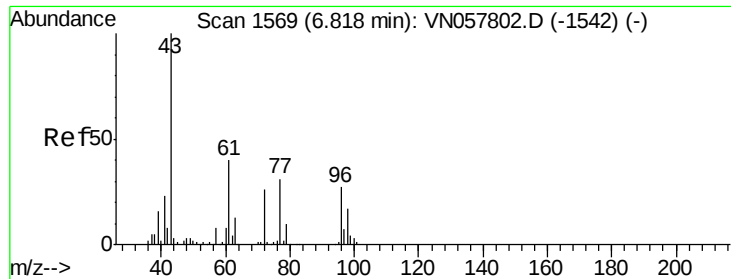
MMDadoda
 9/13/2019 7:07:01 AM



#24
 1,1-Dichloroethane
 Concen: 19.545 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.0	9.2
100	4.1	2.0	5.8





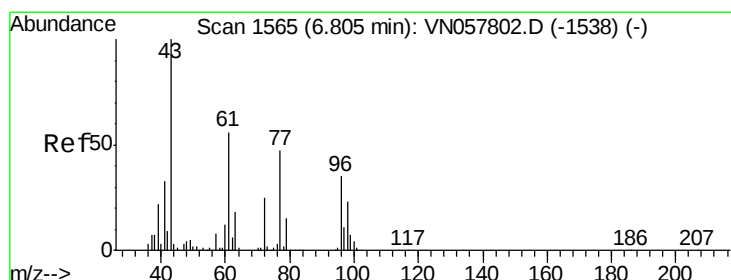
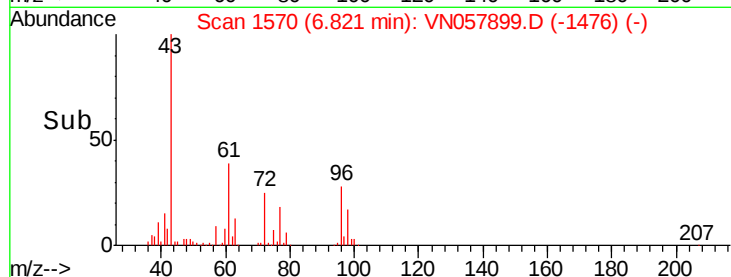
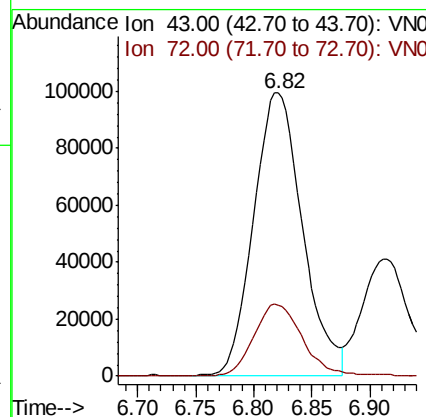
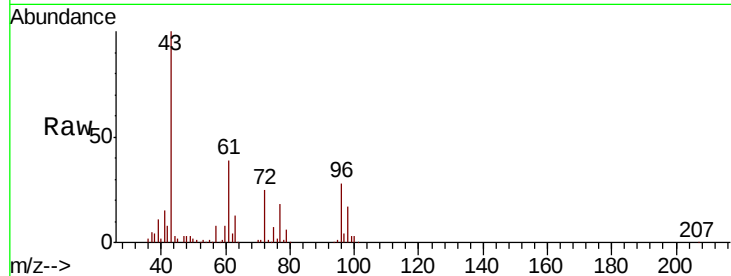
#25
2-Butanone
Concen: 95.438 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	43	Resp	290283
Ion Ratio	100	Lower	Upper
72	25.3	20.6	30.8

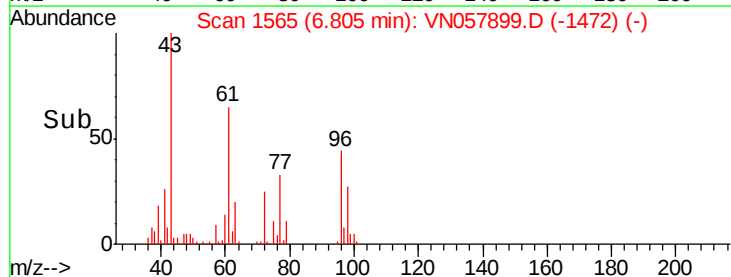
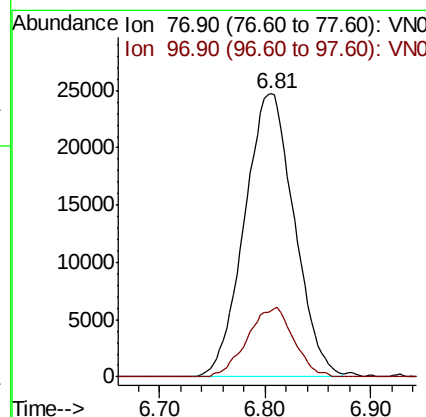
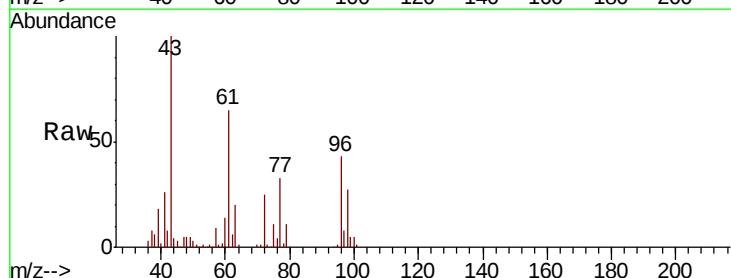
Manual Integrations
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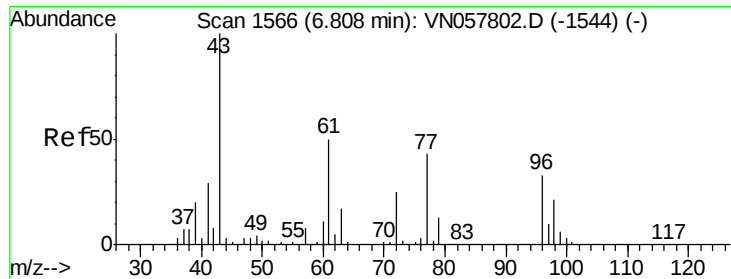
MMDadoda
9/13/2019 7:07:01 AM



#26
2,2-Dichloropropane
Concen: 12.157 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	77	Resp	81326
Ion Ratio	100	Lower	Upper
97	22.6	11.1	33.3





#27

cis-1,2-Dichloroethene

Concen: 19.618 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

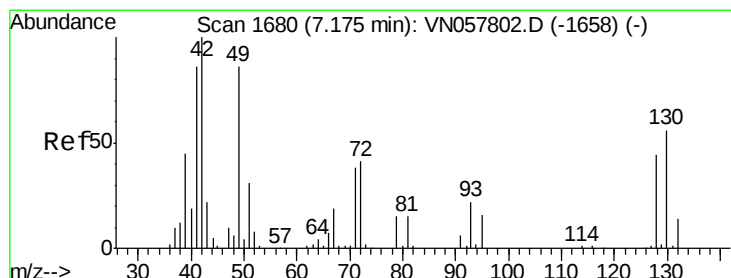
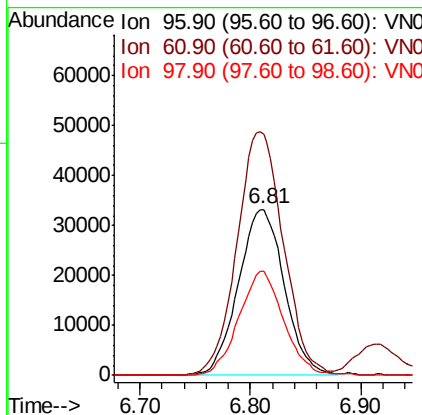
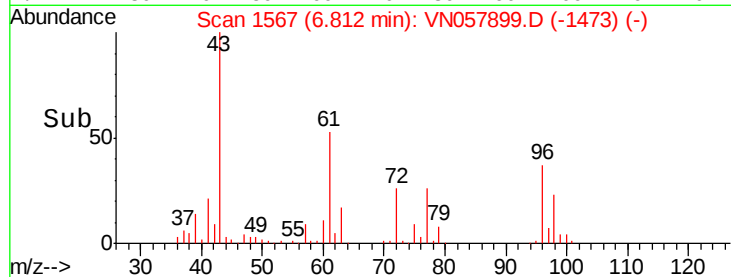
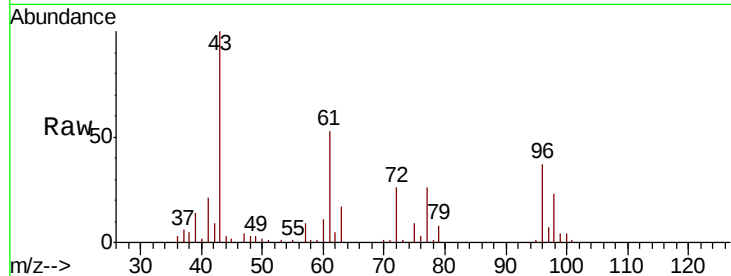
ClientSampleId :

VN0911WBS02

Tot Ion:	96	Resp:	95781
Ion Ratio	Lower	Upper	
96	100		
61	148.3	0.0	314.0
98	61.4	0.0	128.6

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#28

Bromochloromethane

Concen: 19.629 ug/l

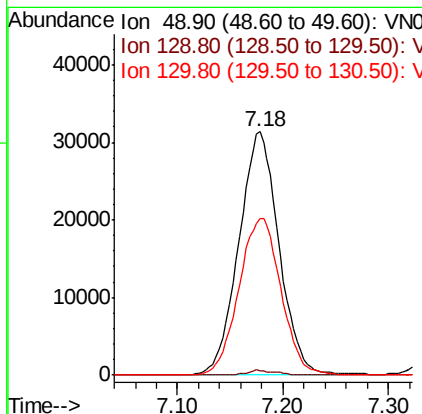
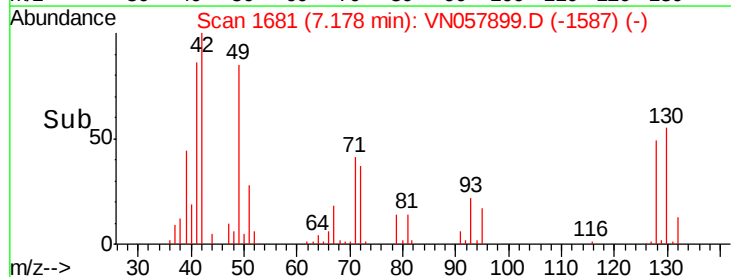
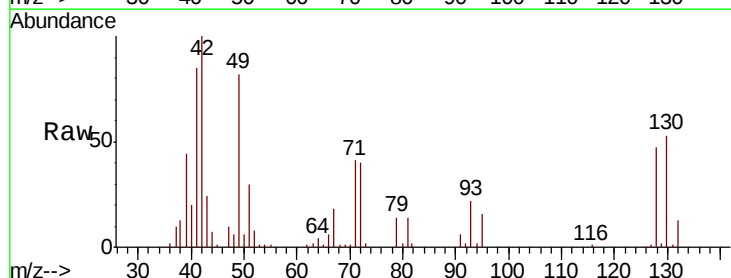
RT: 7.18 min Scan# 1681

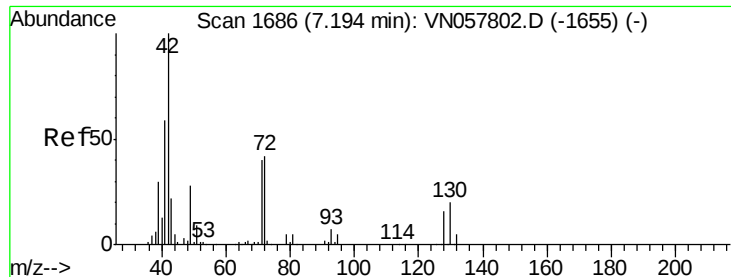
Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	49	Resp:	82897
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	3.8
130	67.5	53.0	79.6





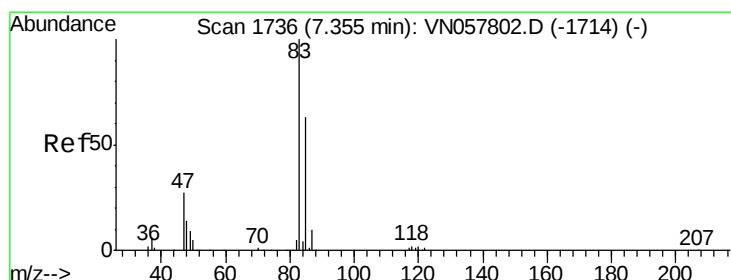
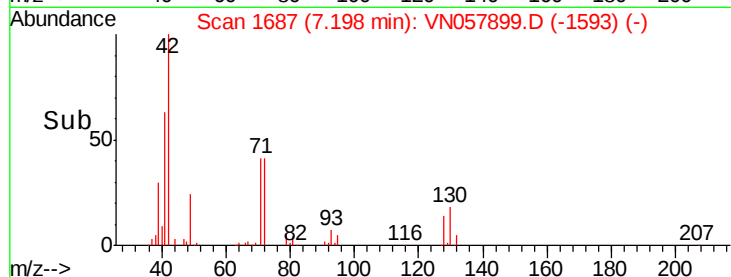
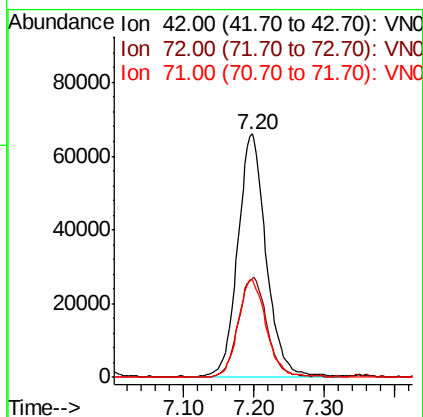
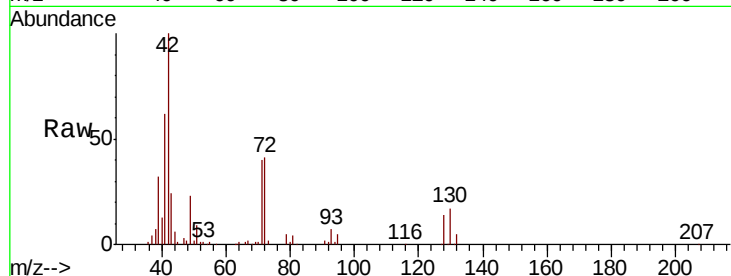
#29
Tetrahydrofuran
Concen: 97.918 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	39.7	31.9	47.9

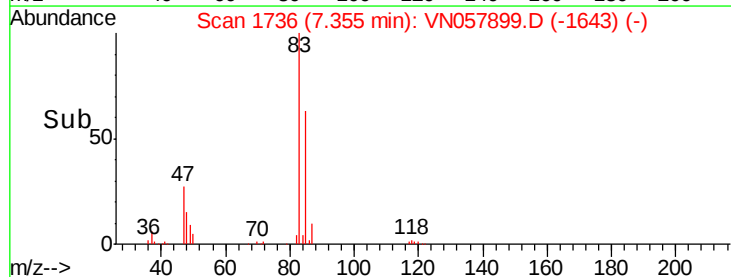
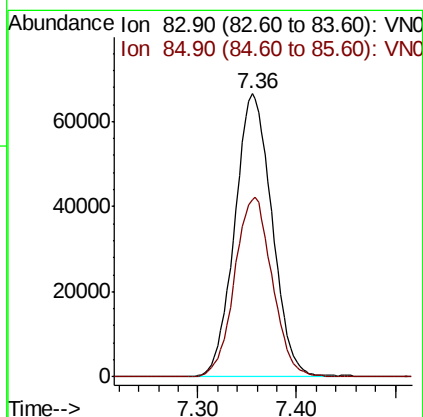
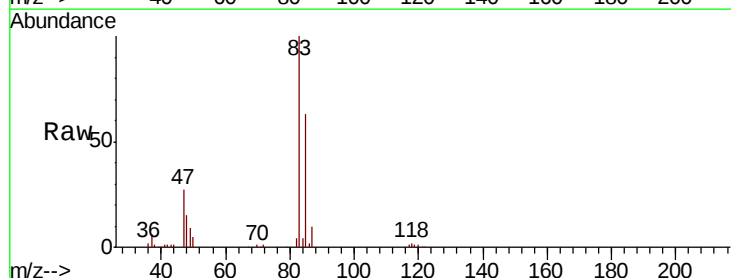
Manual Integrations
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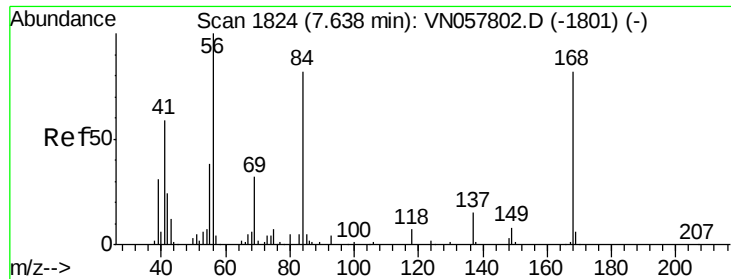
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#30
Chloroform
Concen: 19.724 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.6	75.8





#31

Cyclohexane

Concen: 19.430 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

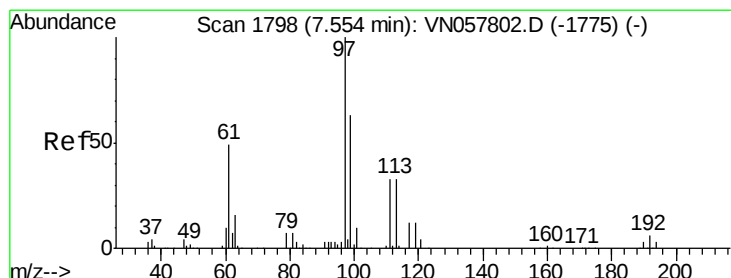
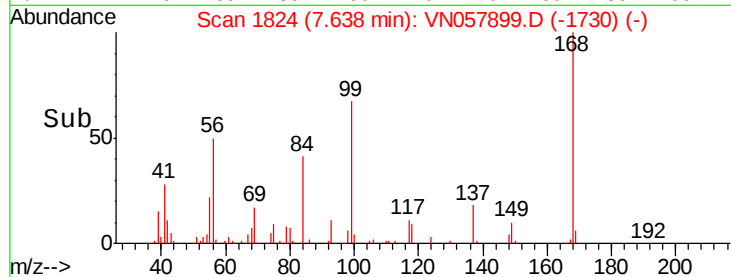
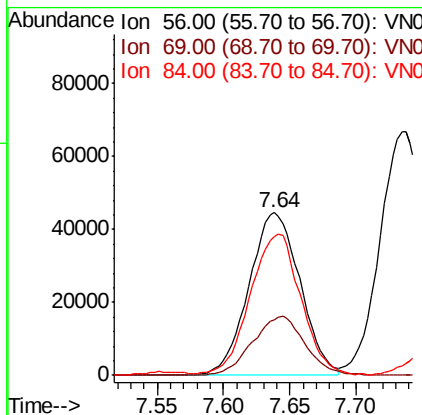
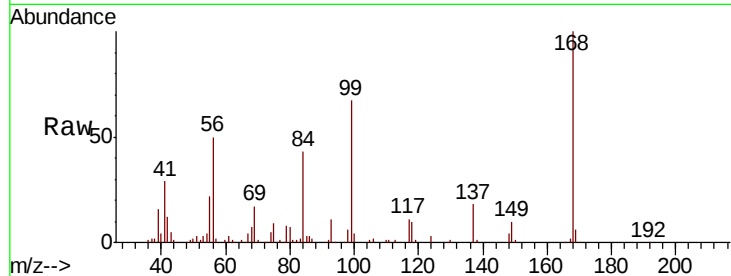
ClientSampleId :

VN0911WBS02

Tot Ion:	56	Resp:	119800
Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.9	38.9
84	84.2	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 18.828 ug/l

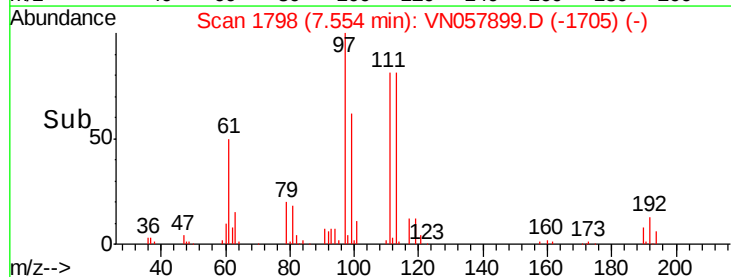
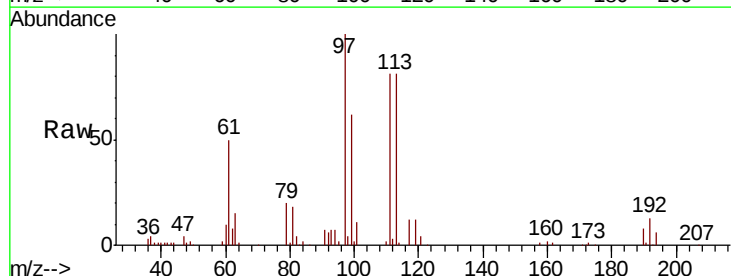
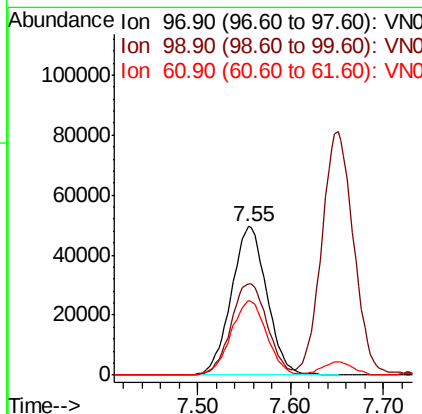
RT: 7.55 min Scan# 1798

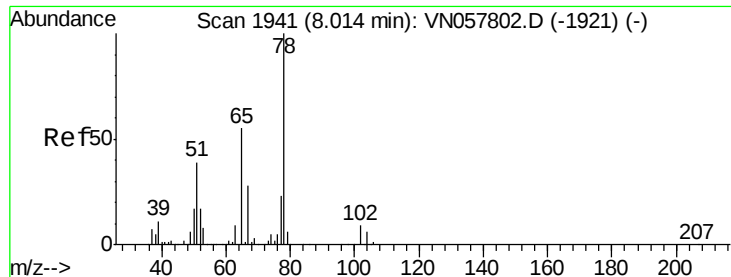
Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	97	Resp:	131983
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.0	76.4
61	50.1	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 51.241 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 65 Resp: 328482

Ion Ratio Lower Upper

65 100

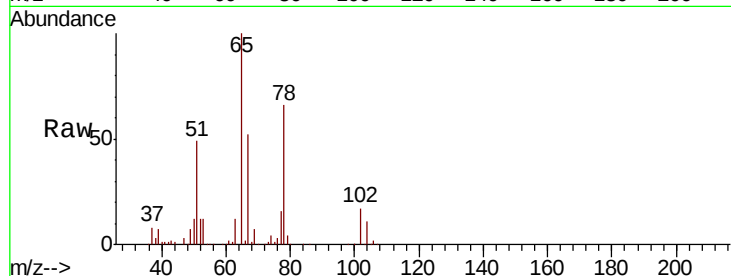
67 51.5 0.0 104.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN057802.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN057802.D (-1921) (-)

8.01

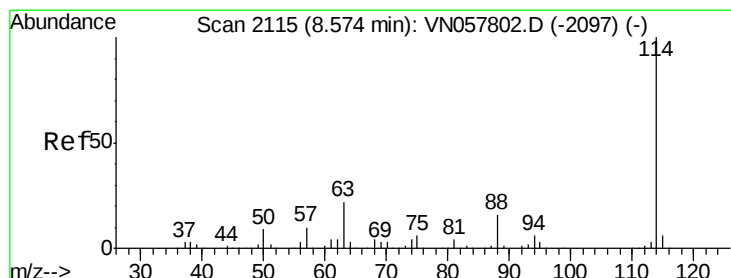
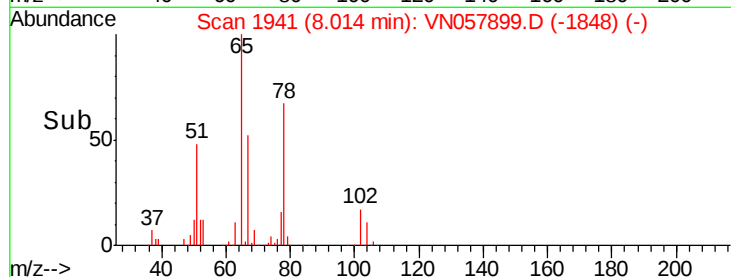
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

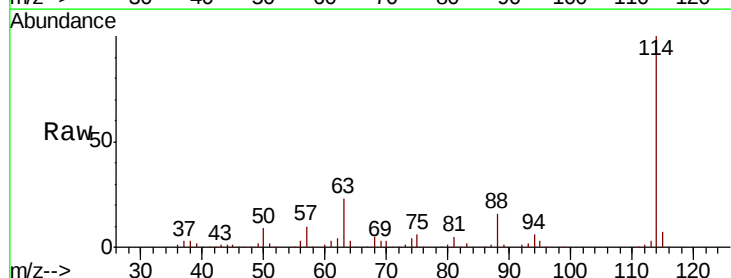
Tgt Ion: 114 Resp: 522950

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.0

88 15.8 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN057802.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057802.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057802.D (-2097) (-)

8.58

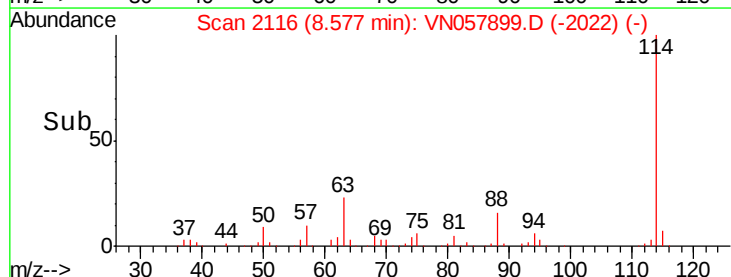
300000

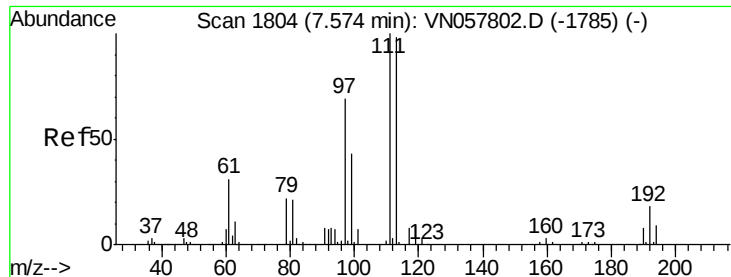
200000

100000

0

Time--> 8.50 8.60 8.70





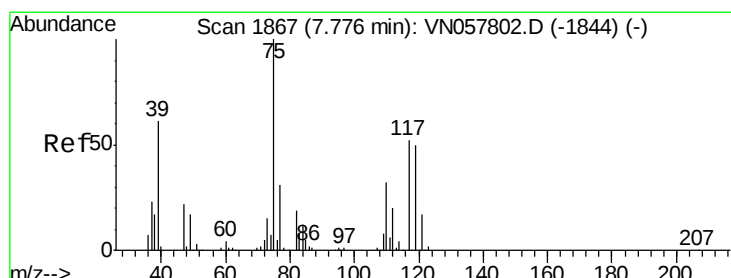
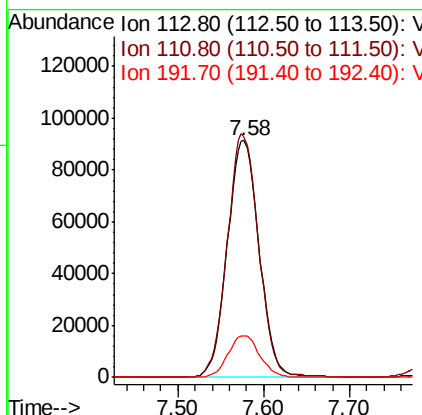
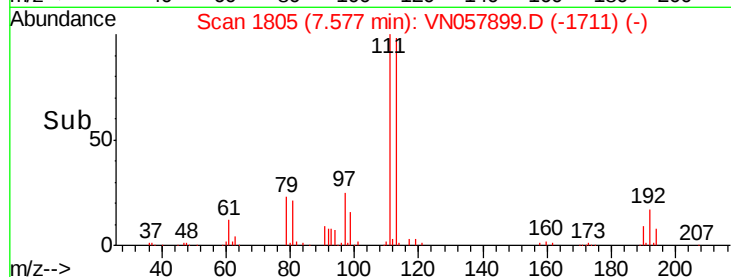
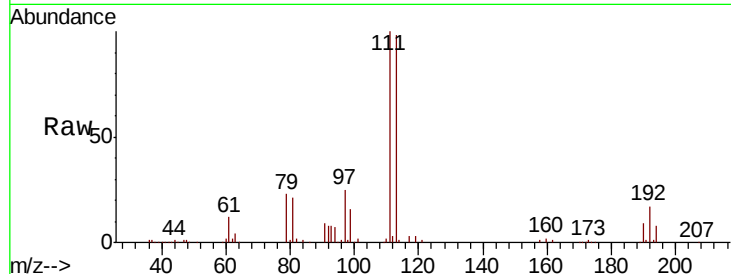
#35
 Dibromofluoromethane
 Concen: 48.662 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	234875		
111	101.0	81.3	121.9	
192	17.6	14.6	22.0	

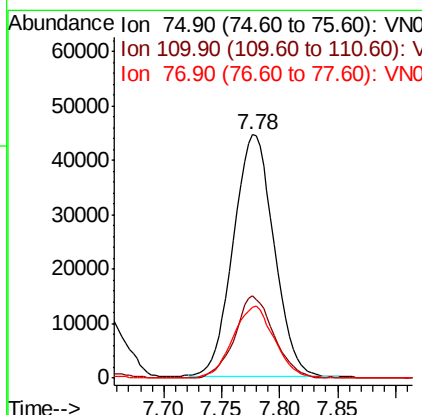
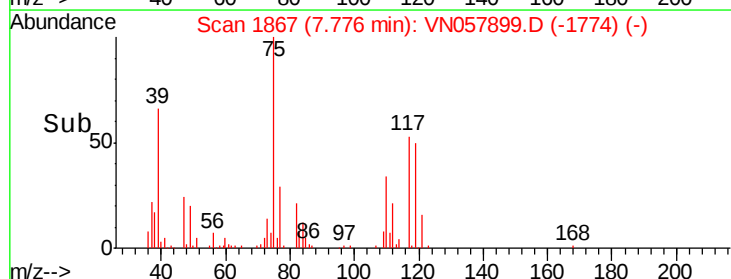
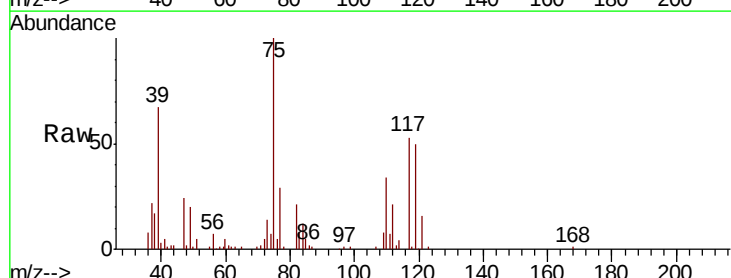
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#36
 1,1-Dichloropropene
 Concen: 17.834 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108158		
110	32.7	16.3	48.9	
77	30.1	25.0	37.4	





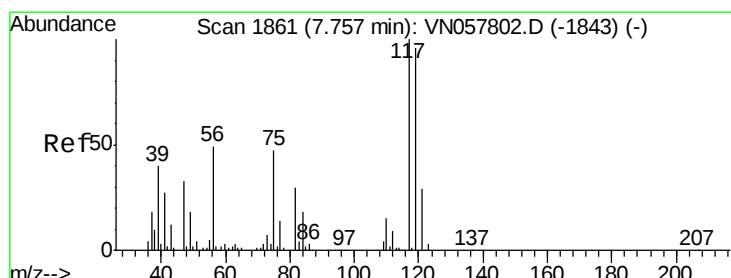
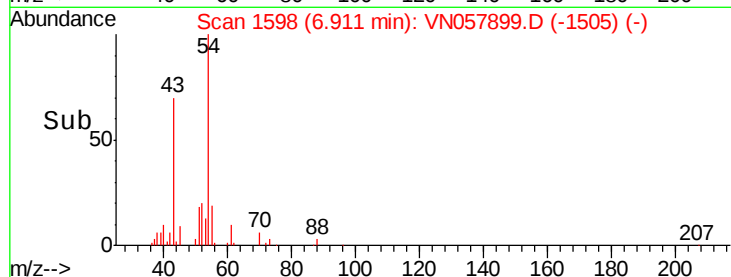
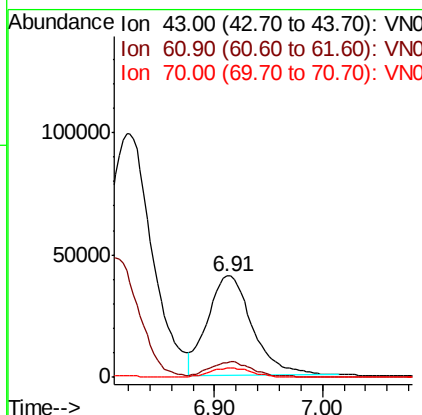
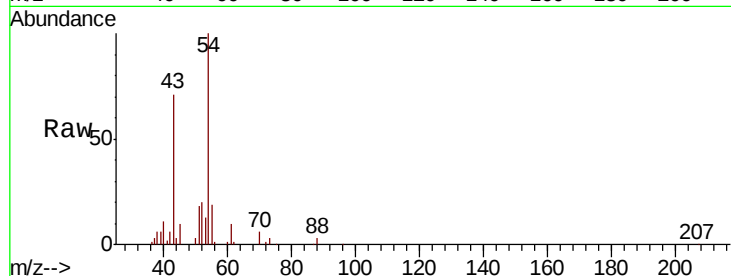
#37
Ethyl Acetate
Concen: 18.842 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampled :
VN0911WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.2	7.4	11.0

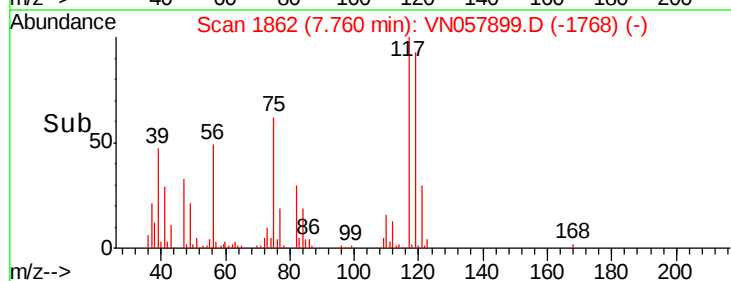
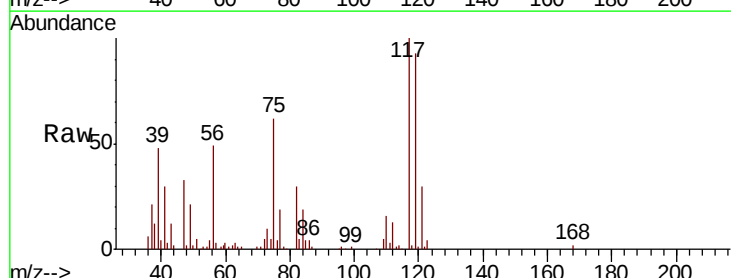
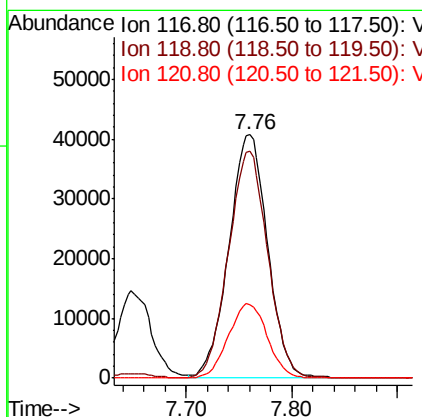
Manual Integrations
APPROVED

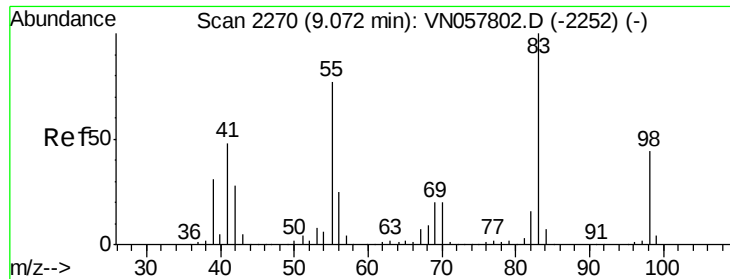
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.791 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.9	115.3
121	30.1	23.4	35.2





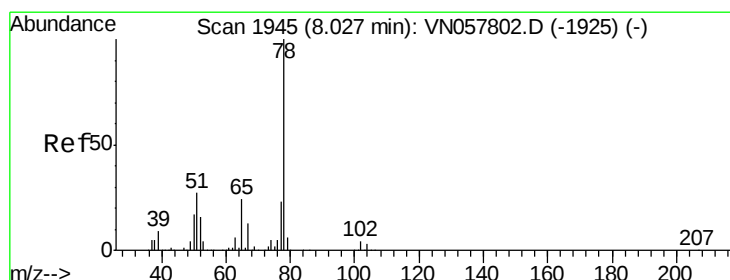
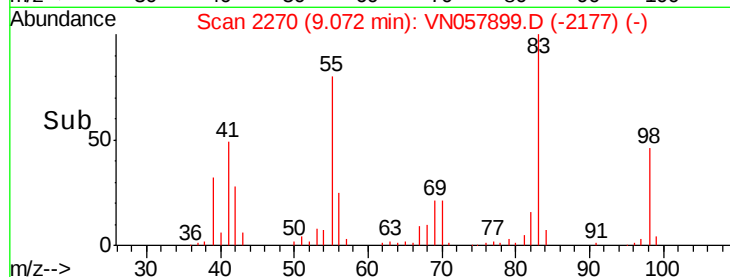
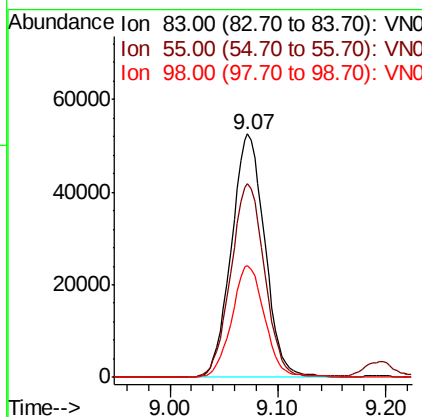
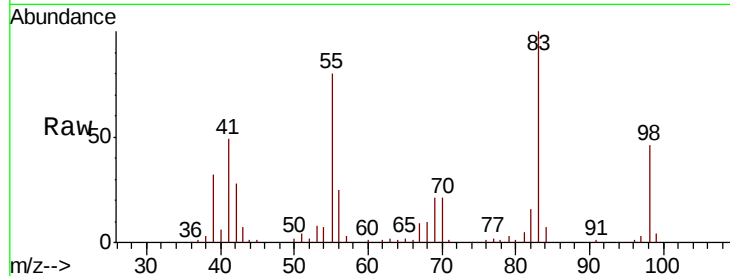
#39
Methvlcvclohexane
Concen: 17.761 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.6	92.4
98	45.9	34.9	52.3

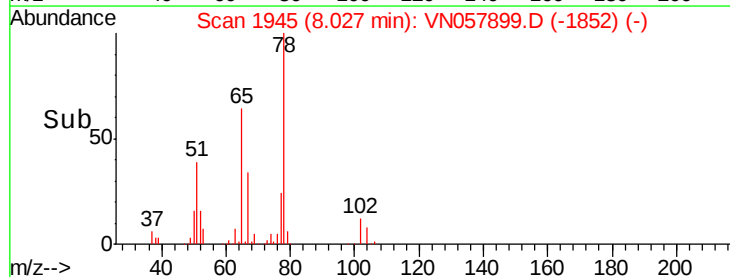
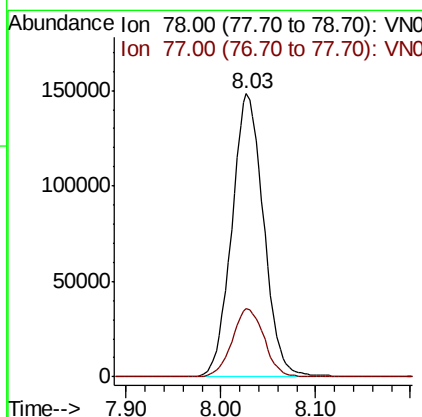
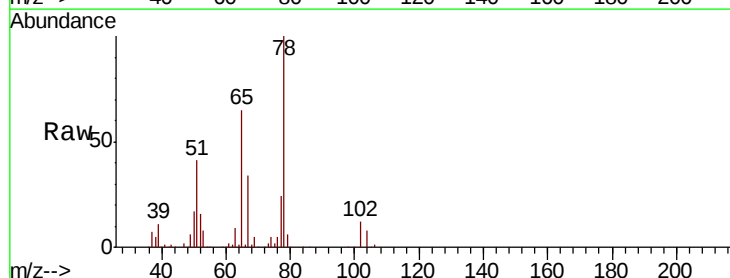
Manual Integrations
APPROVED

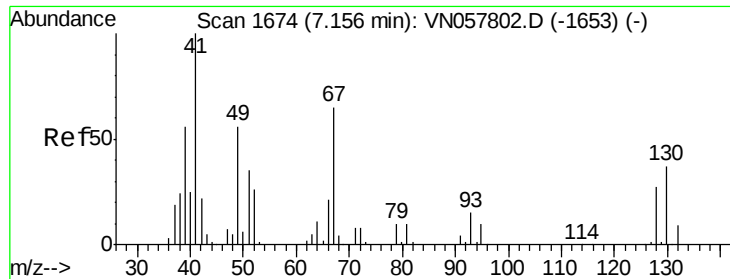
MMDadoda
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#40
Benzene
Concen: 18.961 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.3	27.5





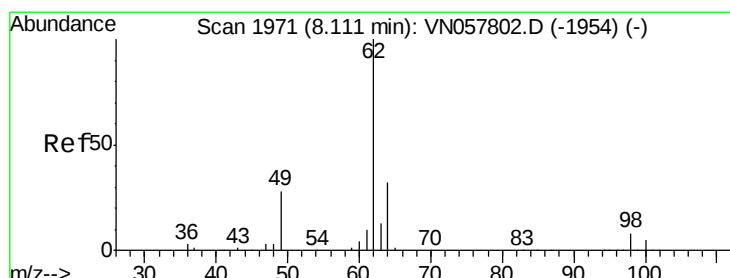
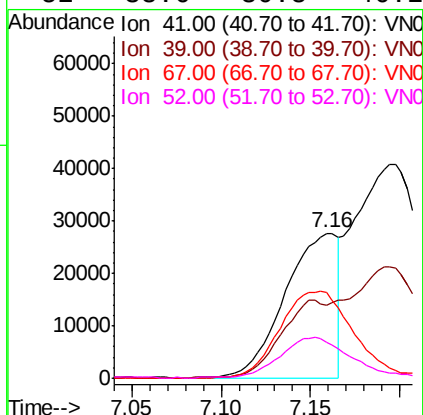
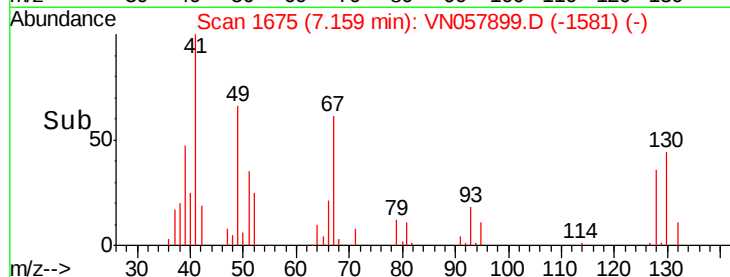
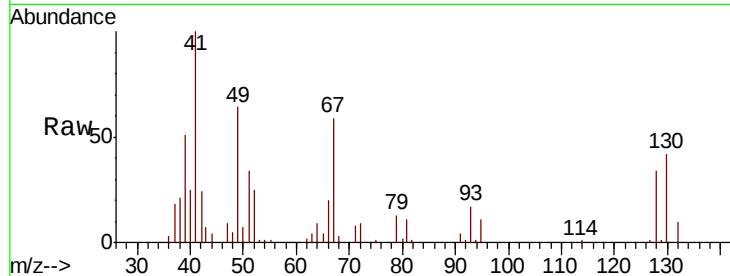
#41
Methacrylonitrile
Concen: 20.110 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	46.2	51.0	76.6	
67	83.7	70.7	106.1	
52	38.6	30.8	46.2	

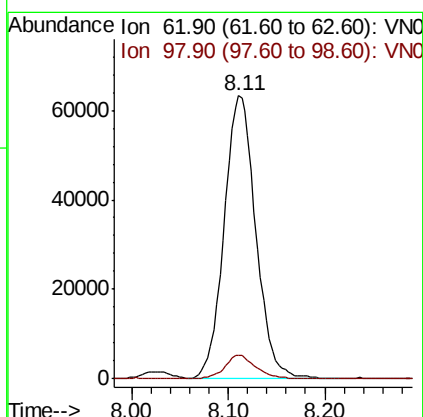
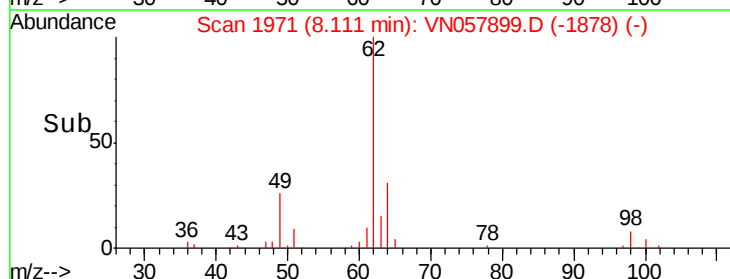
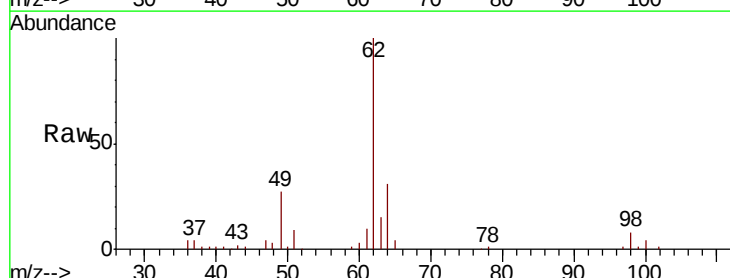
Manual Integrations
APPROVED

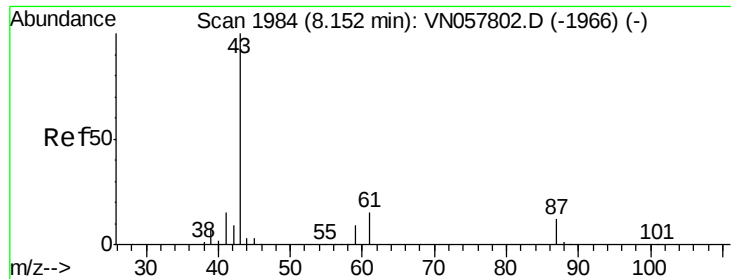
MMDadoda
9/13/2019 7:07:01 AM



#42
1,2-Dichloroethane
Concen: 19.728 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	15.8	





#43

Isopropyl Acetate

Concen: 19.349 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

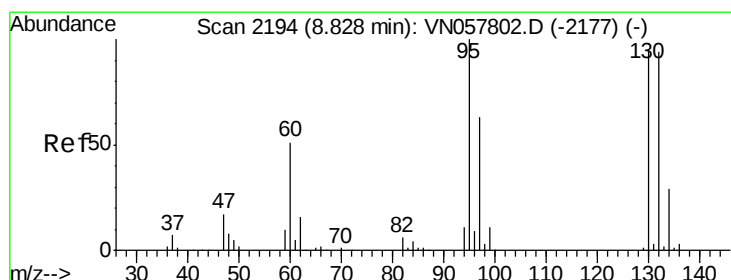
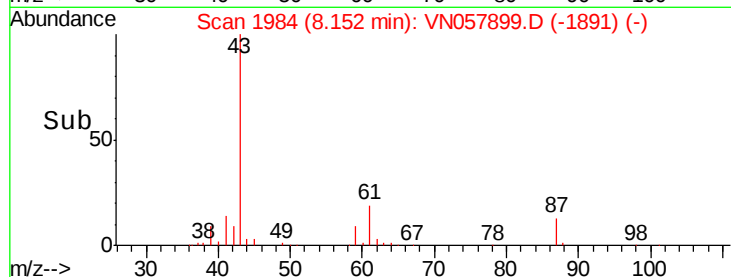
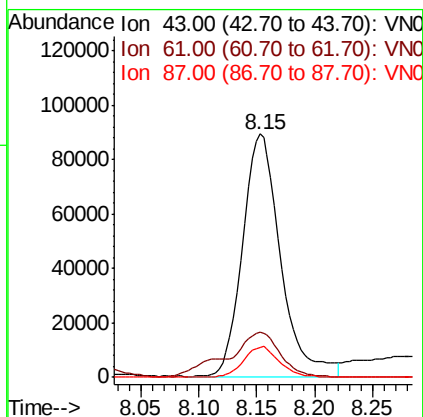
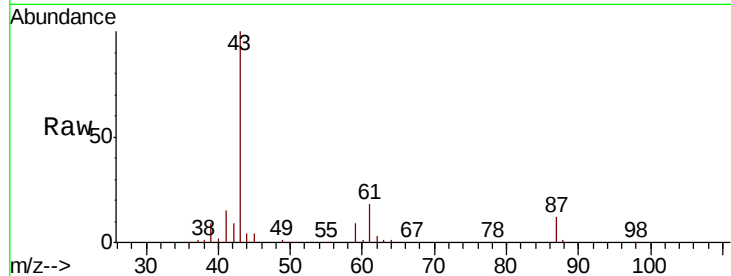
ClientSampleId :

VN0911WBS02

Tot Ion:	43	Resp:	203896
Ion	Ratio	Lower	Upper
43	100		
61	18.7	20.1	30.1#
87	12.0	9.5	14.3

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#44

Trichloroethene

Concen: 18.963 ug/l

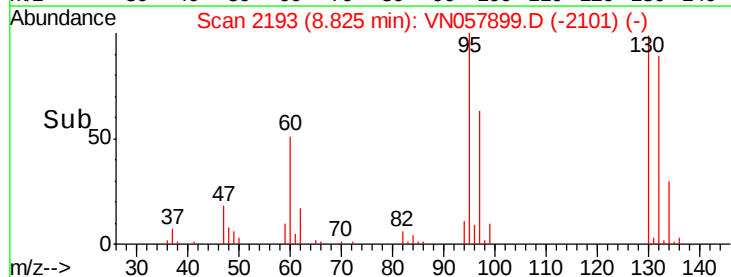
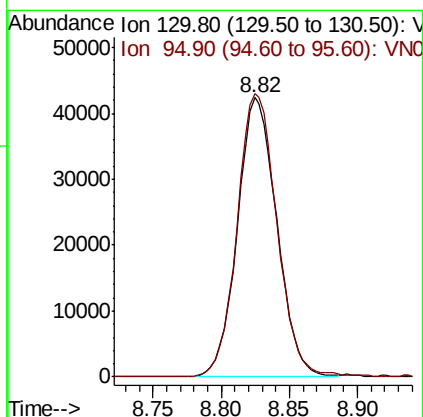
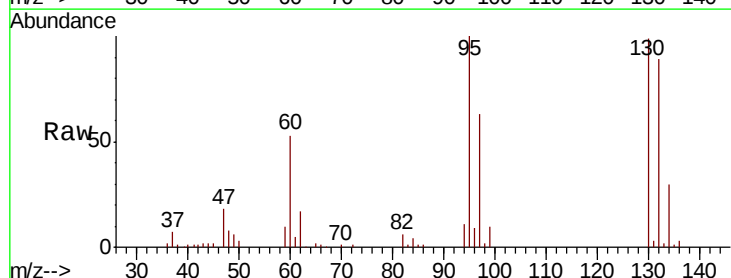
RT: 8.82 min Scan# 2193

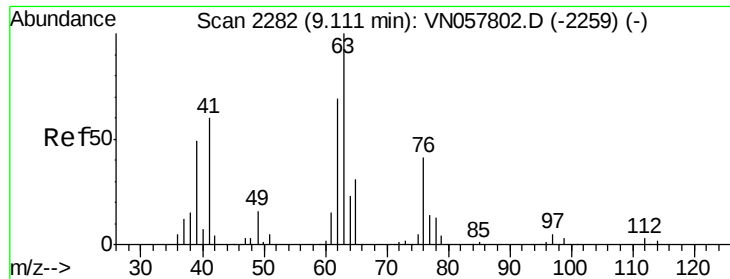
Delta R.T. -0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	130	Resp:	84924
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	211.4





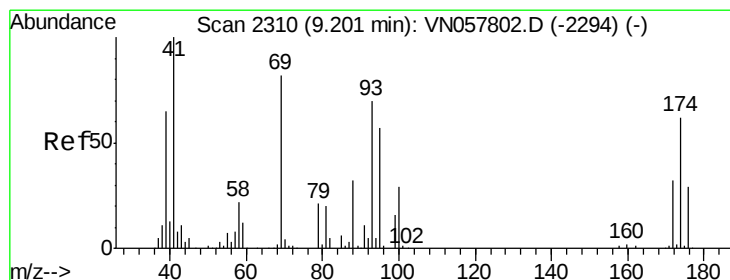
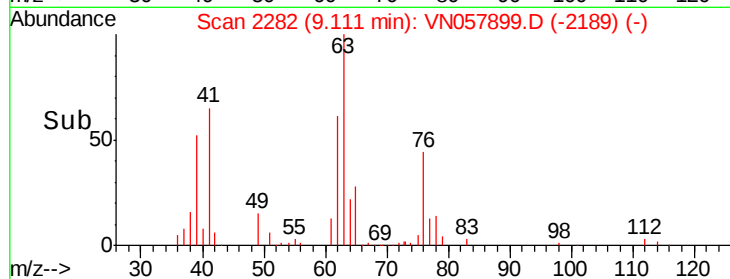
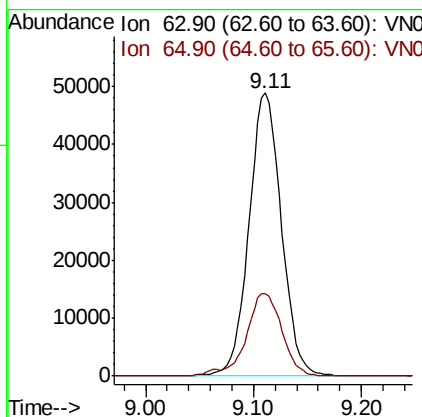
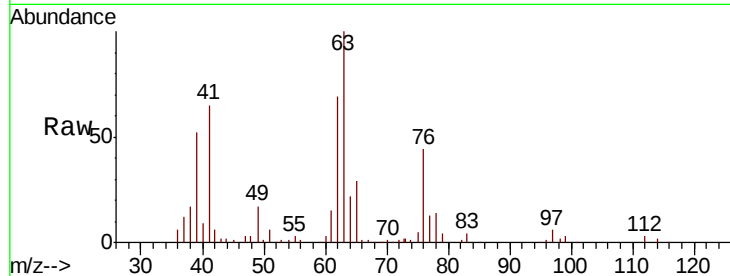
#45
 1,2-Dichloropropane
 Concen: 19.209 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.8	37.2

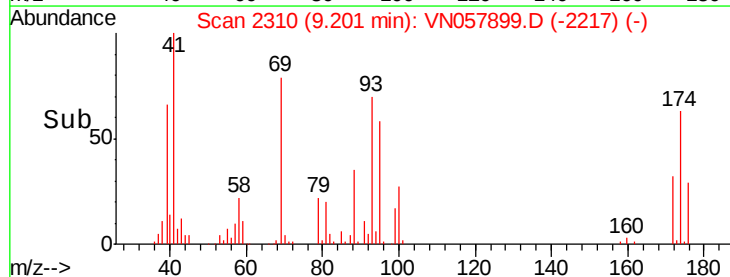
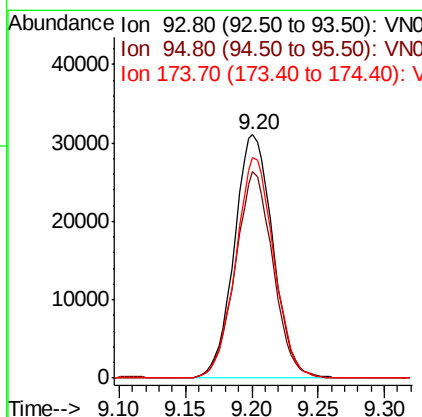
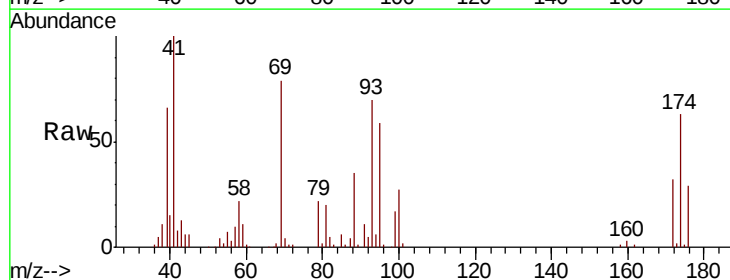
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#46
 Dibromomethane
 Concen: 19.584 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.9	98.9
174	89.8	71.8	107.6





#47

Bromodichloromethane

Concen: 19.208 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

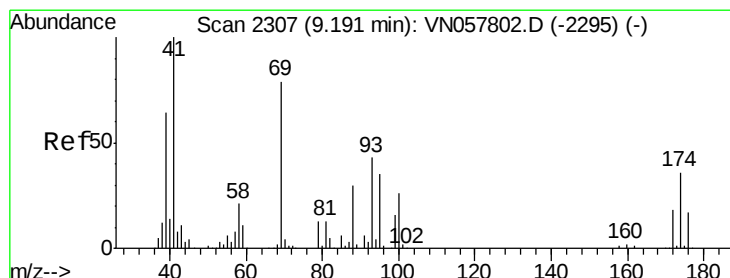
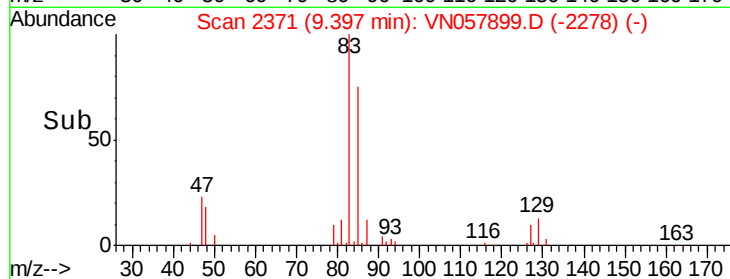
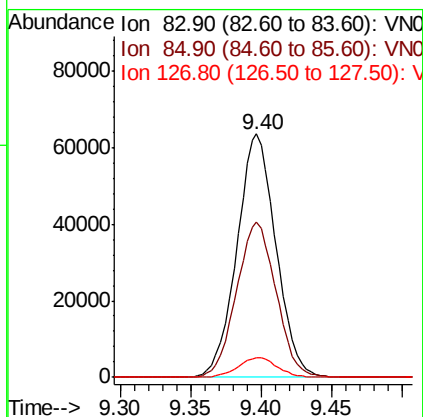
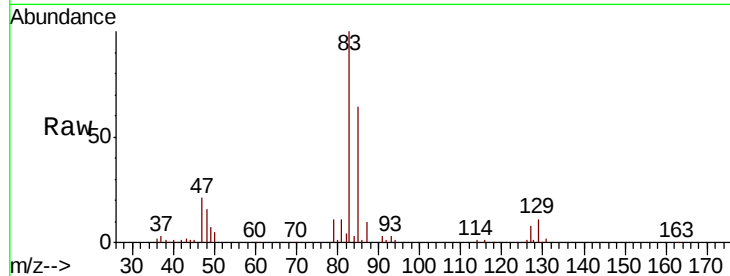
ClientSampleId :

VN0911WBS02

Tot Ion:	83	Resp:	123146
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.9	74.9
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.173 ug/l

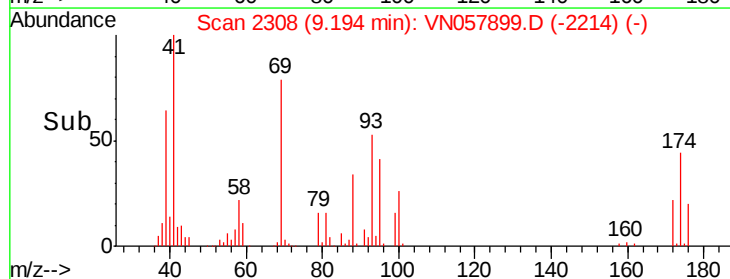
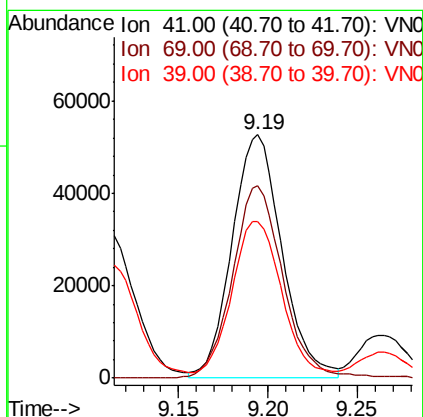
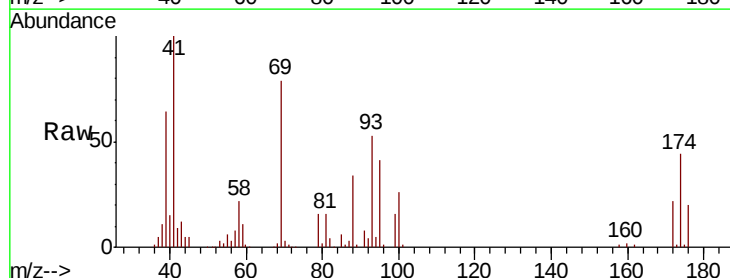
RT: 9.19 min Scan# 2308

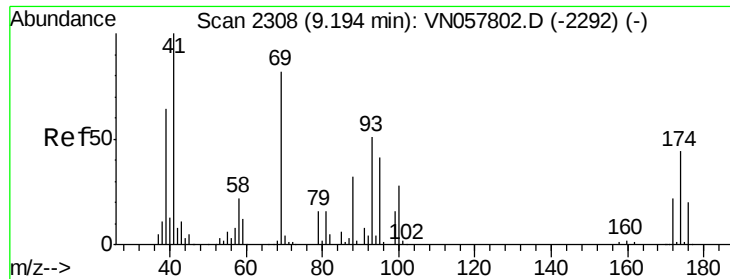
Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	41	Resp:	102488
Ion Ratio	Lower	Upper	
41	100		
69	79.9	62.7	94.1
39	65.1	52.7	79.1





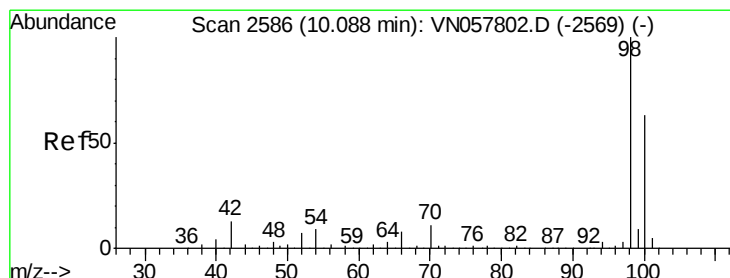
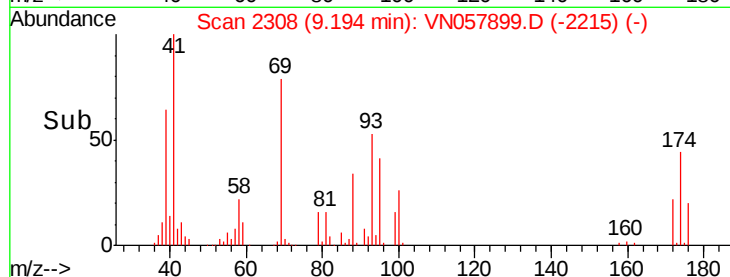
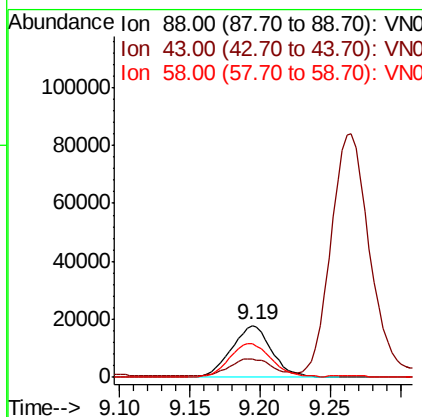
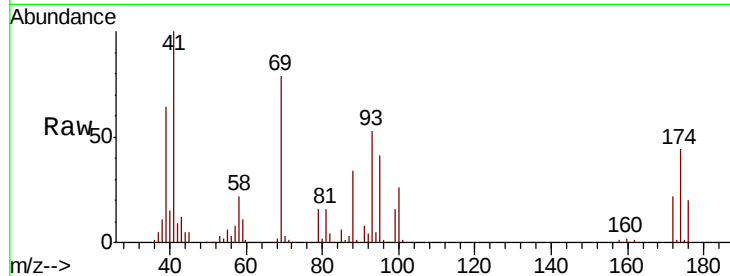
#49
 1,4-Dioxane
 Concen: 395.755 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS02

Tot Ion	88	Resp	35774
Ion Ratio	Lower	Upper	
88	100		
43	35.1	28.5	42.7
58	68.6	55.8	83.6

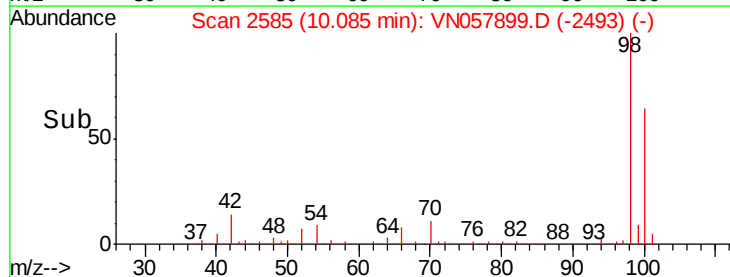
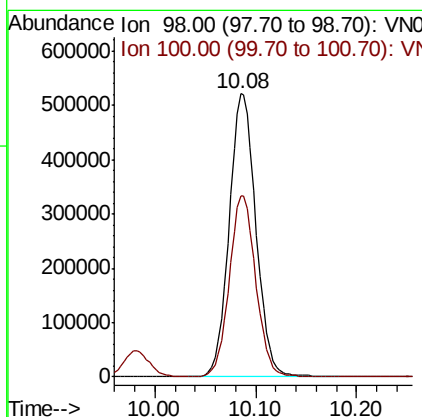
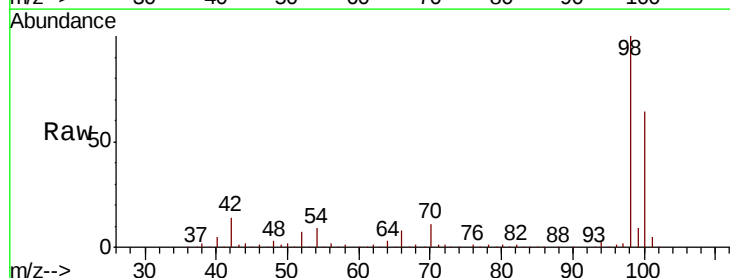
Manual Integrations
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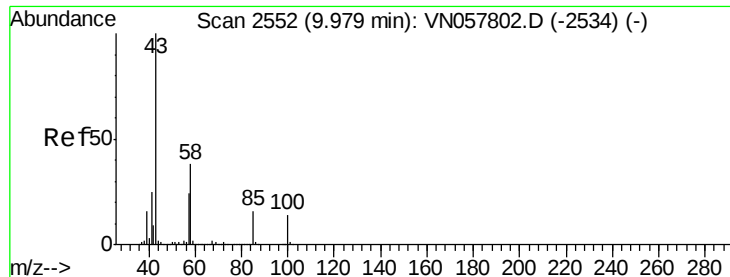
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#50
 Toluene-d8
 Concen: 51.364 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	98	Resp	962531
Ion Ratio	Lower	Upper	
98	100		
100	63.3	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 103.747 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 43 Resp: 646943

Ion Ratio Lower Upper

43 100

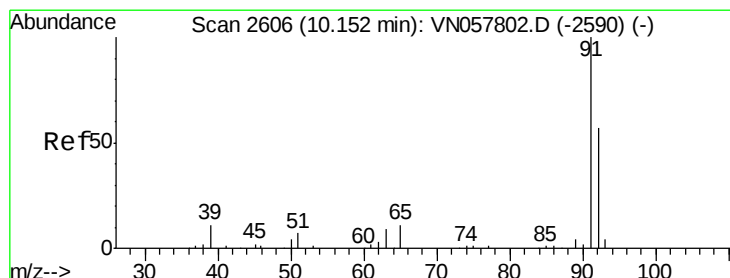
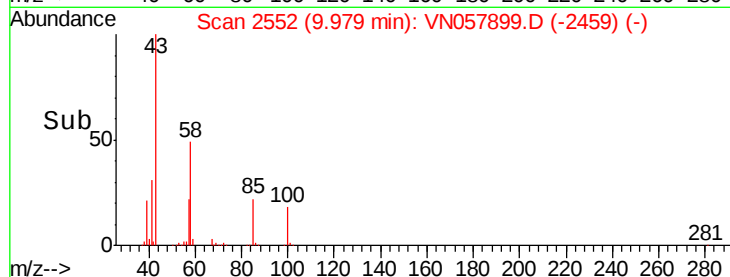
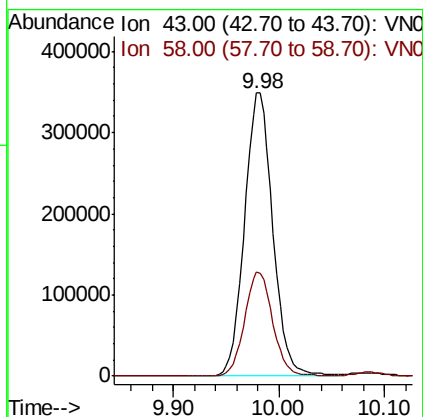
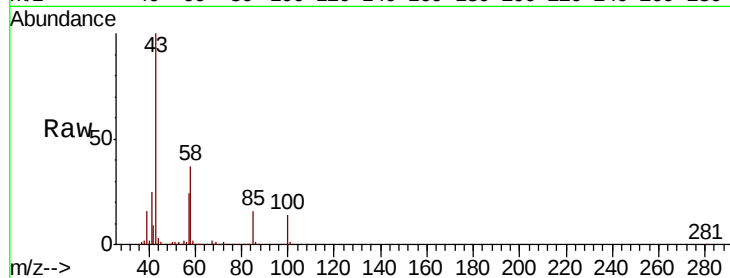
58 36.8 29.8 44.6

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#52

Toluene

Concen: 19.203 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057899.D

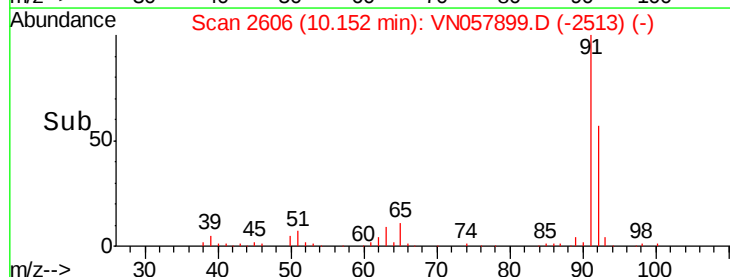
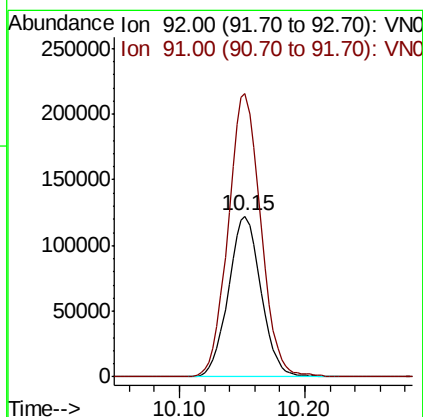
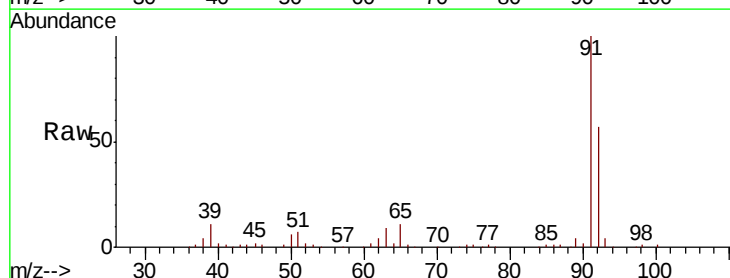
Acq: 11 Sep 2019 5:32

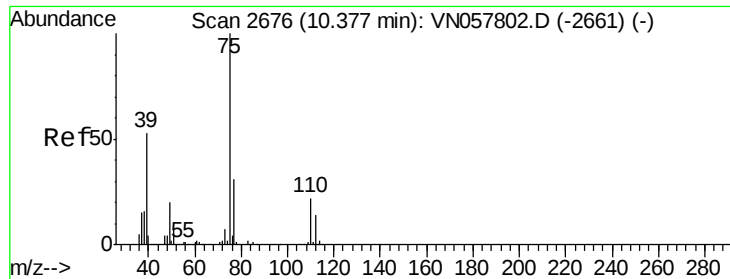
Tgt Ion: 92 Resp: 220842

Ion Ratio Lower Upper

92 100

91 176.7 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 16.911 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 75 Resp: 114176

Ion Ratio Lower Upper

75 100

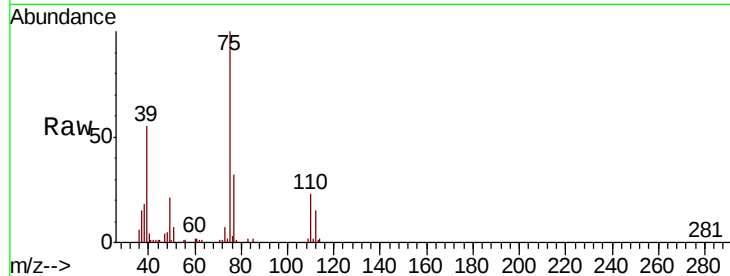
77 32.1 24.5 36.7

Manual Integrations

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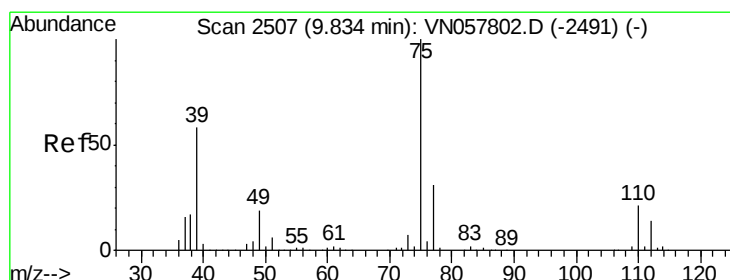
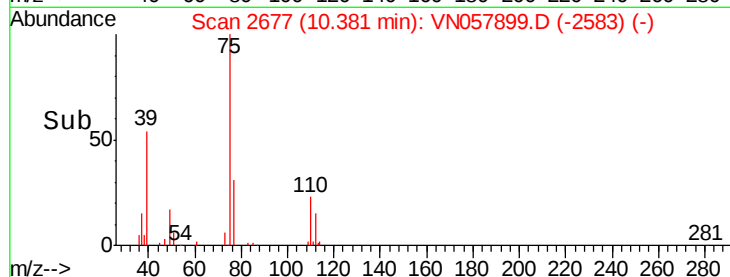
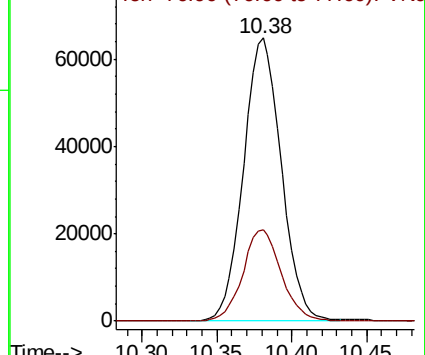
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.870 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

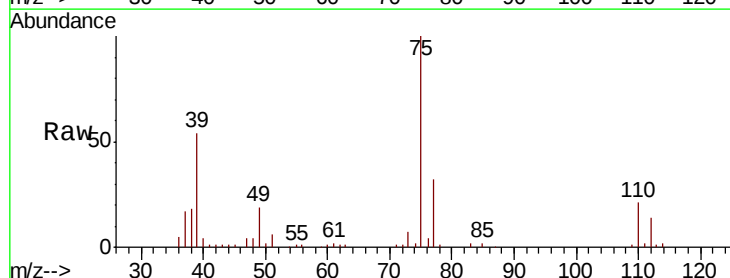
Tgt Ion: 75 Resp: 133202

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

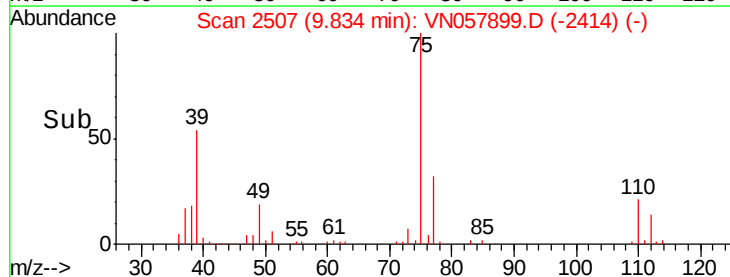
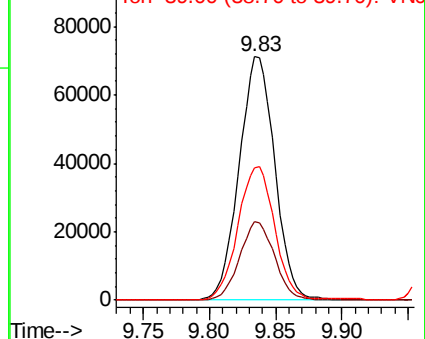
39 54.0 46.2 69.4

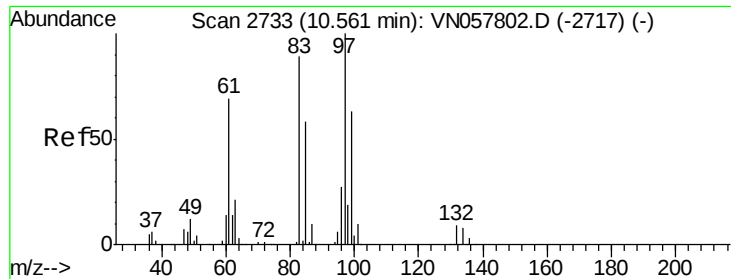


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.606 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

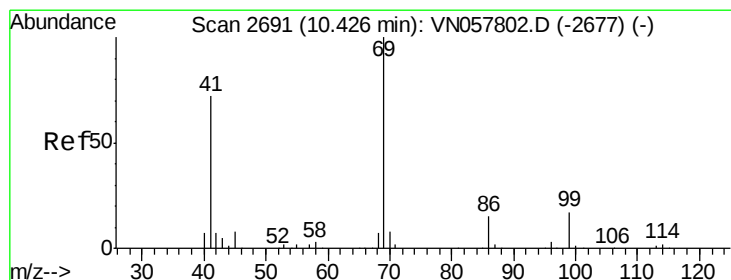
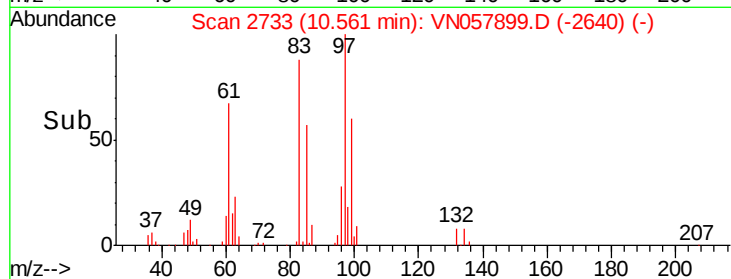
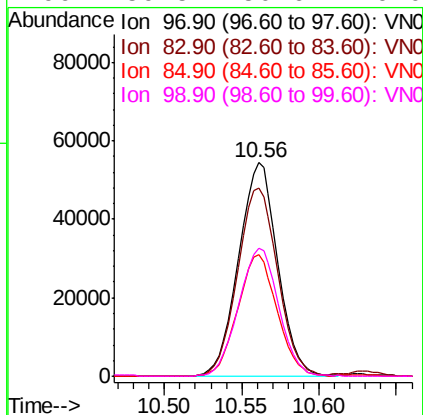
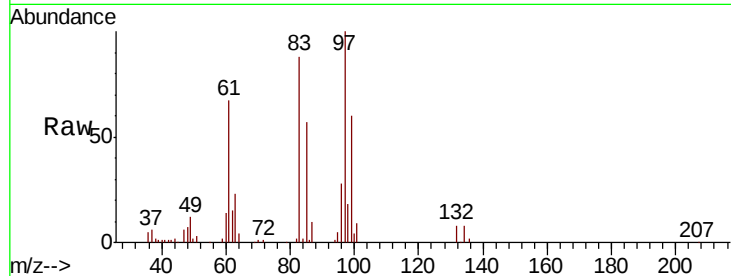
ClientSampleId :

VN0911WBS02

Tot Ion:	97	Resp:	95507
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.8	106.2
85	56.8	46.0	69.0
99	59.5	50.6	76.0

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#56

Ethyl methacrylate

Concen: 19.255 ug/l

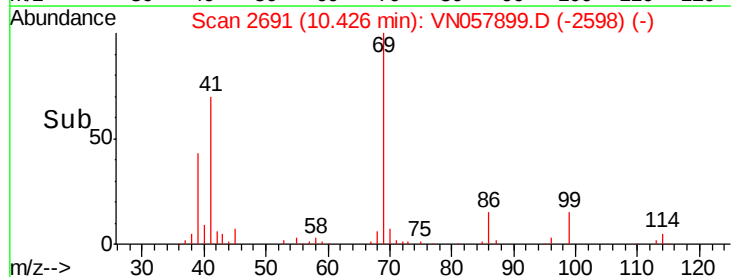
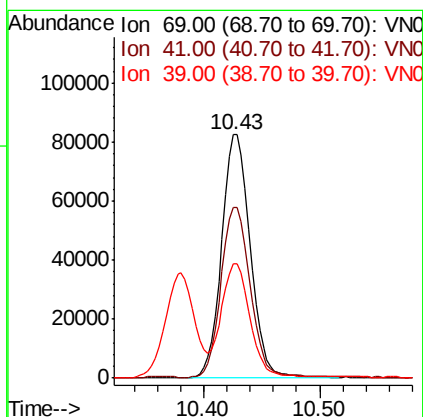
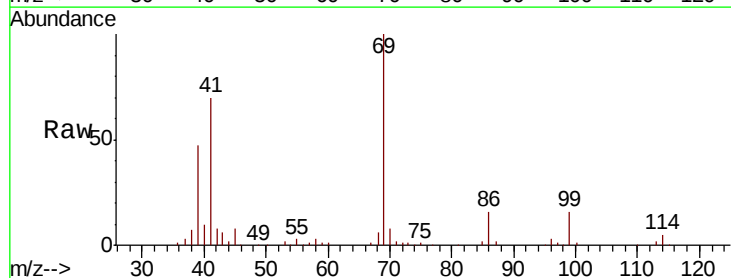
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	69	Resp:	141253
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	46.6	36.3	54.5





#57

1,3-Dichloropropane

Concen: 19.791 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 76 Resp: 166150

Ion Ratio Lower Upper

76 100

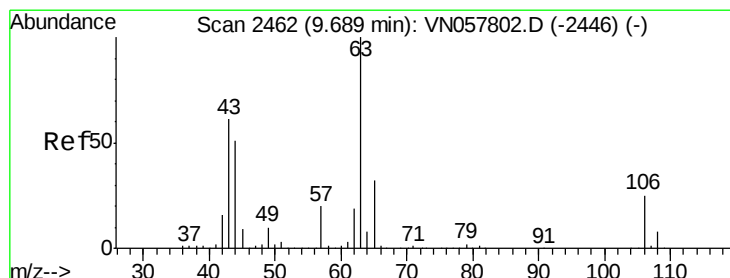
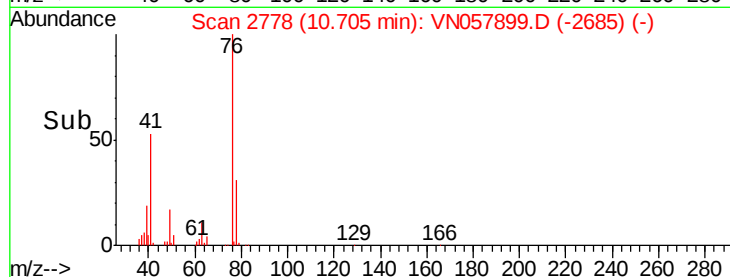
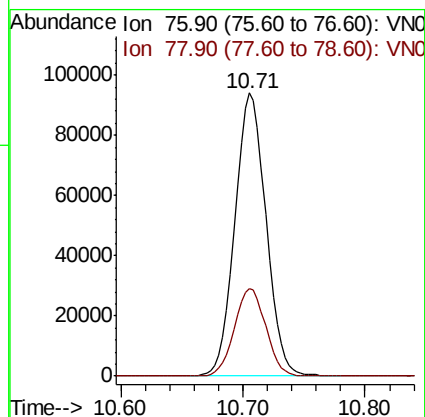
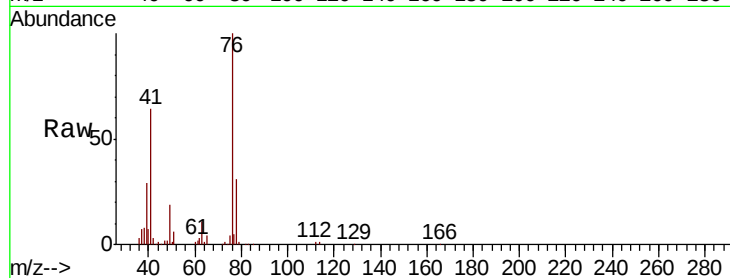
78 31.3 25.4 38.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.518 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057899.D

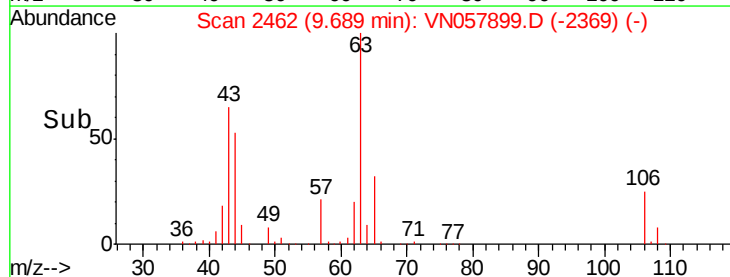
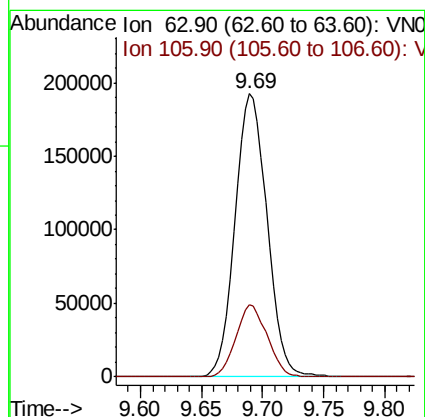
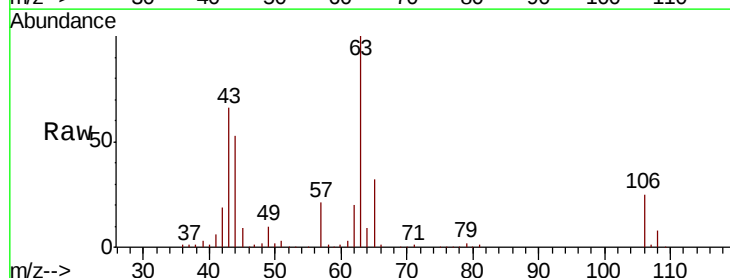
Acq: 11 Sep 2019 5:32

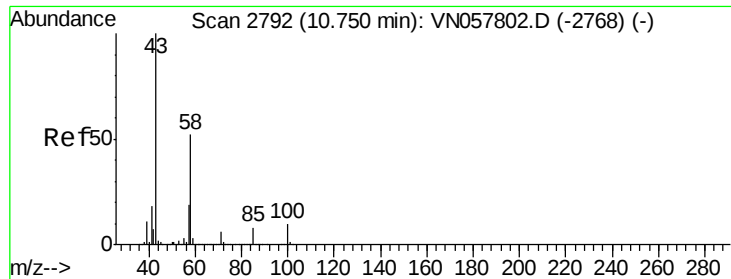
Tgt Ion: 63 Resp: 350757

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0





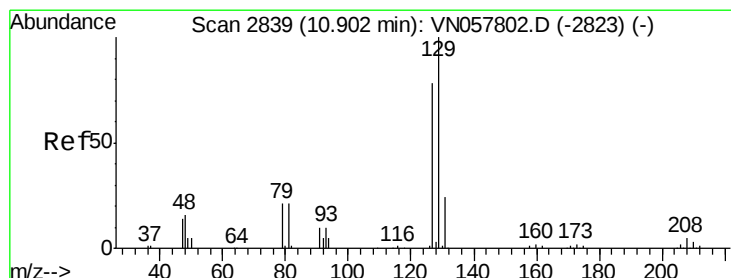
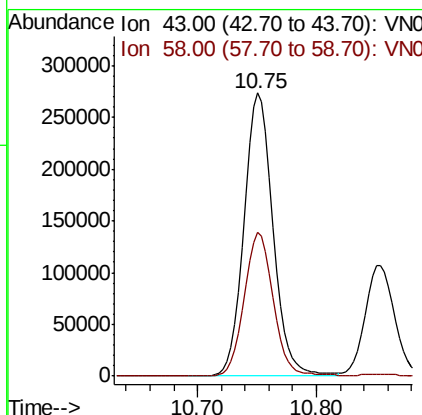
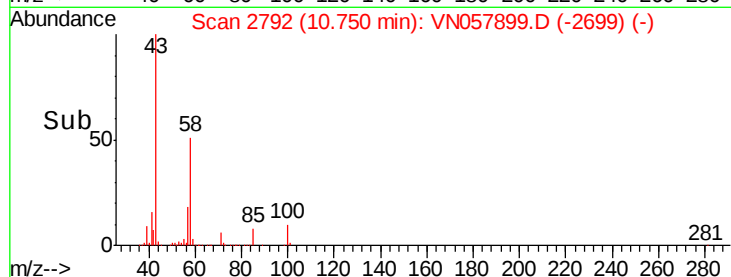
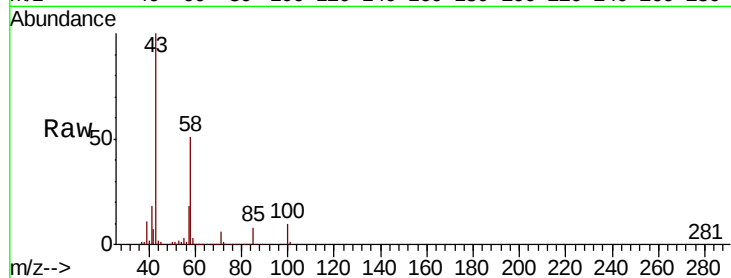
#59
2-Hexanone
Concen: 98.457 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion: 43 Resp: 460186
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8

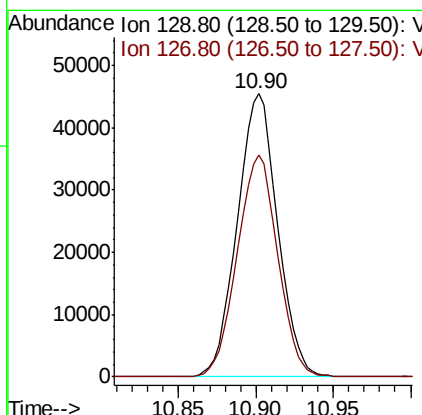
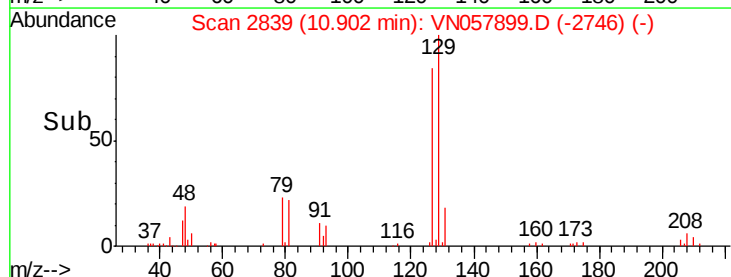
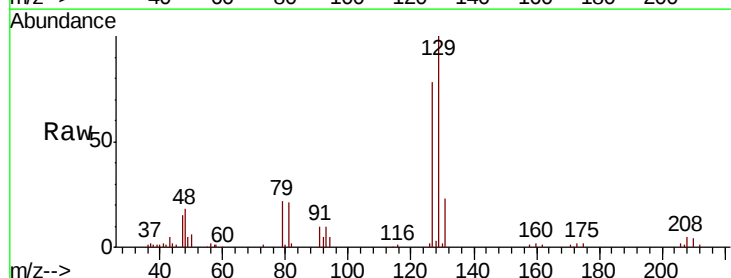
Manual Integrations
APPROVED

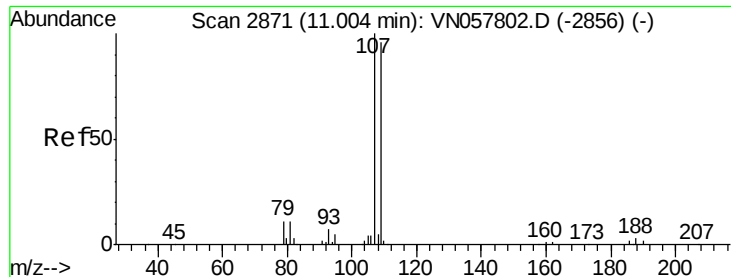
MMDadoda
9/13/2019 7:07:01 AM



#60
Dibromochloromethane
Concen: 18.251 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 129 Resp: 82561
Ion Ratio Lower Upper
129 100
127 78.6 38.6 116.0





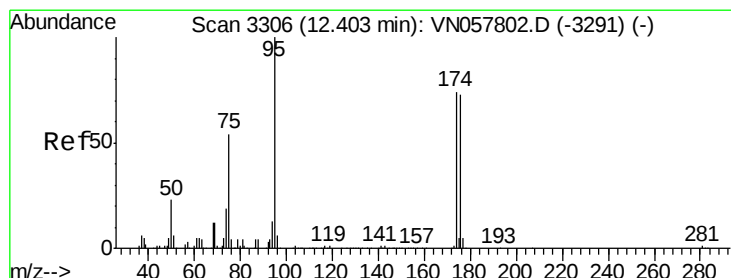
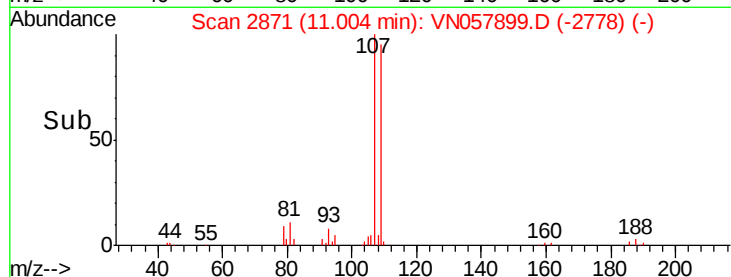
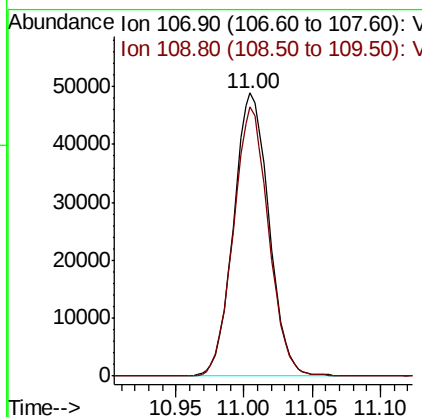
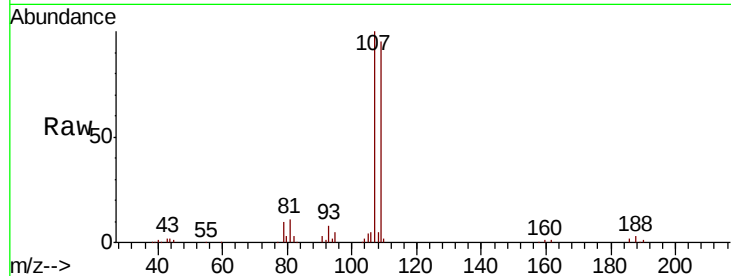
#61
 1,2-Dibromoethane
 Concen: 19.107 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.3	112.9

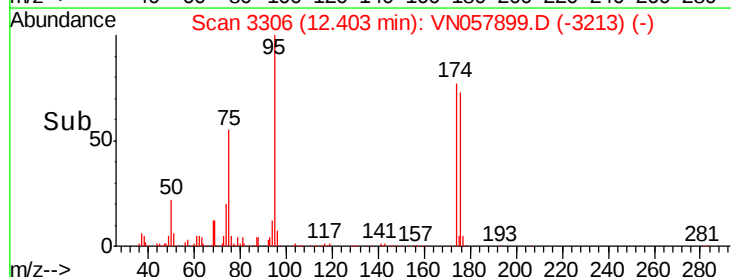
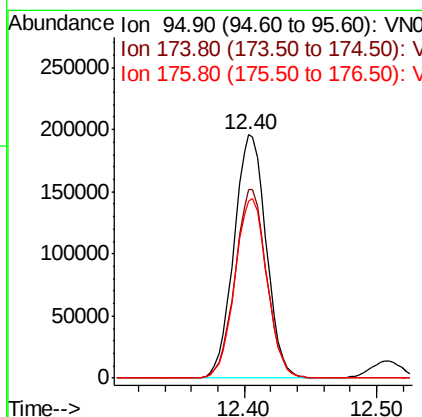
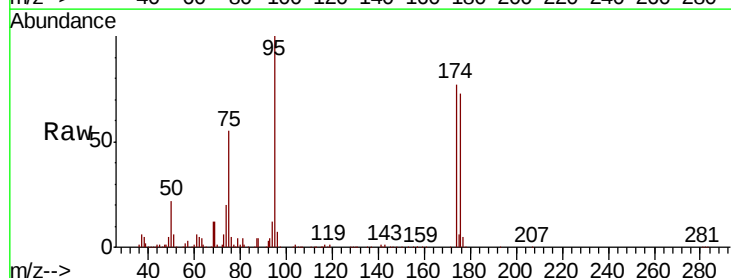
Manual Integrations
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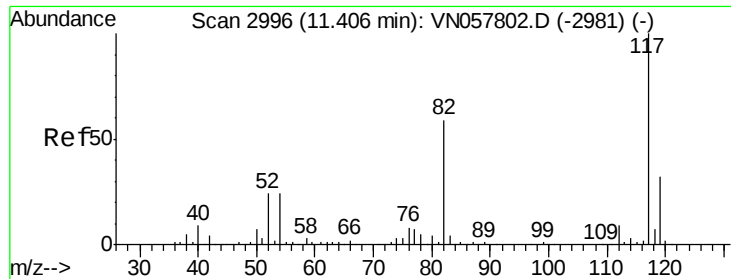
MMDadoda
 9/13/2019 7:07:01 AM



#62
 4-Bromofluorobenzene
 Concen: 46.194 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.2
176	73.5	0.0	146.0





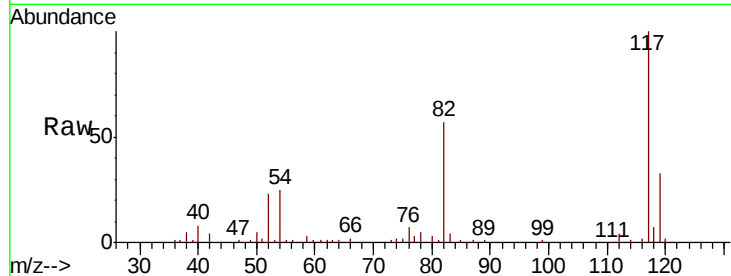
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	496613		
82	57.4	47.2	70.8	
119	32.5	25.3	37.9	

Manual Integrations
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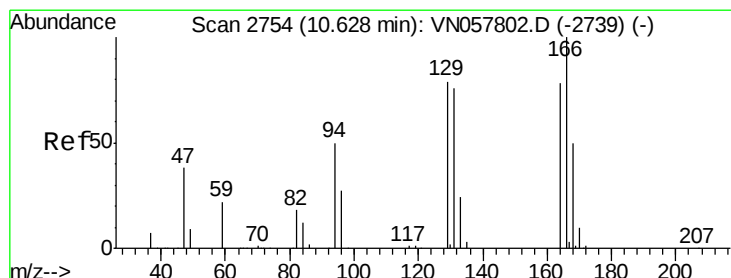
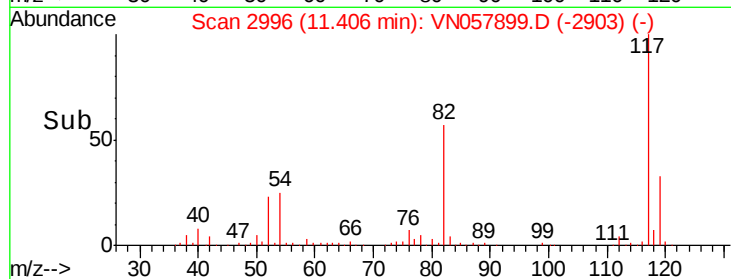
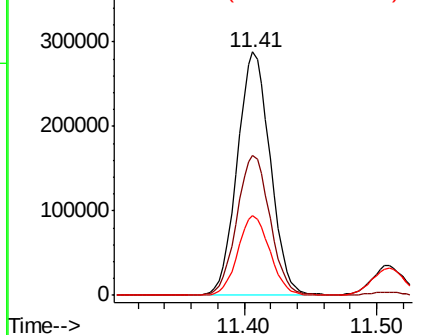


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.245 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70568		
166	121.6	102.2	153.2	
129	98.0	80.8	121.2	
131	95.0	77.4	116.2	

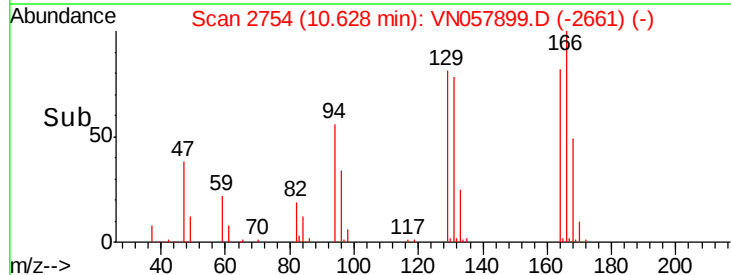
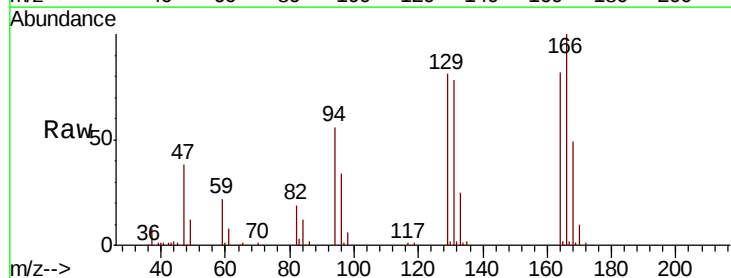
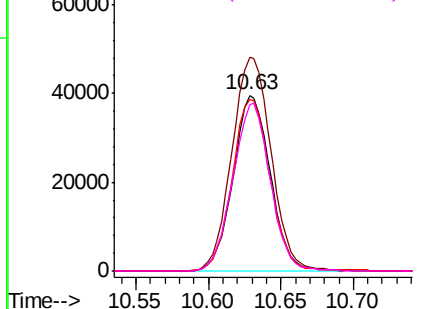
Abundance

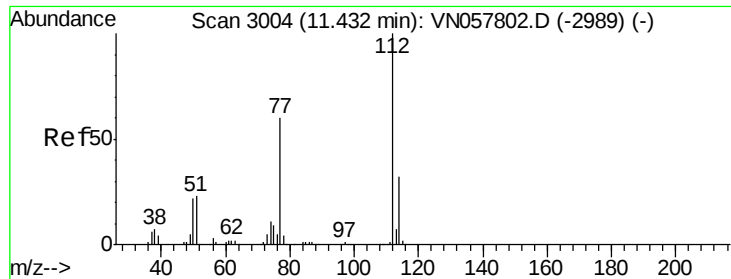
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





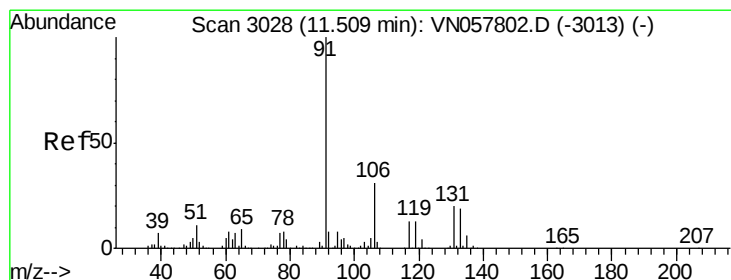
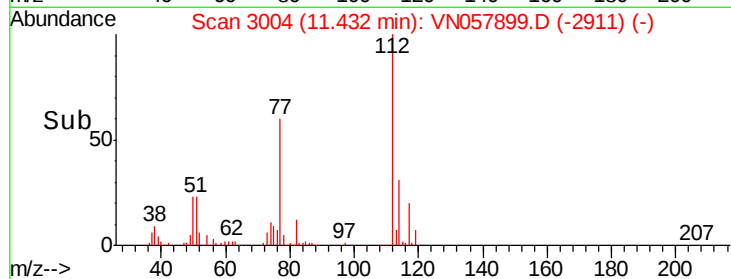
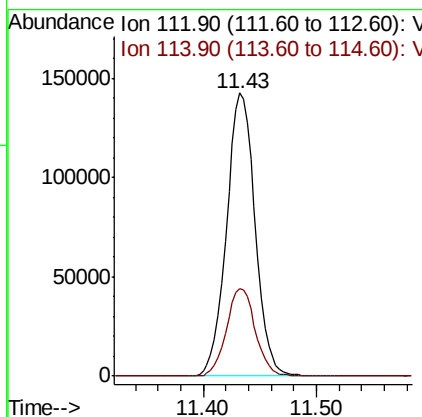
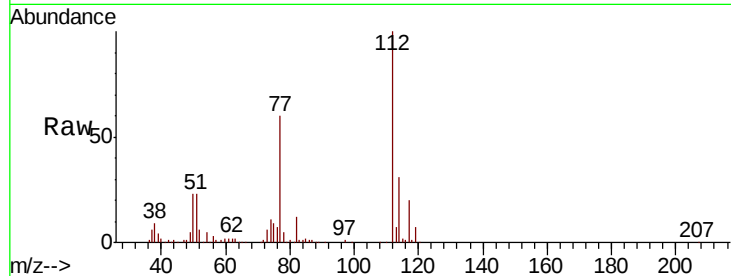
#65
Chlorobenzene
Concen: 19.274 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion:112 Resp: 250504
Ion Ratio Lower Upper
112 100
114 31.0 25.2 37.8

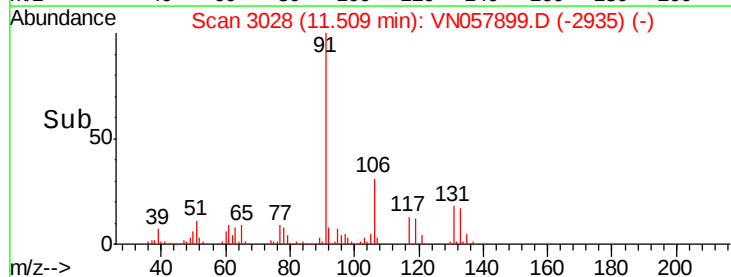
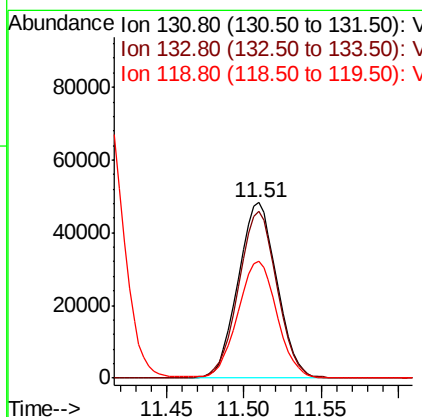
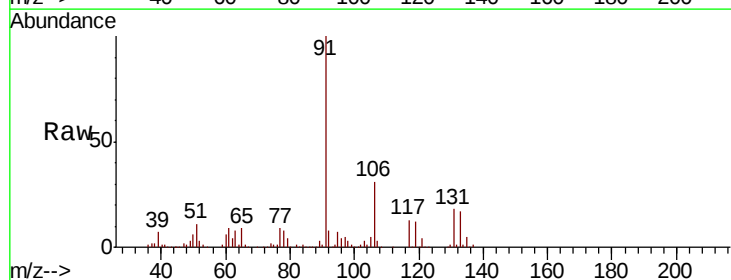
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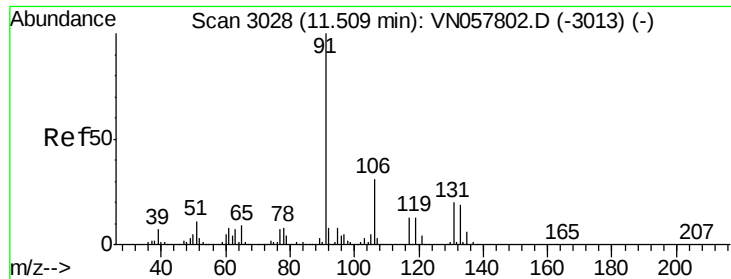
MMDadoda
9/13/2019 7:07:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.674 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion:131 Resp: 84218
Ion Ratio Lower Upper
131 100
133 94.5 47.1 141.3
119 67.6 33.3 99.8





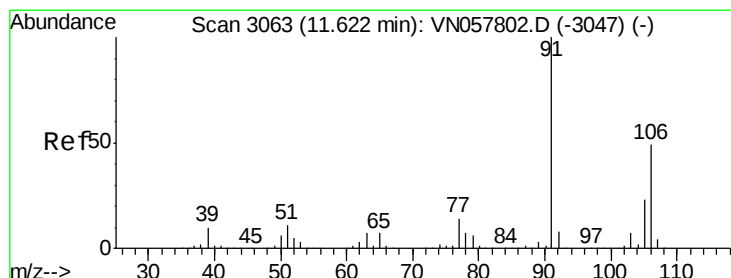
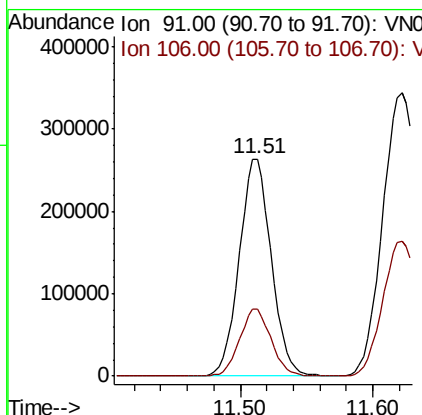
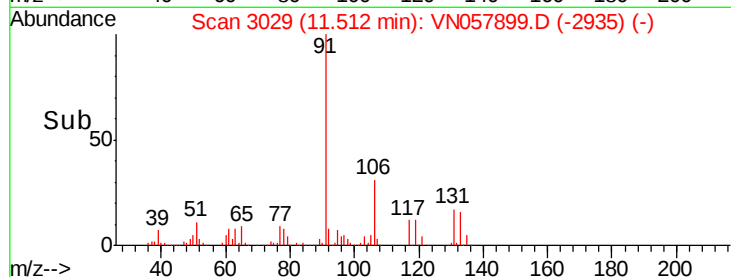
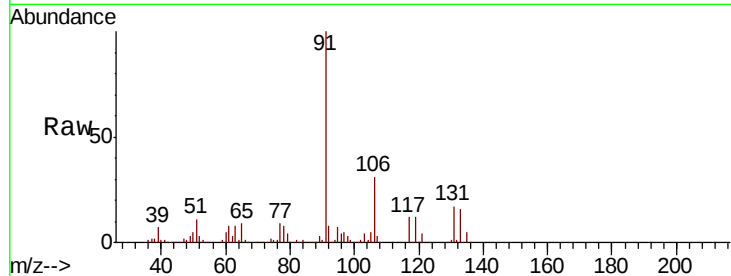
#67
Ethyl Benzene
Concen: 19.403 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion: 91 Resp: 441944
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

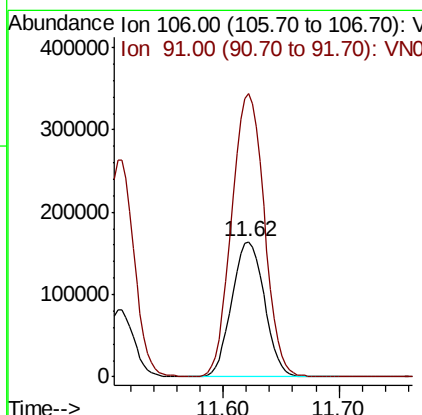
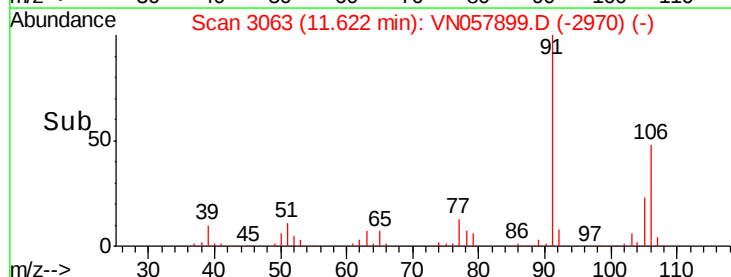
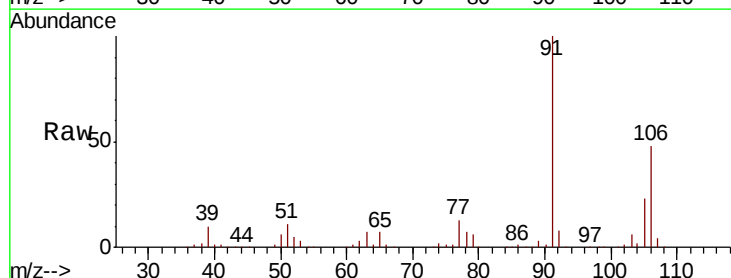
Manual Integrations
APPROVED

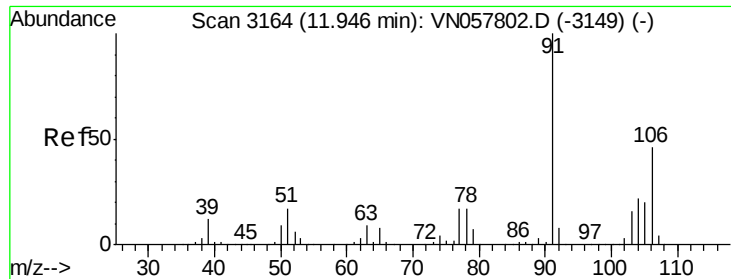
MMDadoda
9/13/2019 7:07:01 AM



#68
m/p-Xylenes
Concen: 38.423 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 106 Resp: 320575
Ion Ratio Lower Upper
106 100
91 208.9 165.8 248.6





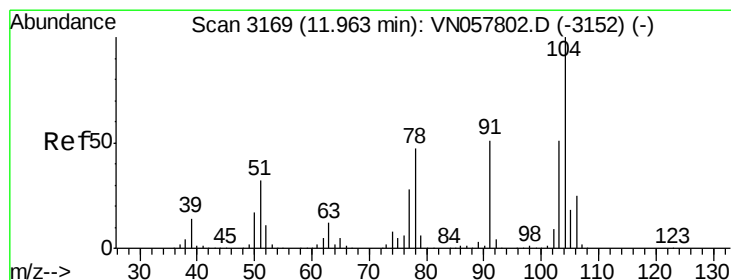
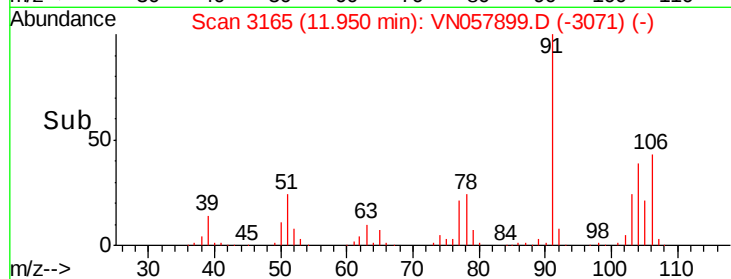
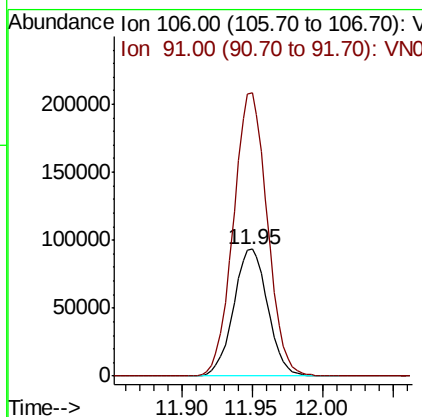
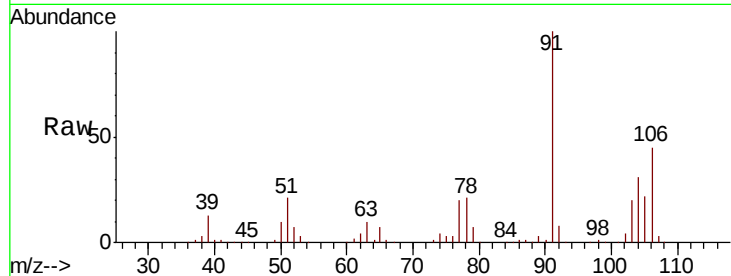
#69
o-Xylene
Concen: 19.133 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion:106 Resp: 158702
Ion Ratio Lower Upper
106 100
91 221.6 108.7 326.1

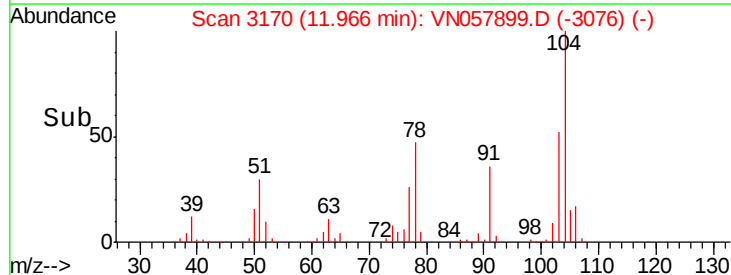
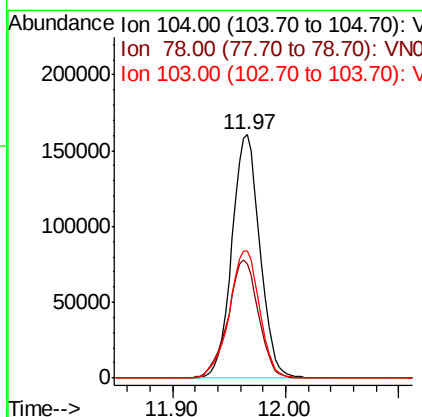
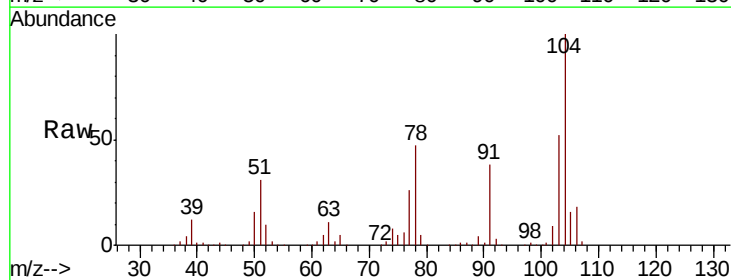
Manual Integrations
APPROVED

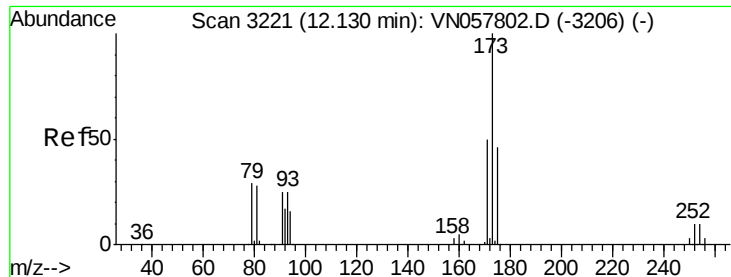
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#70
Styrene
Concen: 19.393 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion:104 Resp: 276832
Ion Ratio Lower Upper
104 100
78 52.9 41.3 61.9
103 56.7 43.7 65.5





#71

Bromoform

Concen: 17.443 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

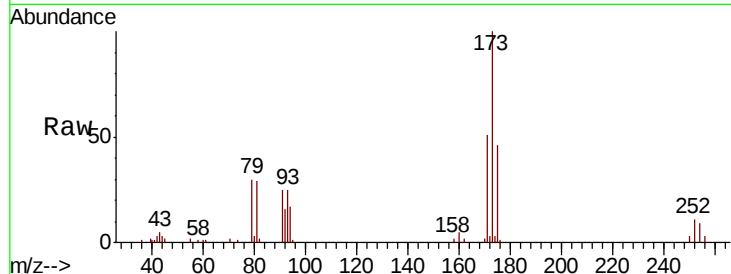
ClientSampleId :

VN0911WBS02

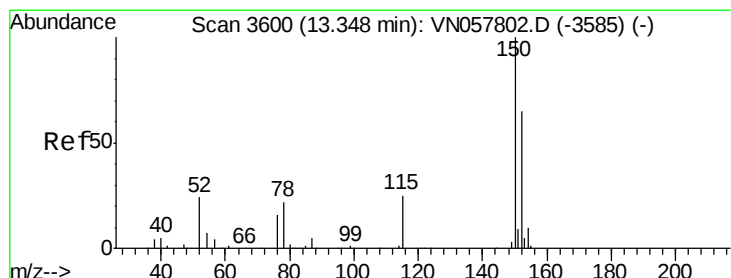
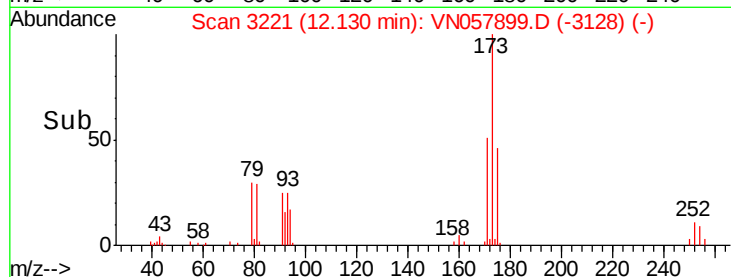
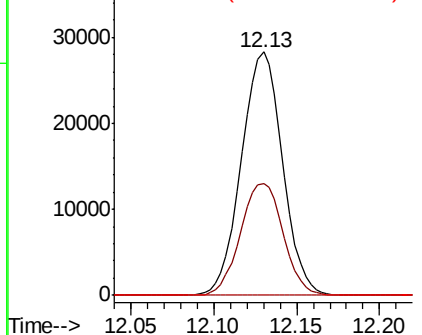
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.5	70.6
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

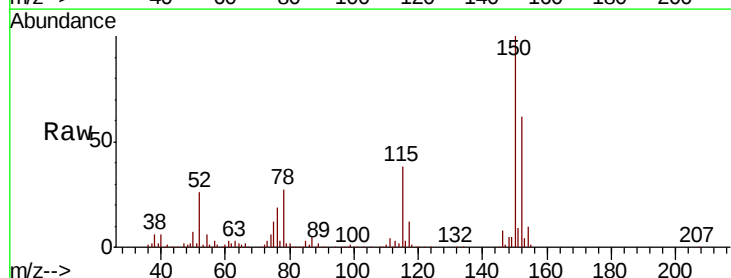
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

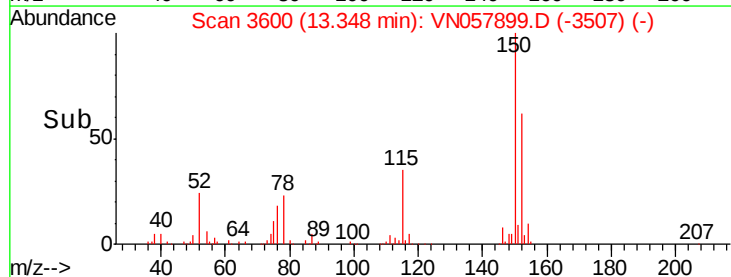
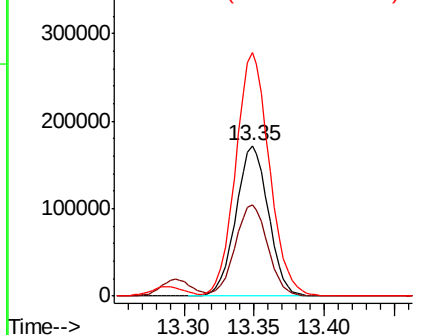
Lab File: VN057899.D

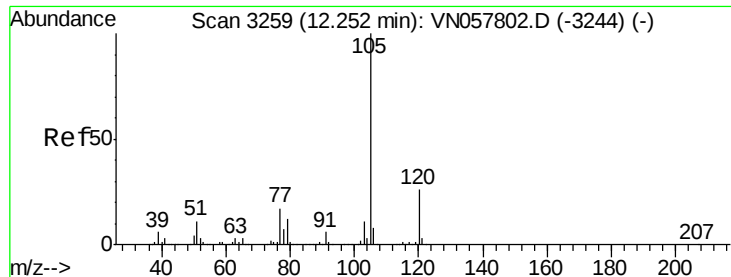
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.3	91.0
150	167.2	0.0	352.4



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





#73

Isopropylbenzene

Concen: 20.723 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 105 Resp: 447353

Ion Ratio Lower Upper

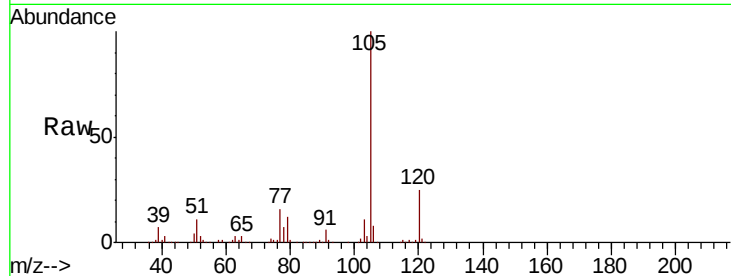
105 100

120 25.7 12.8 38.4

Manual Integrations
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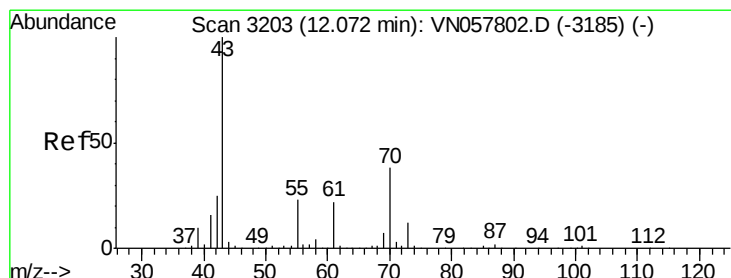
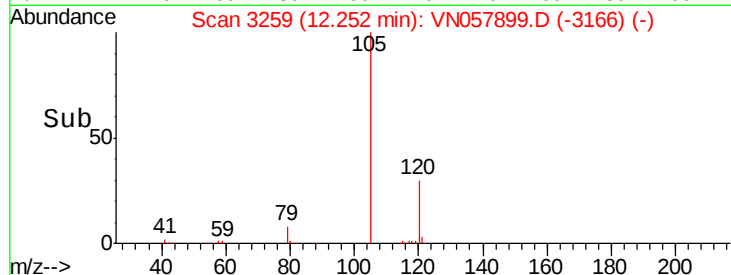
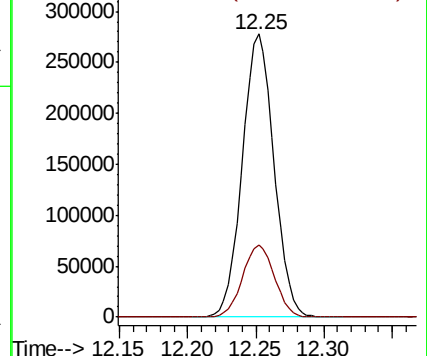
MMDadoda

9/13/2019 7:07:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.530 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion: 43 Resp: 183479

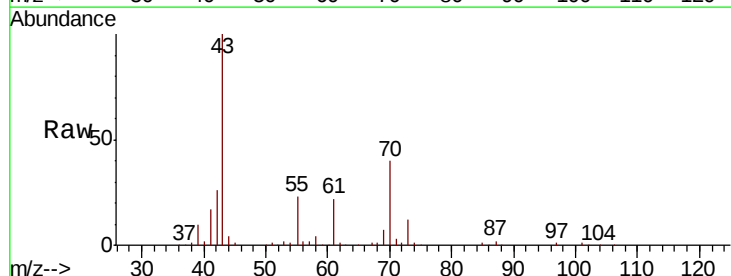
Ion Ratio Lower Upper

43 100

70 40.3 30.6 45.8

55 23.2 18.6 27.8

61 21.5 17.4 26.2

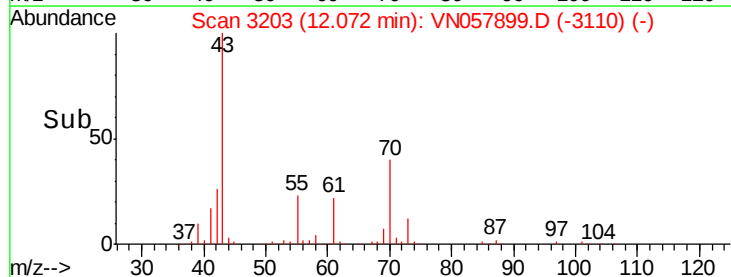
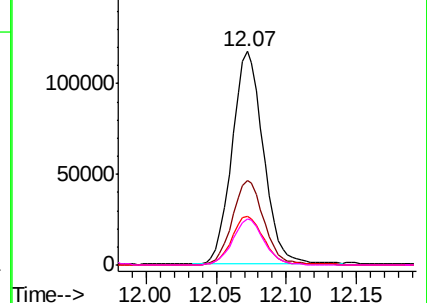


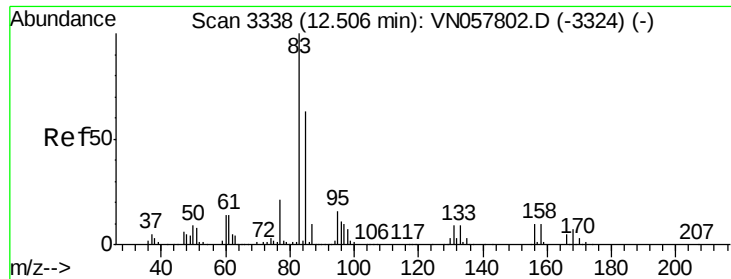
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.913 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

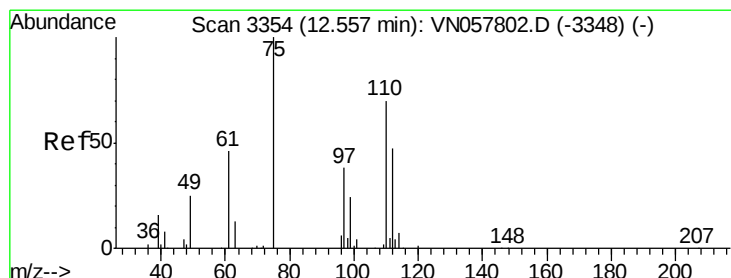
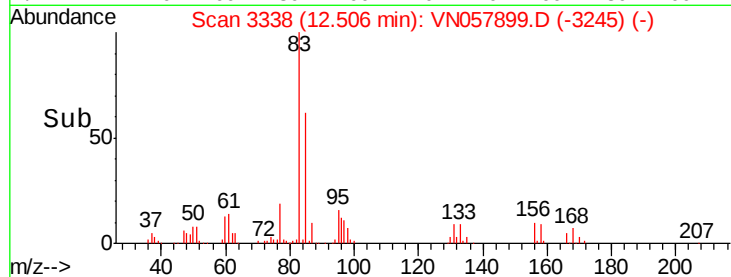
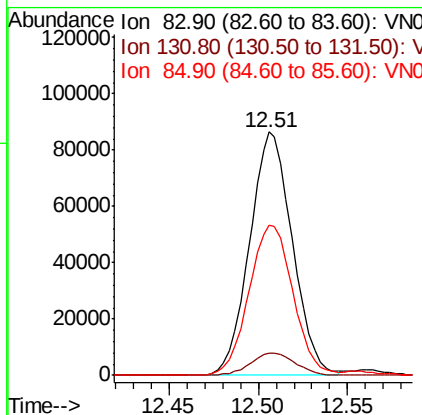
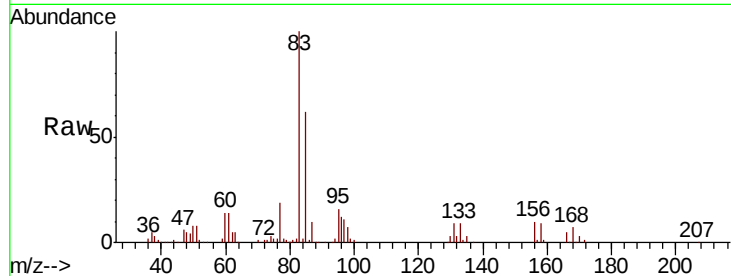
ClientSampleId :

VN0911WBS02

Tot Ion:	83	Resp:	144735
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	63.6	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 19.731 ug/l m

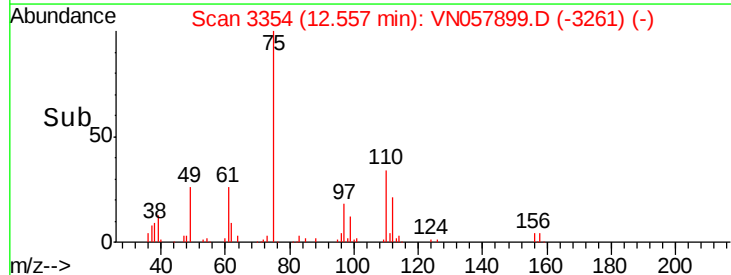
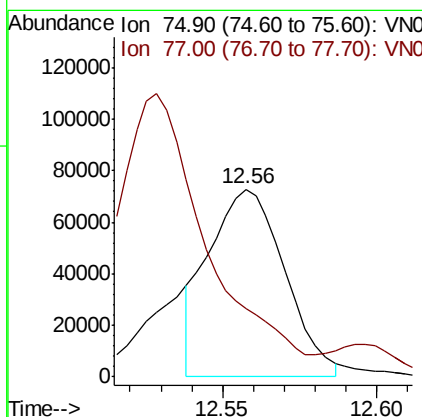
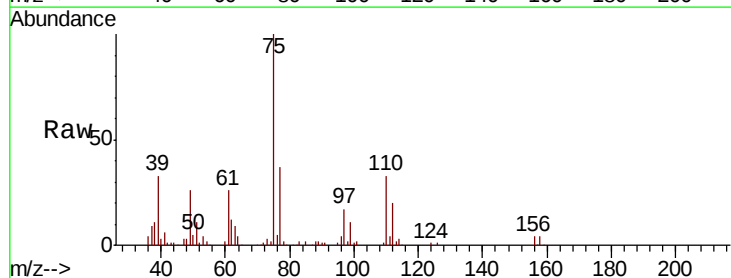
RT: 12.56 min Scan# 3354

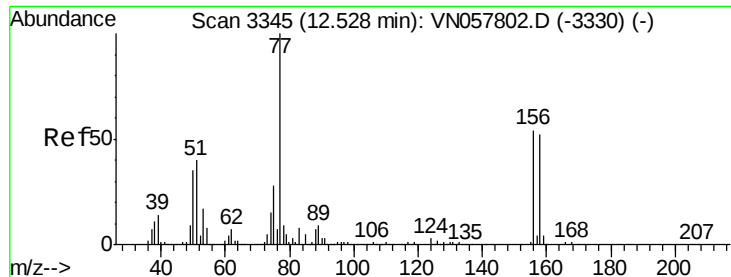
Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	75	Resp:	124173
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.523 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

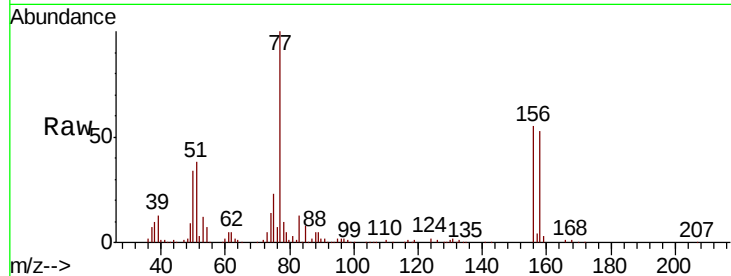
ClientSampled :

VN0911WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	217.2	113.7	341.1	
158	97.3	48.5	145.6	

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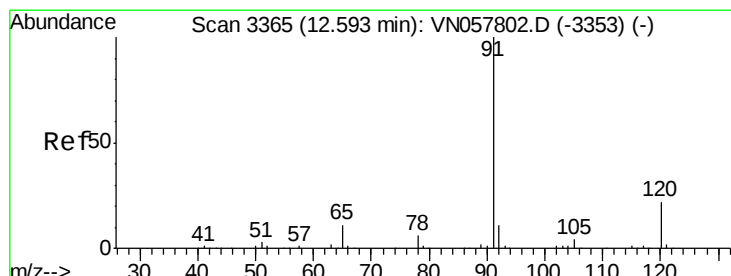
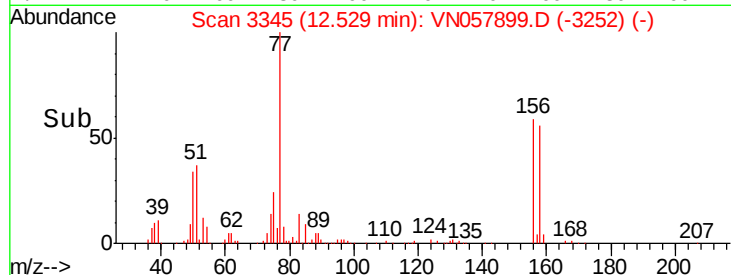
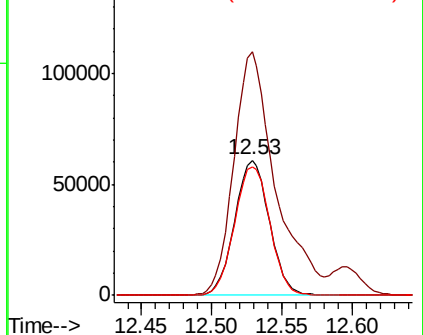
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.865 ug/l

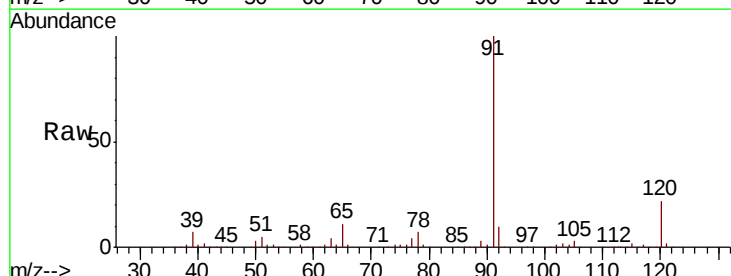
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057899.D

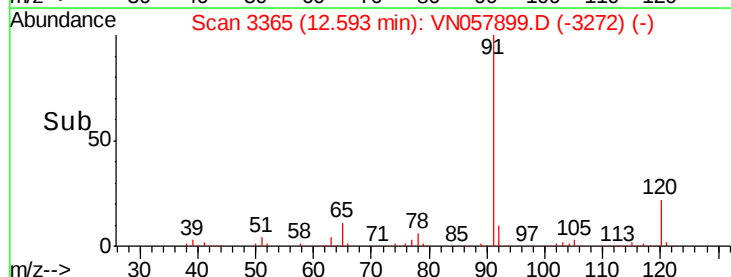
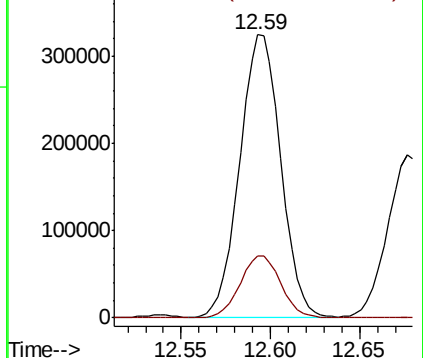
Acq: 11 Sep 2019 5:32

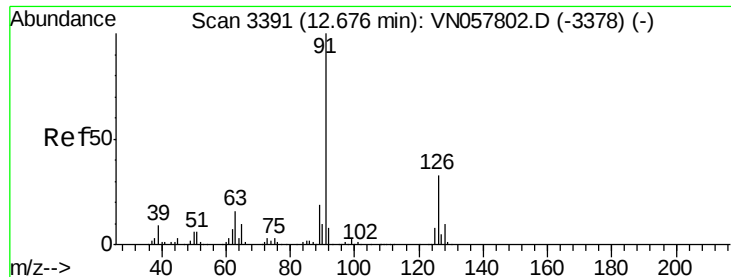
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.398 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 91 Resp: 303910

Ion Ratio Lower Upper

91 100

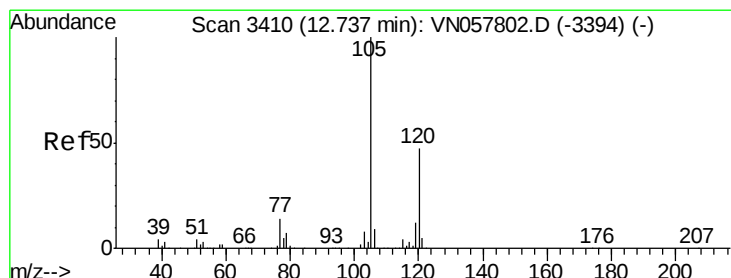
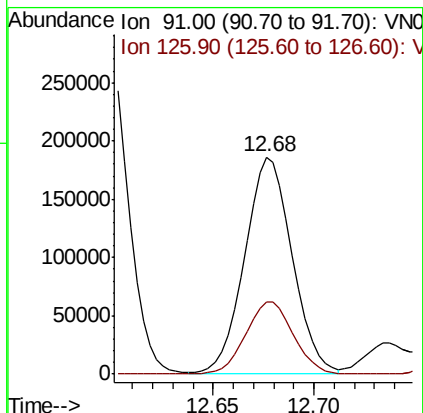
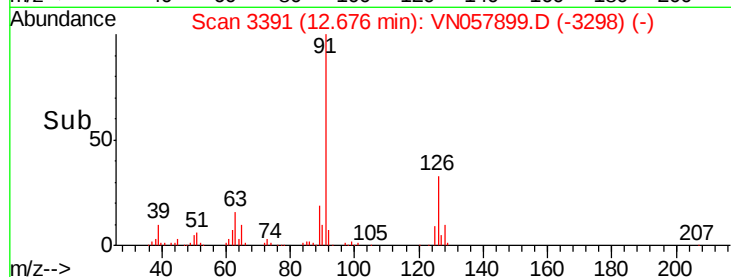
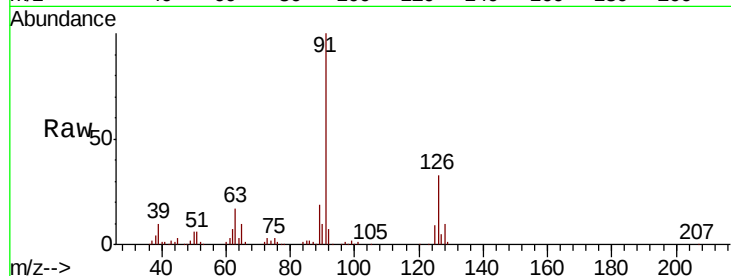
126 33.6 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.641 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057899.D

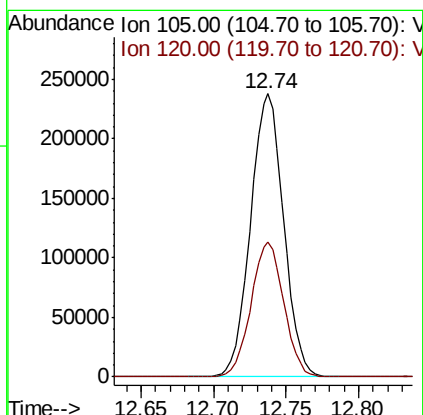
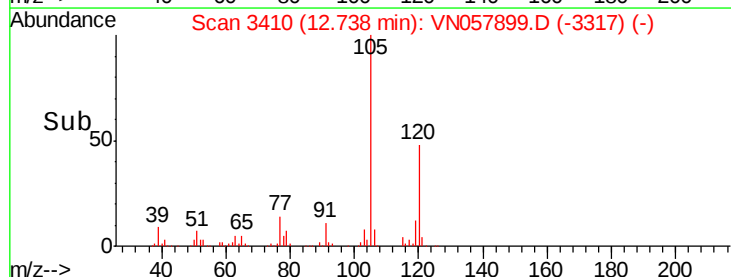
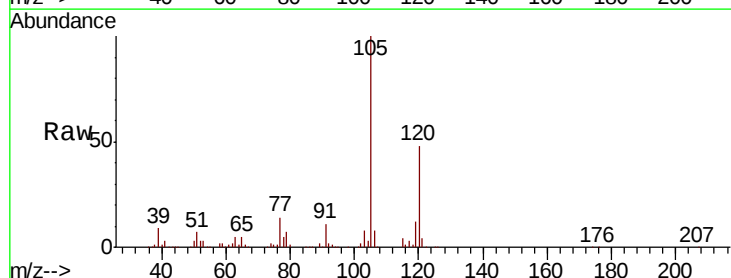
Acq: 11 Sep 2019 5:32

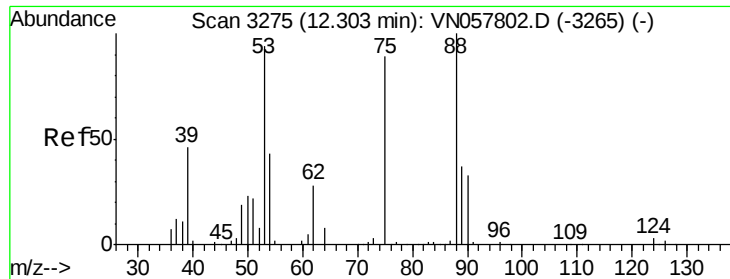
Tgt Ion: 105 Resp: 376481

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.207 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tot Ion: 75 Resp: 25408

Ion Ratio Lower Upper

75 100

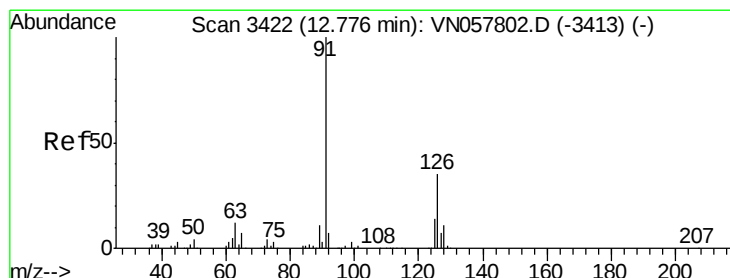
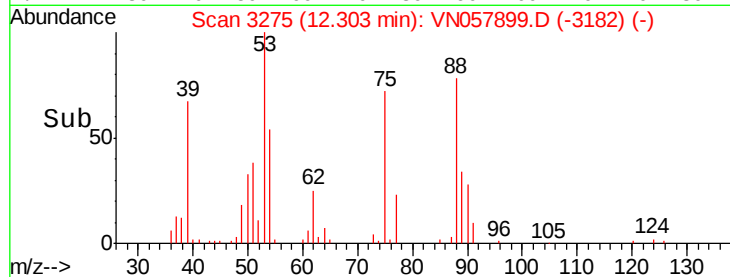
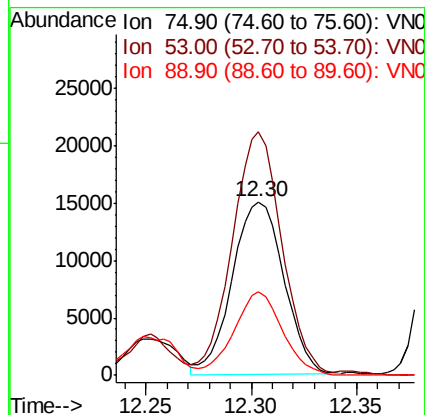
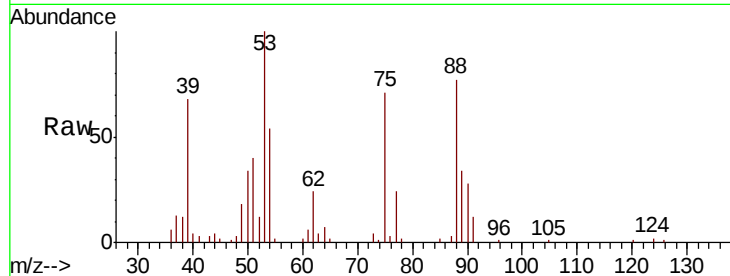
53 133.4 88.4 132.6#

89 45.8 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.890 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057899.D

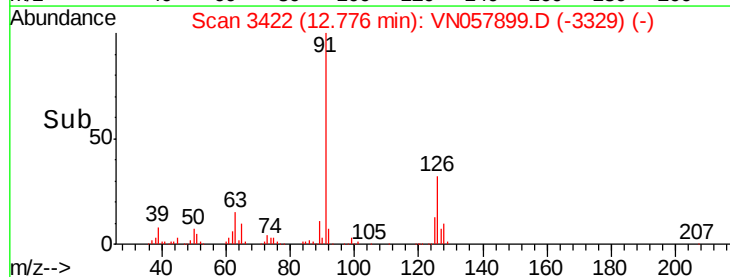
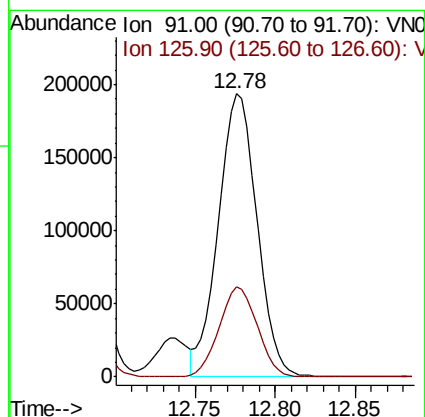
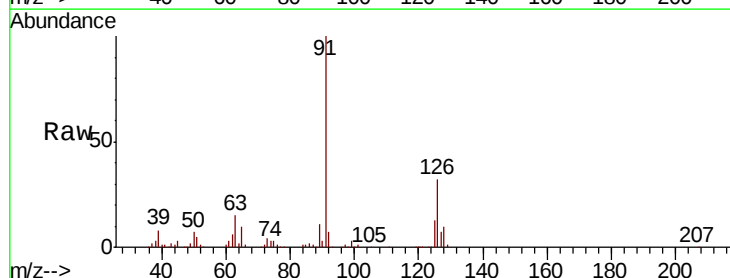
Acq: 11 Sep 2019 5:32

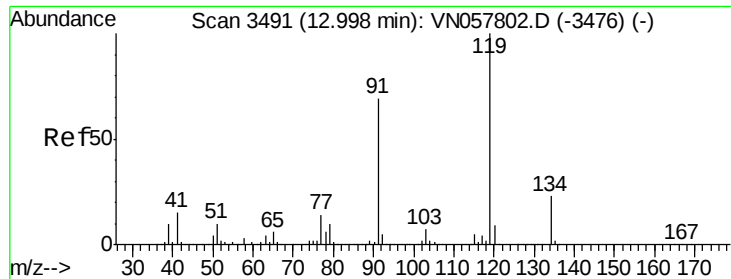
Tgt Ion: 91 Resp: 320016

Ion Ratio Lower Upper

91 100

126 31.8 16.0 48.0





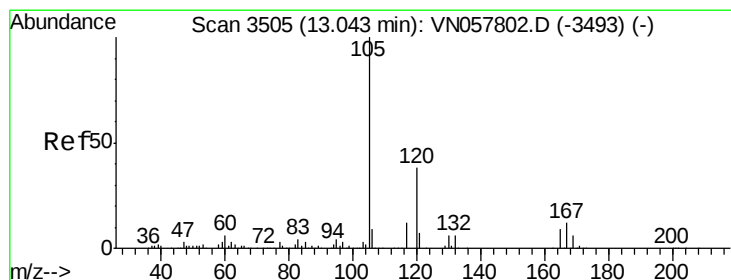
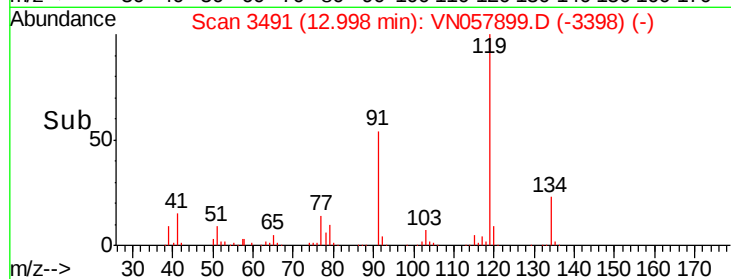
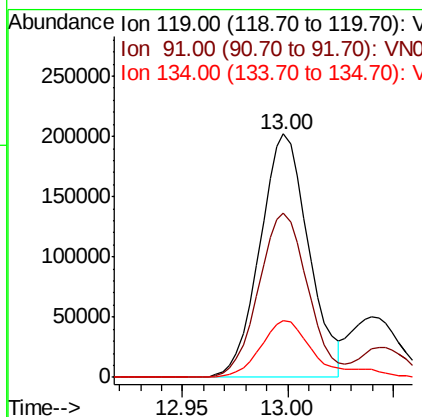
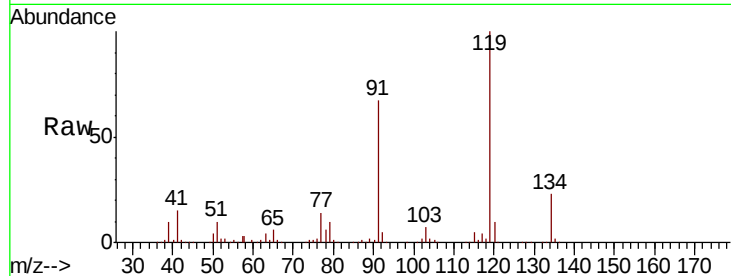
#83
tert-Butylbenzene
Concen: 20.012 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	33.6	100.8
134	26.5	11.7	35.0

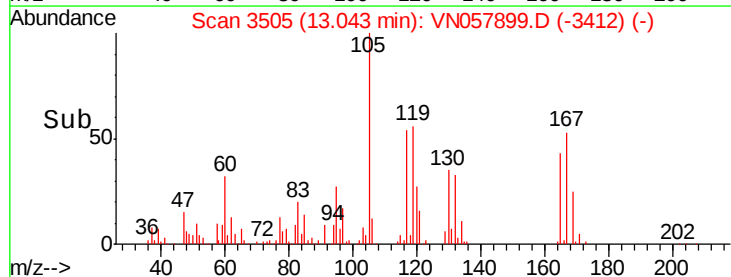
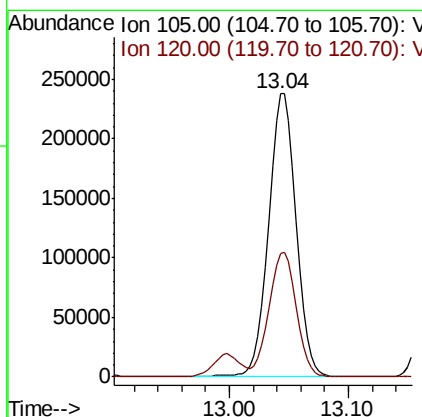
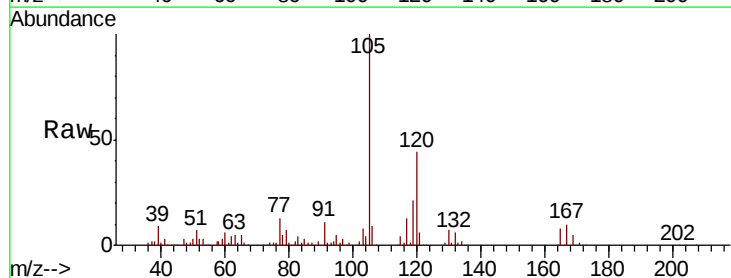
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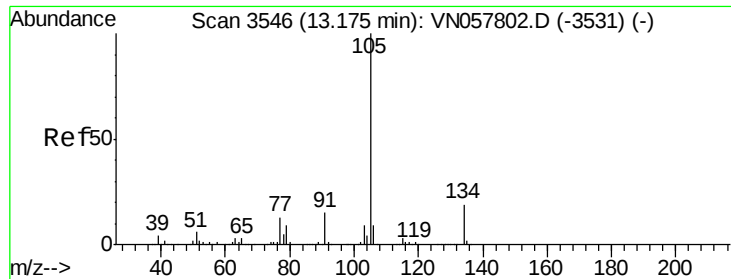
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#84
1,2,4-Trimethylbenzene
Concen: 20.536 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.4	67.2





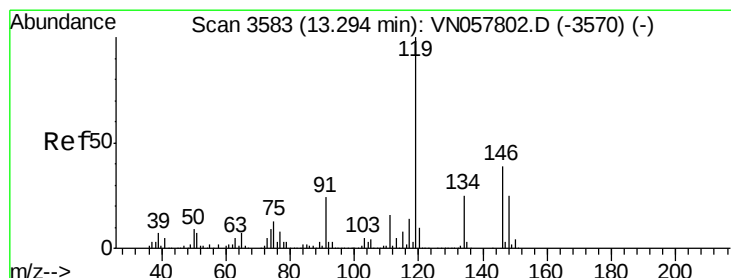
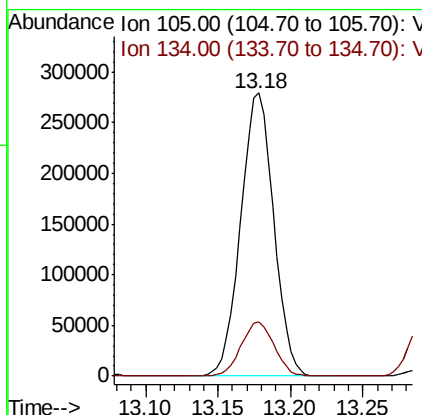
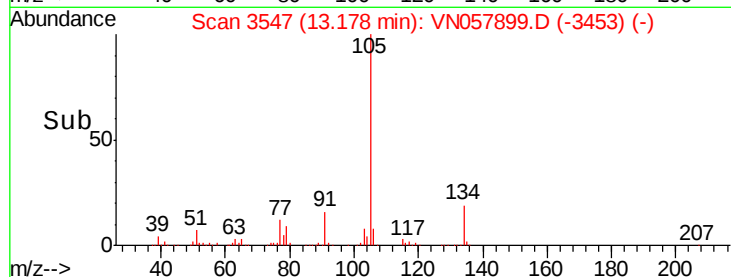
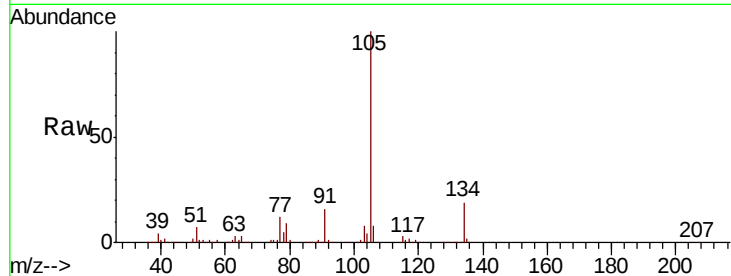
#85
 sec-Butylbenzene
 Concen: 20.588 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6

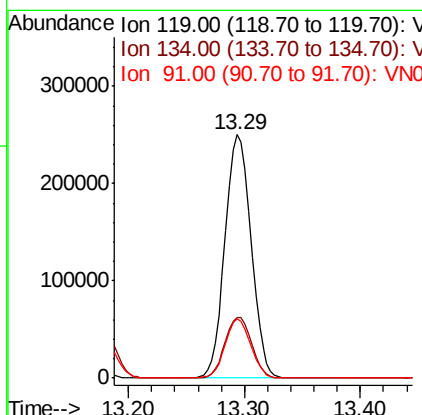
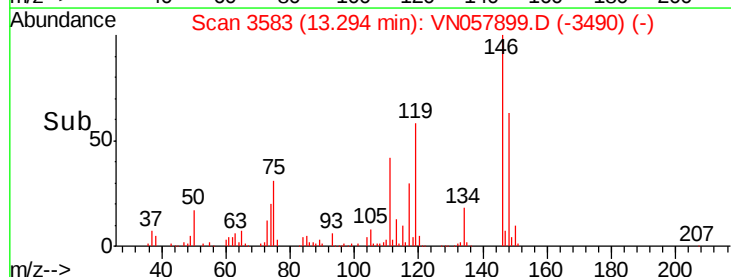
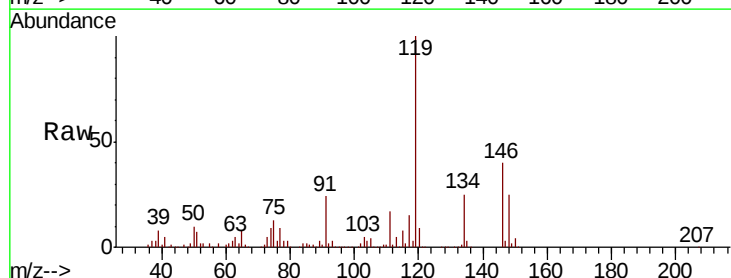
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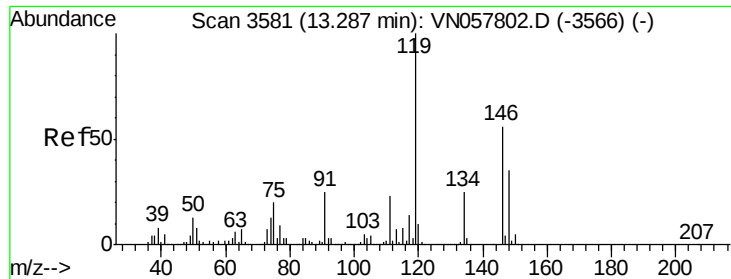
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#86
 p-Isopropyltoluene
 Concen: 20.629 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	23.7	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 19.689 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

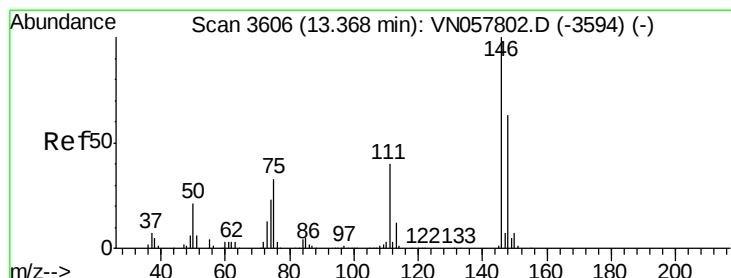
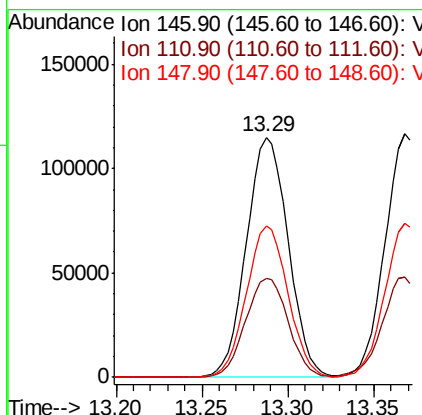
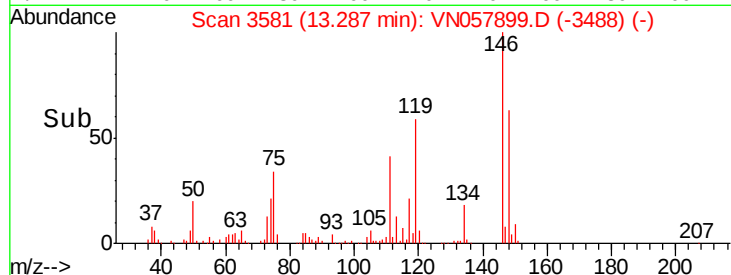
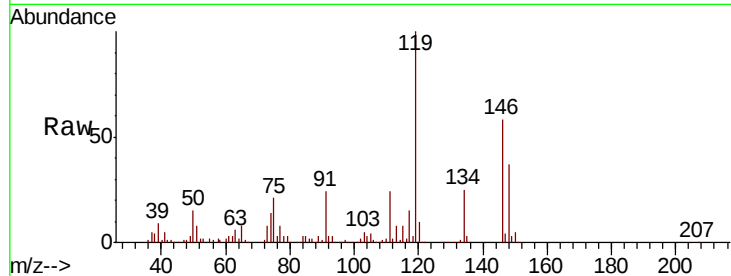
ClientSampleId :

VN0911WBS02

Tot Ion:	146	Resp:	194503
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.5	61.6
148	62.7	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 19.113 ug/l

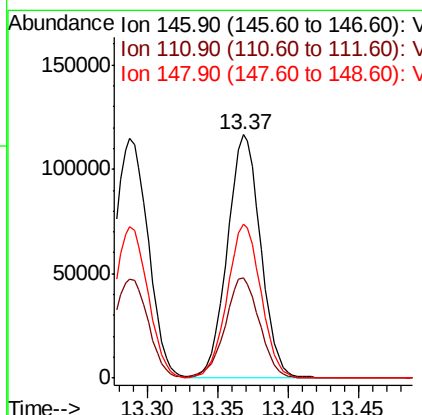
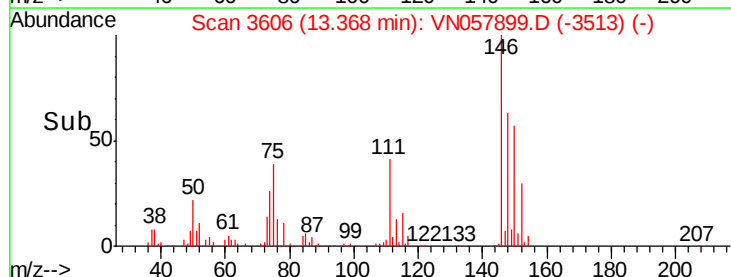
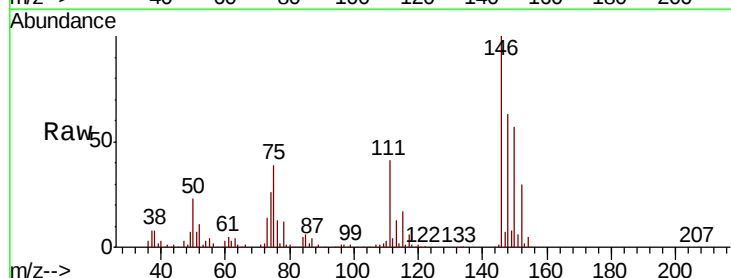
RT: 13.37 min Scan# 3606

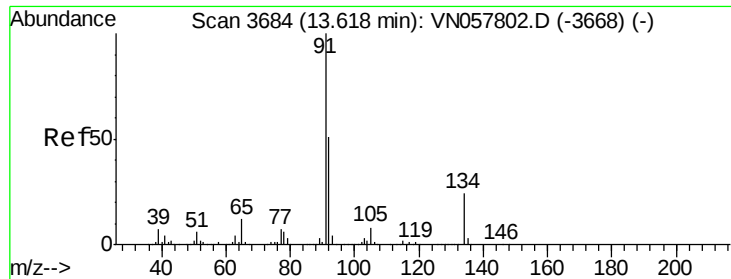
Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	146	Resp:	191663
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.4	61.2
148	63.9	31.8	95.4





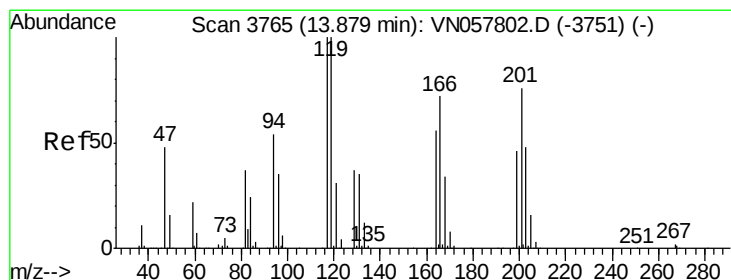
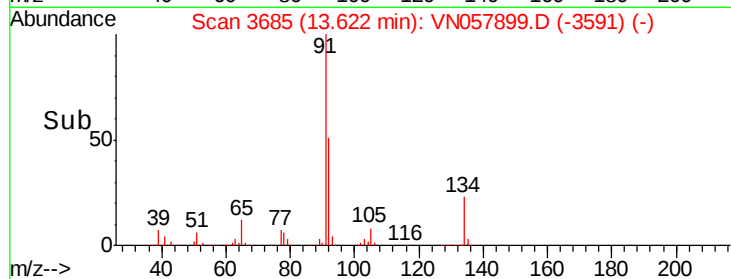
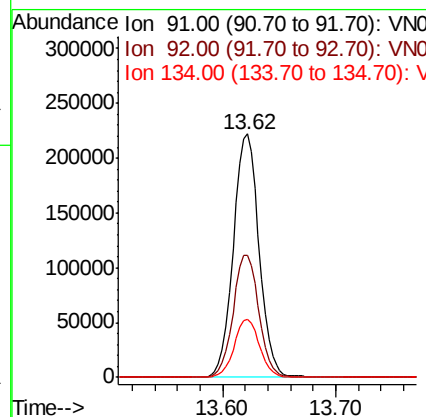
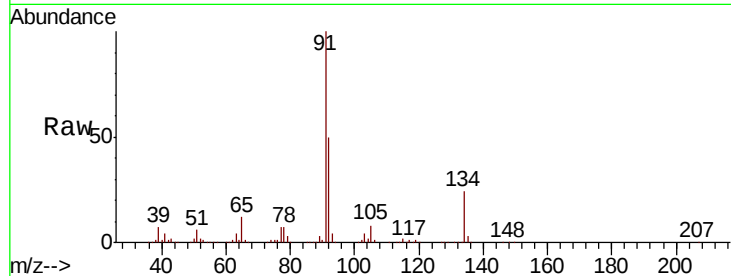
#89
n-Butylbenzene
Concen: 19.678 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.7	77.0
134	23.7	11.9	35.7

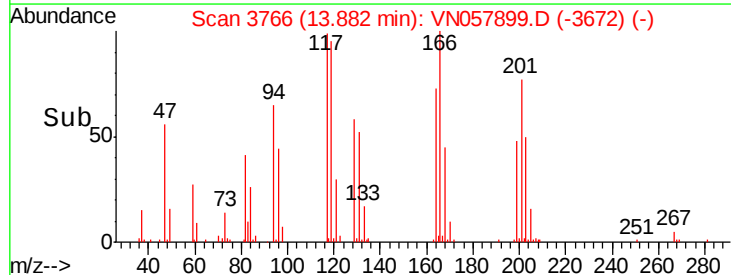
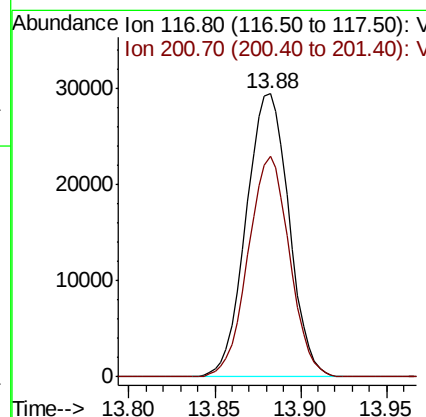
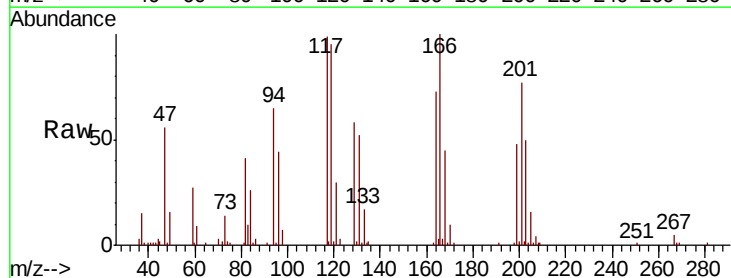
Manual Integrations
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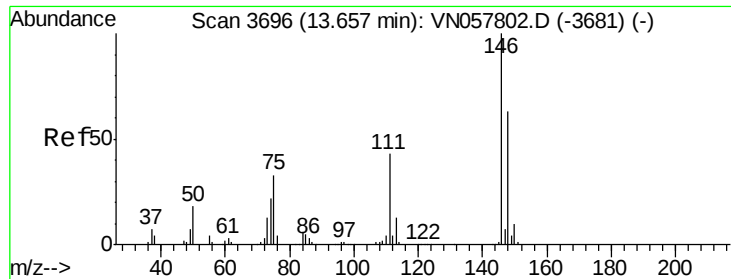
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#90
Hexachloroethane
Concen: 18.130 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.3	37.5	112.7





#91

1,2-Dichlorobenzene

Concen: 19.185 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

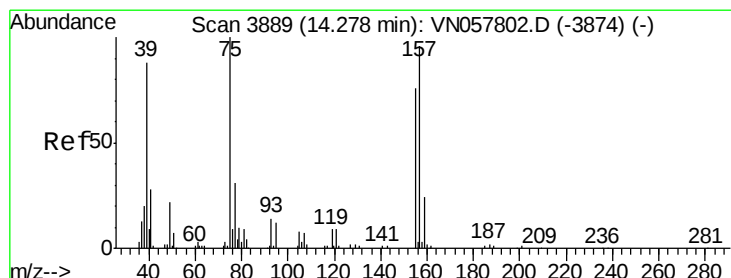
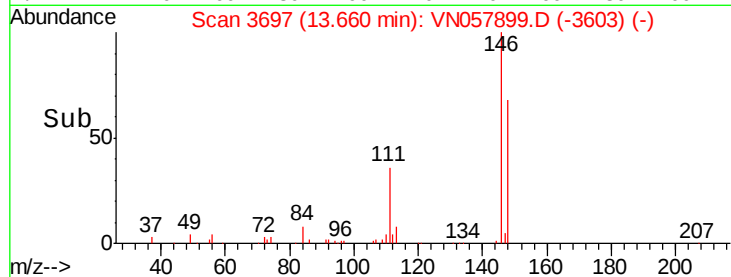
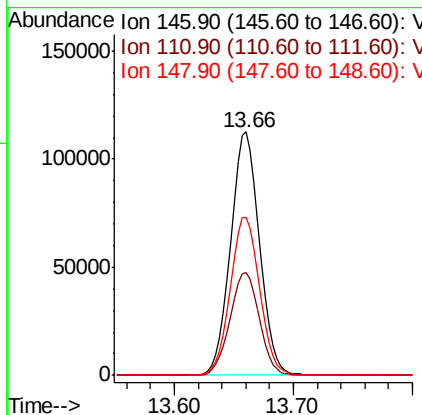
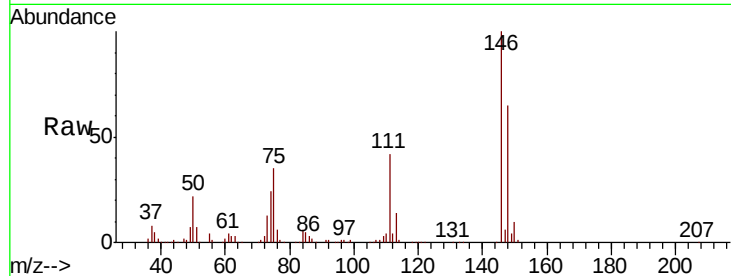
ClientSampleId :

VN0911WBS02

Tot Ion:	146	Resp:	189341
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.3	63.9
148	66.0	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.492 ug/l

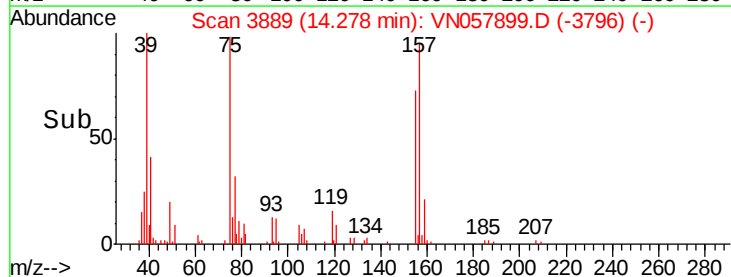
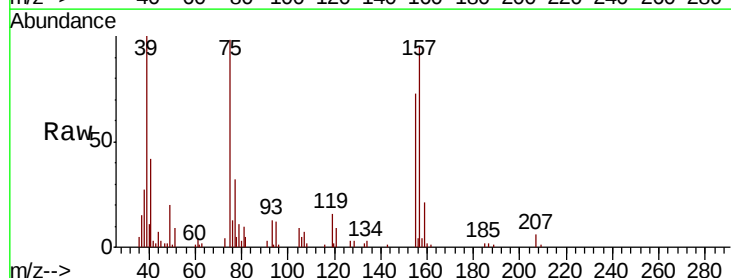
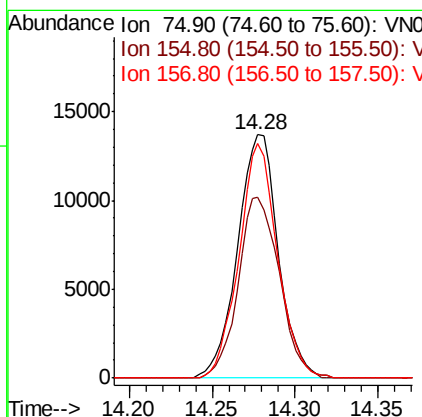
RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion:	75	Resp:	23397
Ion Ratio	Lower	Upper	
75	100		
155	74.8	37.3	111.8
157	91.2	47.9	143.8





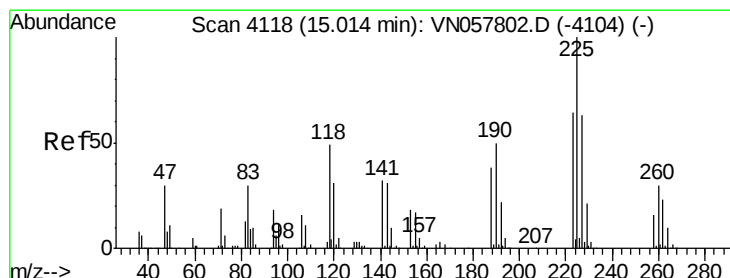
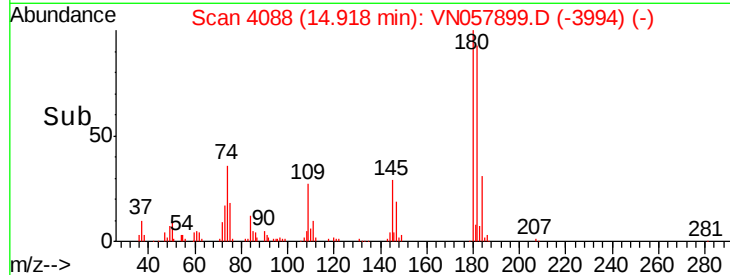
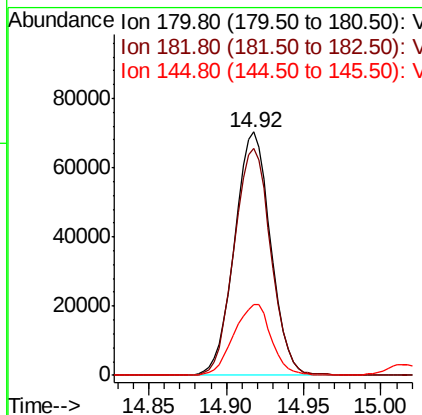
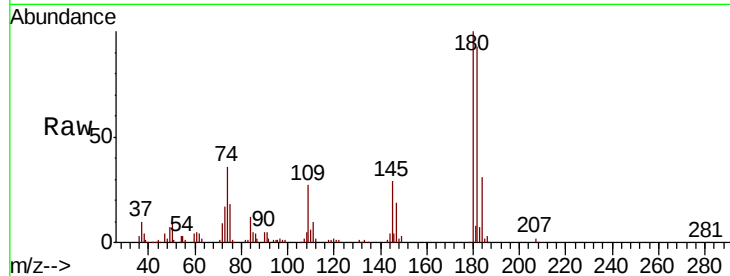
#93
 1,2,4-Trichlorobenzene
 Concen: 17.682 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114065		
182	95.0	46.9	140.8	
145	30.3	14.9	44.7	

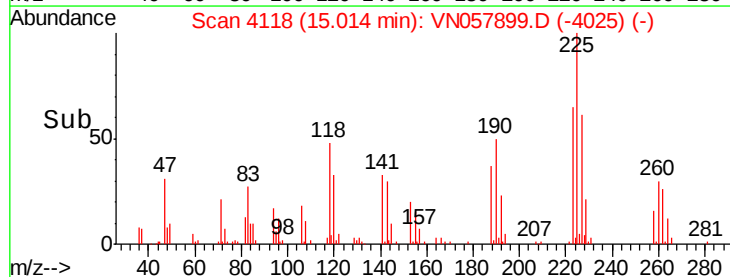
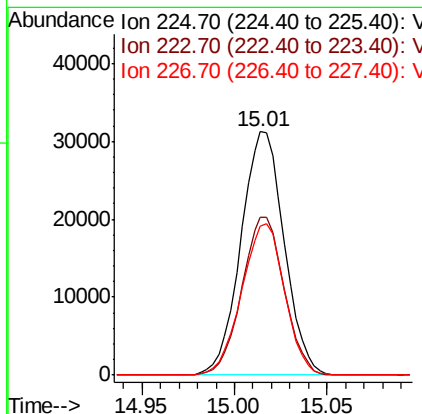
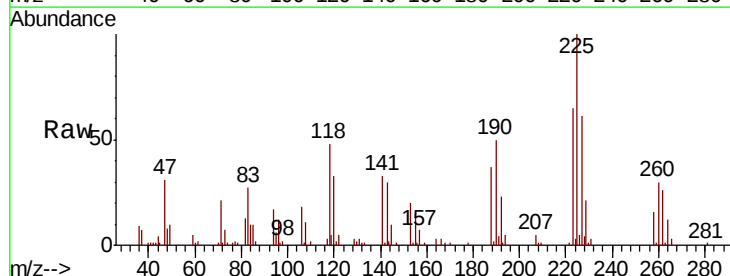
Manual Integrations
 APPROVED

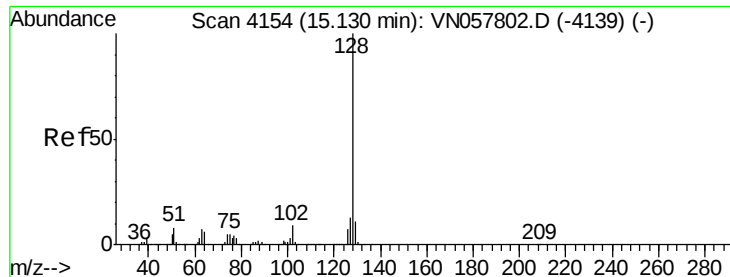
MMDadoda
 9/13/2019 7:07:01 AM



#94
 Hexachlorobutadiene
 Concen: 18.457 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50471		
223	63.6	32.4	97.2	
227	61.7	31.8	95.4	





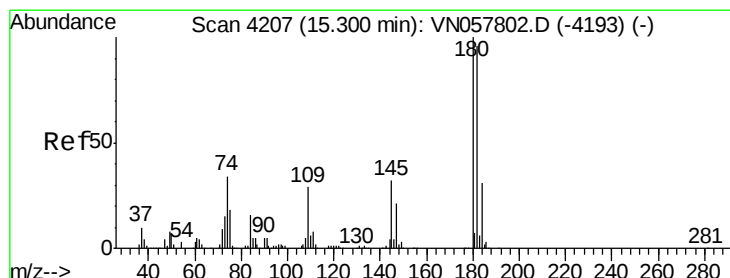
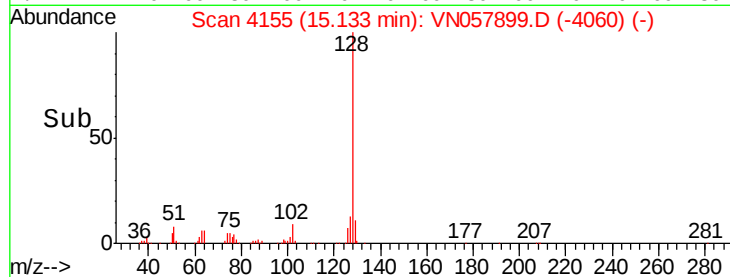
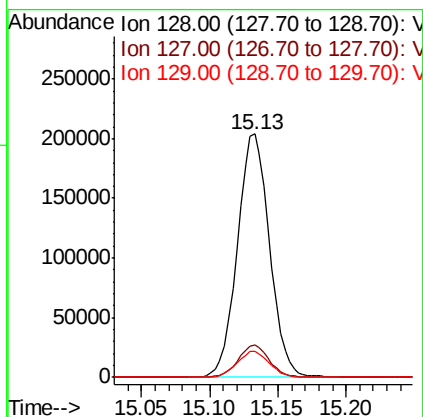
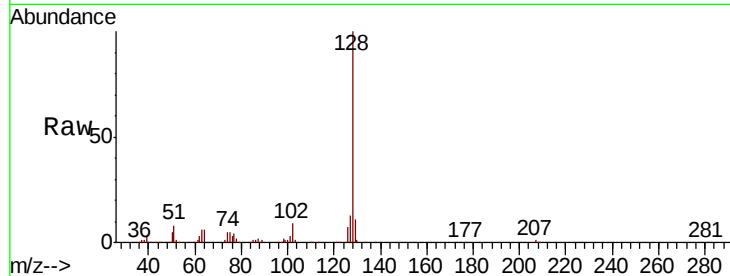
#95
Naphthalene
Concen: 19.544 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 7:07:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.928 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.3	144.8
145	33.2	16.3	48.8

