

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057894.D
 Acq On : 11 Sep 2019 3:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:26 AM

Quant Time: Sep 11 05:31:18 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	339694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	562857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	348828	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	7.57	113	255167	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	1028325	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	375665	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	221846	47.223	ug/l	99
3) Chloromethane	2.04	50	203864	42.577	ug/l	99
4) Vinyl Chloride	2.16	62	220686	43.549	ug/l	98
5) Bromomethane	2.53	94	114381	40.794	ug/l	99
6) Chloroethane	2.67	64	141892	43.941	ug/l	97
7) Trichlorofluoromethane	2.99	101	277893	43.576	ug/l	100
8) Diethyl Ether	3.39	74	127629	47.984	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	178221	44.301	ug/l	99
10) Methyl Iodide	3.93	142	143633	32.084	ug/l	97
11) Tert butyl alcohol	4.77	59	208805	250.748	ug/l	99
12) 1,1-Dichloroethene	3.71	96	164291	45.420	ug/l	98
13) Acrolein	3.58	56	136700	193.494	ug/l	97
14) Allyl chloride	4.30	41	306864	43.350	ug/l	99
15) Acrylonitrile	4.96	53	564264	246.529	ug/l	99
16) Acetone	3.80	43	471880	209.216	ug/l	98
17) Carbon Disulfide	4.03	76	242173	43.039	ug/l	98
18) Methyl Acetate	4.30	43	310530	51.637	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	762209	50.634	ug/l	97
20) Methylene Chloride	4.53	84	221003	51.508	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	180344	46.122	ug/l	95
22) Diisopropyl ether	5.93	45	827453	49.845	ug/l	98
23) Vinyl Acetate	5.87	43	3018199	256.547	ug/l	100
24) 1,1-Dichloroethane	5.82	63	435760	48.031	ug/l	99
25) 2-Butanone	6.82	43	772069	236.508	ug/l	99
26) 2,2-Dichloropropane	6.80	77	239916	33.415	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	254298	48.529	ug/l	95
28) Bromochloromethane	7.18	49	226992	50.081	ug/l	96
29) Tetrahydrofuran	7.19	42	497001	247.071	ug/l	99
30) Chloroform	7.36	83	451582	47.604	ug/l	97
31) Cyclohexane	7.64	56	300050	48.463	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	365767	48.617	ug/l	99
36) 1,1-Dichloropropene	7.78	75	288228	44.155	ug/l	99
37) Ethyl Acetate	6.91	43	309319	45.864	ug/l	99
38) Carbon Tetrachloride	7.76	117	286595	48.089	ug/l	99

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 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)
39) Methylcyclohexane	9.07	83	298798	43.544	ug/l	100
40) Benzene	8.03	78	929450	47.294	ug/l	98
41) Methacrylonitrile	7.16	41	161010	52.593	ug/l	94
42) 1,2-Dichloroethane	8.11	62	373719	47.549	ug/l	100
43) Isopropyl Acetate	8.15	43	569398	50.204	ug/l	100
44) Trichloroethene	8.83	130	224059	46.483	ug/l	98
45) 1,2-Dichloropropane	9.11	63	272123	47.586	ug/l	100
46) Dibromomethane	9.20	93	169848	49.151	ug/l	99
47) Bromodichloromethane	9.40	83	348173	50.456	ug/l	98
48) Methyl methacrylate	9.19	41	282100	49.033	ug/l	99
49) 1,4-Dioxane	9.19	88	93014	956.025	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1772978	264.164	ug/l	100
52) Toluene	10.15	92	594110	47.998	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	355818	48.966	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	388627	48.440	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258596	49.321	ug/l	98
56) Ethyl methacrylate	10.43	69	404152	51.187	ug/l	99
57) 1,3-Dichloropropane	10.71	76	445292	49.281	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	965348	259.588	ug/l	99
59) 2-Hexanone	10.75	43	1276500	253.745	ug/l	99
60) Dibromochloromethane	10.90	129	252305	51.821	ug/l	100
61) 1,2-Dibromoethane	11.00	107	248480	50.128	ug/l	100
64) Tetrachloroethene	10.63	164	190264	48.027	ug/l	98
65) Chlorobenzene	11.43	112	686980	48.924	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	250358	51.383	ug/l	99
67) Ethyl Benzene	11.51	91	1224923	49.776	ug/l	99
68) m/p-Xylenes	11.62	106	898464	99.673	ug/l	99
69) o-Xylene	11.95	106	457344	51.035	ug/l	99
70) Styrene	11.97	104	795896	51.606	ug/l	100
71) Bromoform	12.13	173	162909	53.628	ug/l #	99
73) Isopropylbenzene	12.25	105	1249811	50.027	ug/l	99
74) N-amyl acetate	12.07	43	556389	51.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	403588	47.980	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	334710m	45.957	ug/l	
77) Bromobenzene	12.53	156	292387	46.942	ug/l	98
78) n-propylbenzene	12.59	91	1452027	50.615	ug/l	100
79) 2-Chlorotoluene	12.68	91	862825	47.587	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1072224	50.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	93159	45.012	ug/l	97
82) 4-Chlorotoluene	12.78	91	916011	49.195	ug/l	100
83) tert-Butylbenzene	13.00	119	920451	49.055	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1078305	50.261	ug/l	99
85) sec-Butylbenzene	13.18	105	1248151	50.187	ug/l	100
86) p-Isopropyltoluene	13.29	119	1125081	51.343	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	555425	48.582	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	560263	48.278	ug/l	100
89) n-Butylbenzene	13.62	91	1026566	49.607	ug/l	100
90) Hexachloroethane	13.88	117	167754	51.475	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	559121	48.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72710	52.342	ug/l	99

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ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.92	180	344943	46.205	ug/l	100
94) Hexachlorobutadiene	15.01	225	144327	45.606	ug/l	98
95) Naphthalene	15.13	128	1020008	54.253	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	325074	49.880	ug/l	100

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

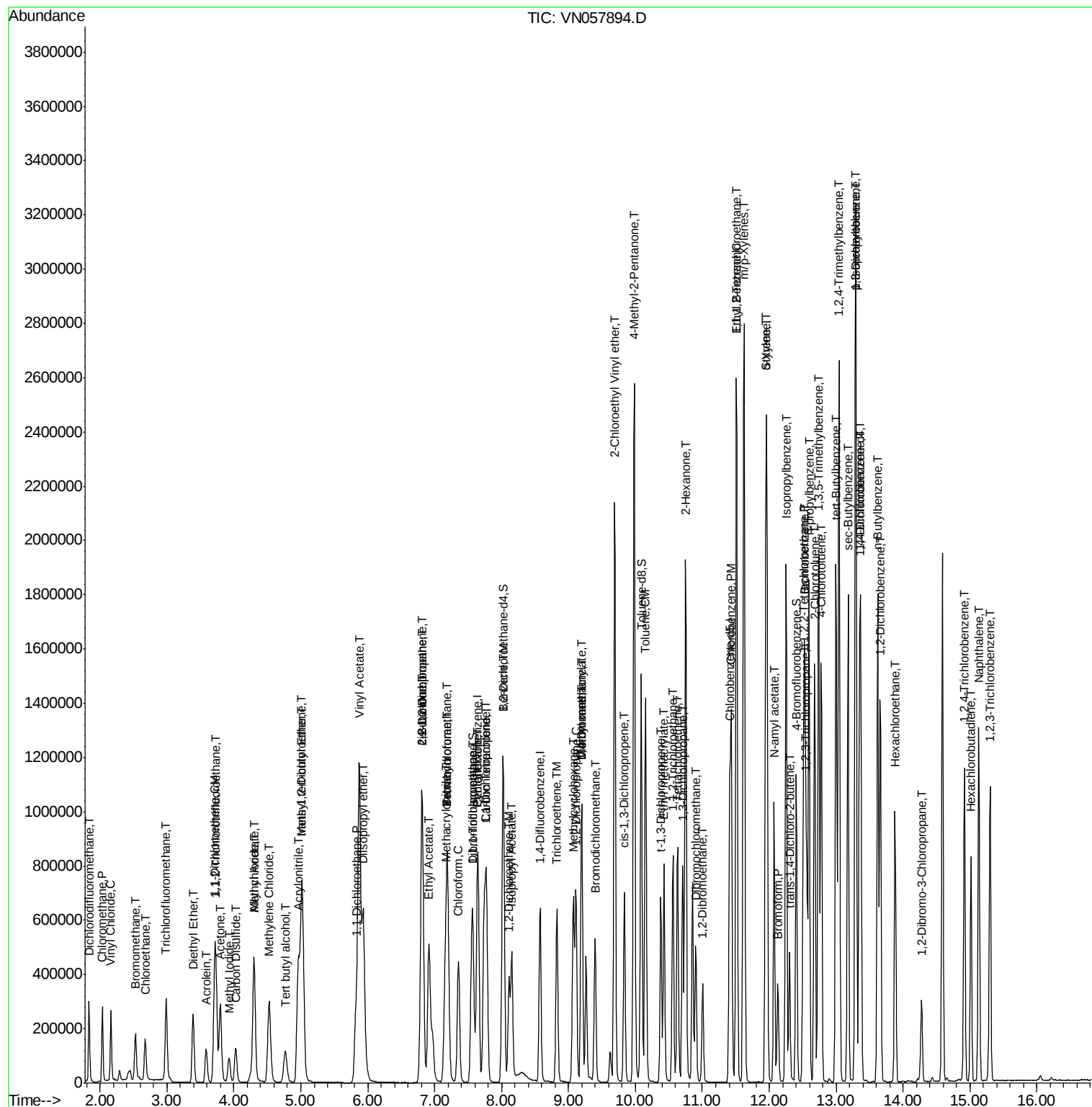
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
Data File : VN057894.D
Acq On : 11 Sep 2019 3:20
Operator : JC/SP
Sample : VSTDC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 1

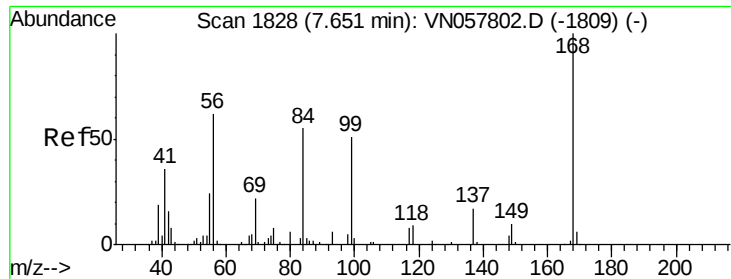
Instrument :
MSVOA_N
ClientSampleId :
VSTDC050

Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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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: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 339694

Ion Ratio Lower Upper

168 100

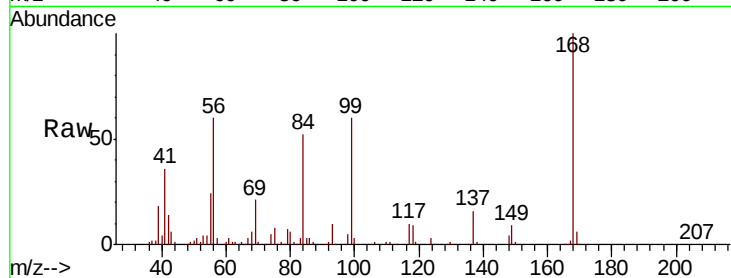
99 59.3 48.0 72.0

Manual Integrations

APPROVED

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9/13/2019 7:06:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

50000

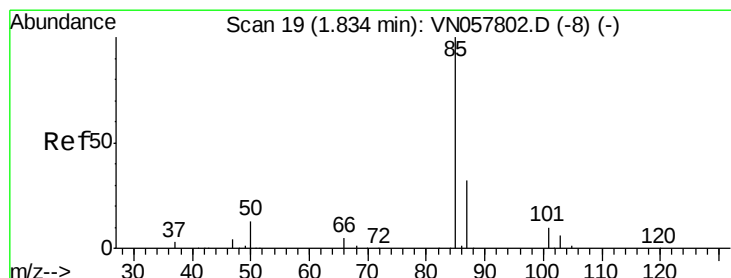
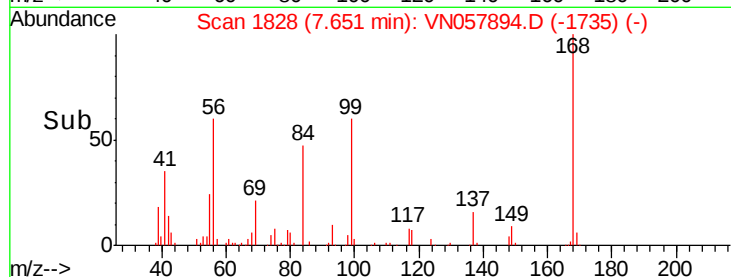
0

7.65

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.223 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057894.D

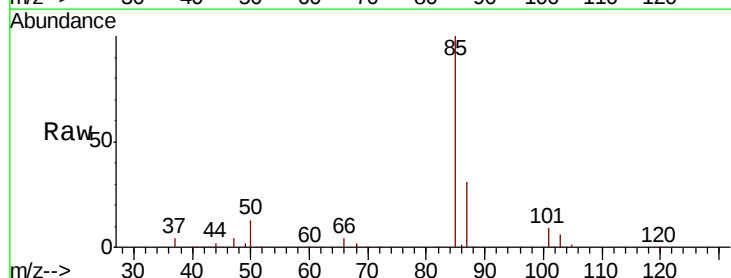
Acq: 11 Sep 2019 3:20

Tgt Ion: 85 Resp: 221846

Ion Ratio Lower Upper

85 100

87 31.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

0

1.83

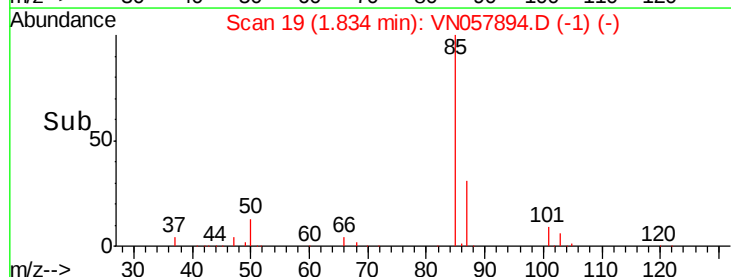
1.80

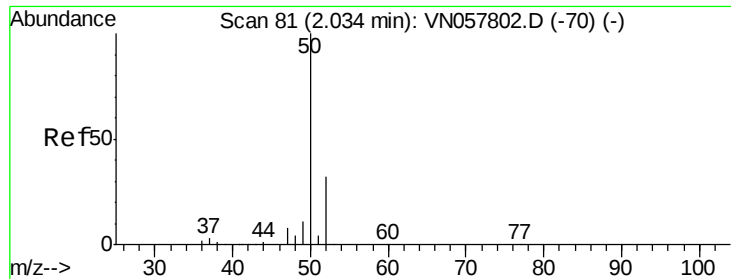
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 42.577 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 203864

Ion Ratio Lower Upper

50 100

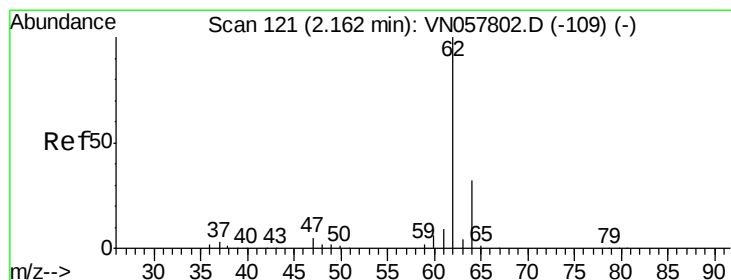
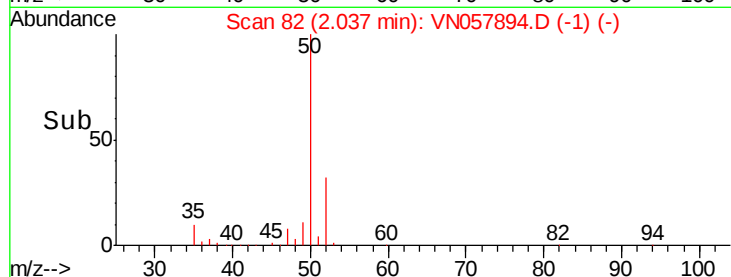
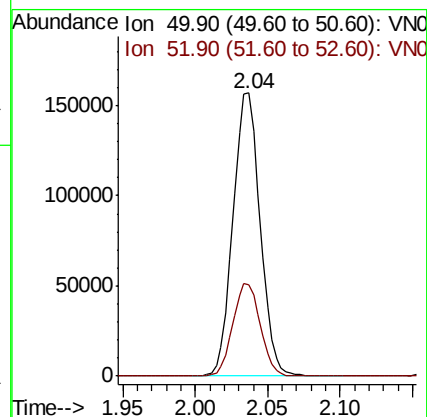
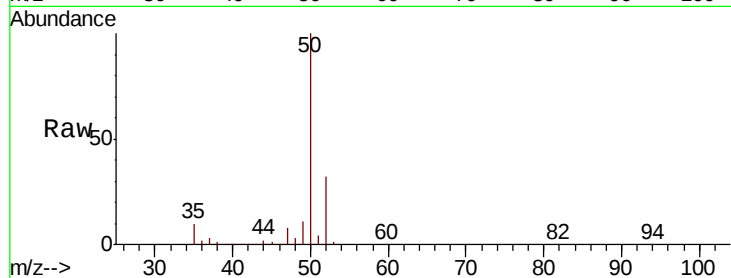
52 32.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.549 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057894.D

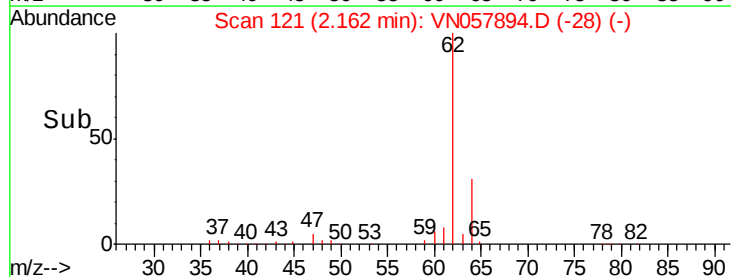
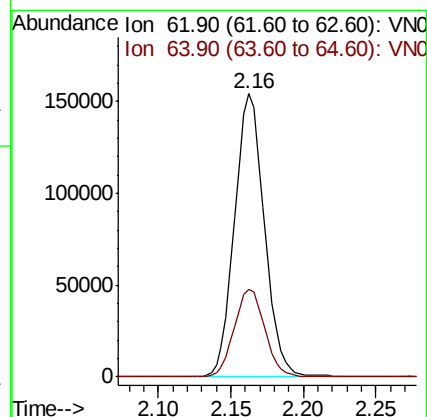
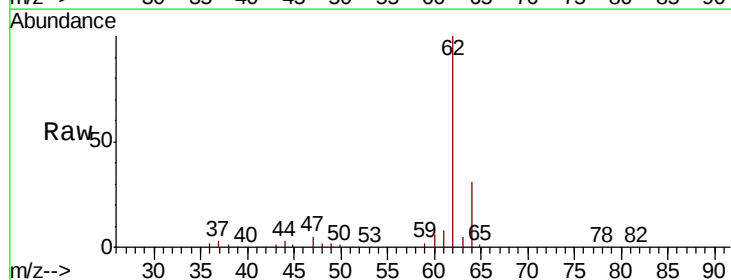
Acq: 11 Sep 2019 3:20

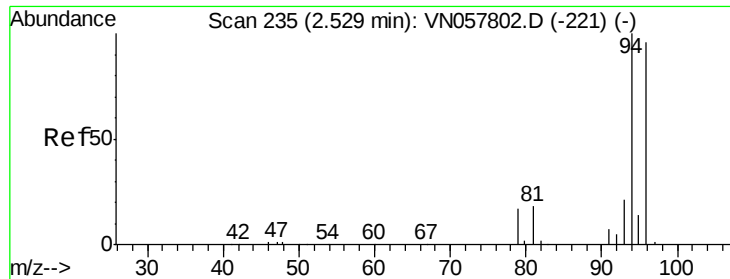
Tgt Ion: 62 Resp: 220686

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 40.794 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 114381

Ion Ratio Lower Upper

94 100

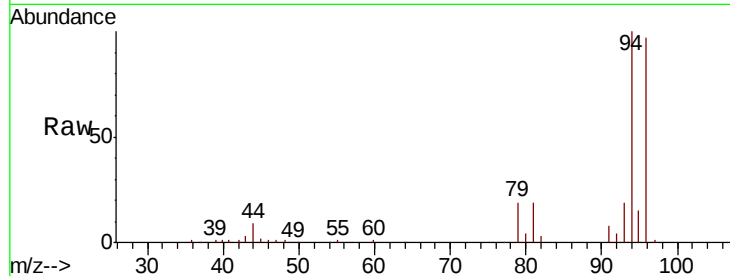
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Manual Integrations

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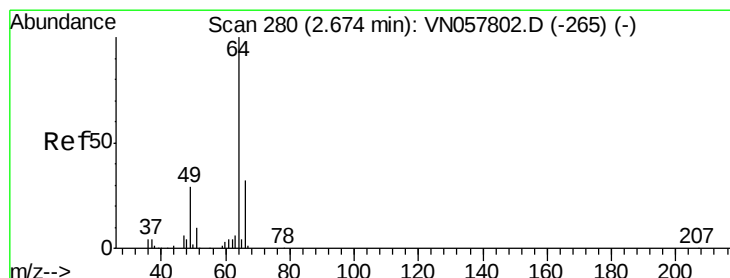
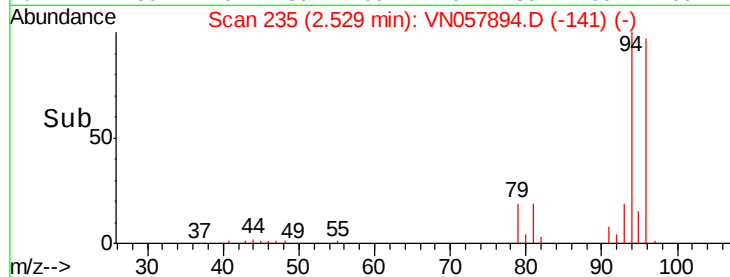
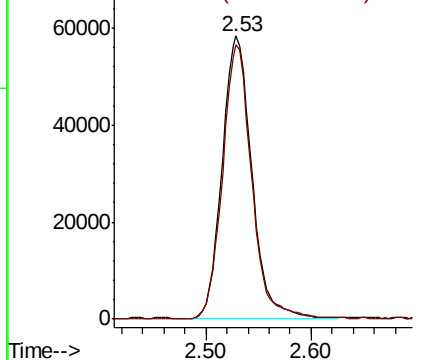
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.941 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN057894.D

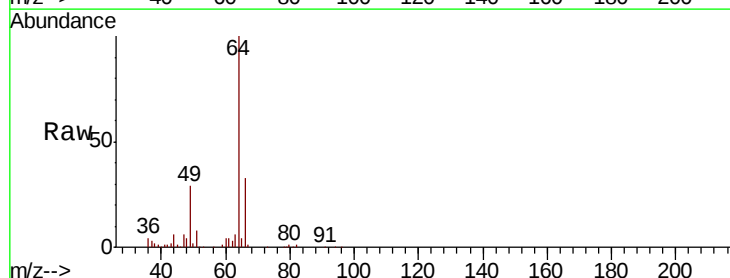
Acq: 11 Sep 2019 3:20

Tgt Ion: 64 Resp: 141892

Ion Ratio Lower Upper

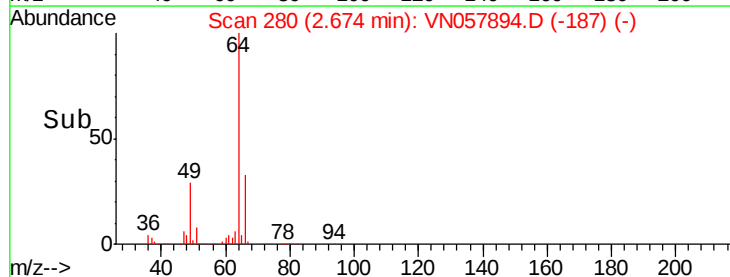
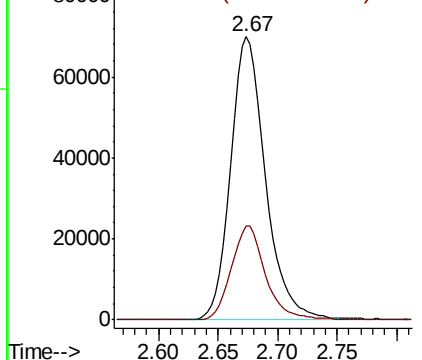
64 100

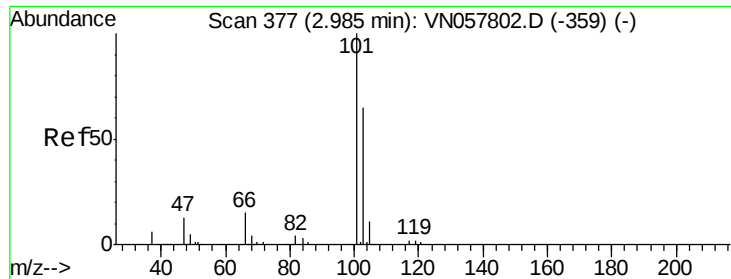
66 33.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

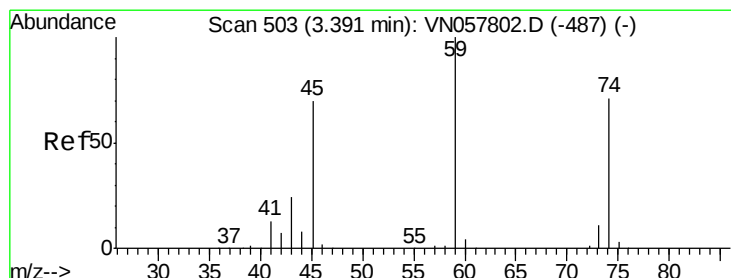
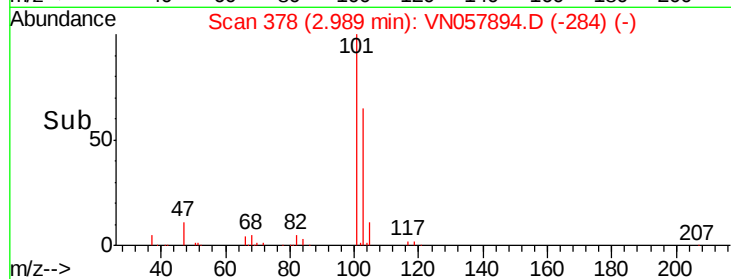
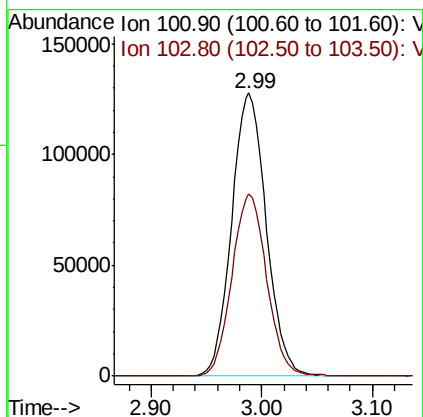
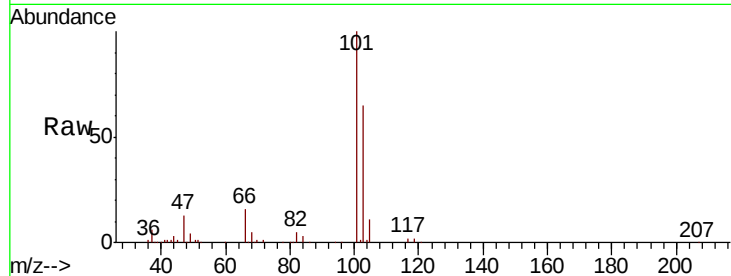
Trichlorofluoromethane
Concen: 43.576 ug/l
RT: 2.99 min Scan# 378
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.9	77.9

Manual Integrations
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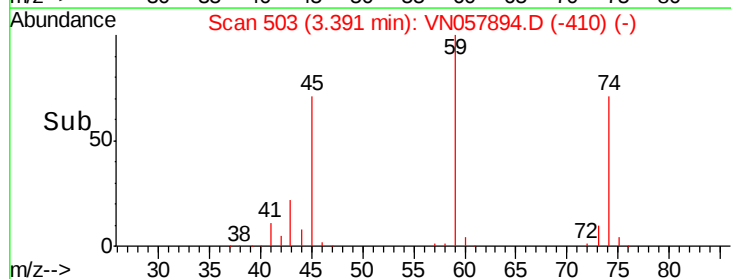
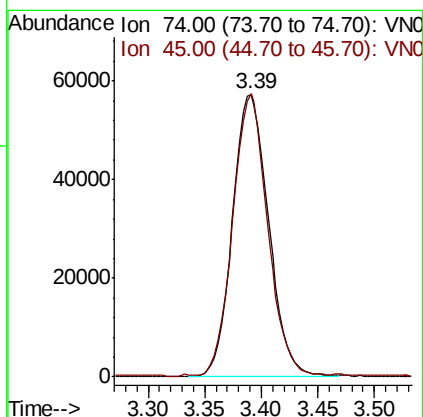
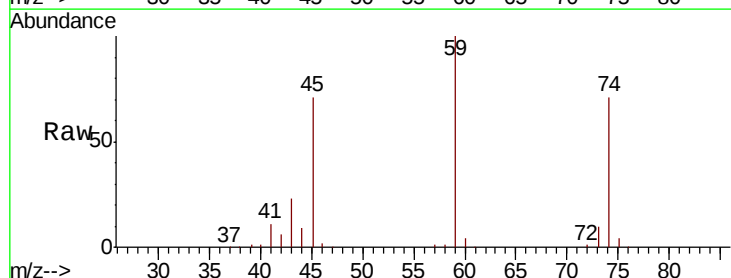
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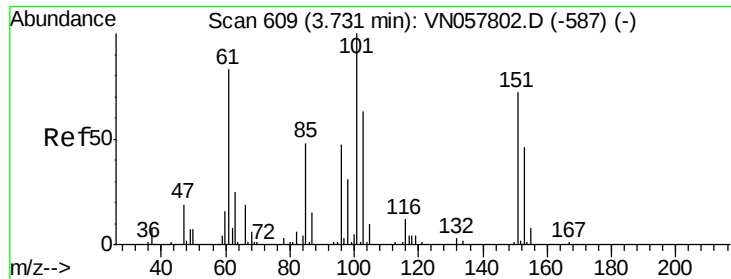


#8

Diethyl Ether
Concen: 47.984 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.301 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

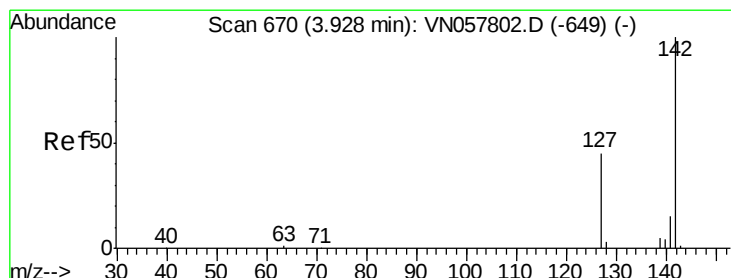
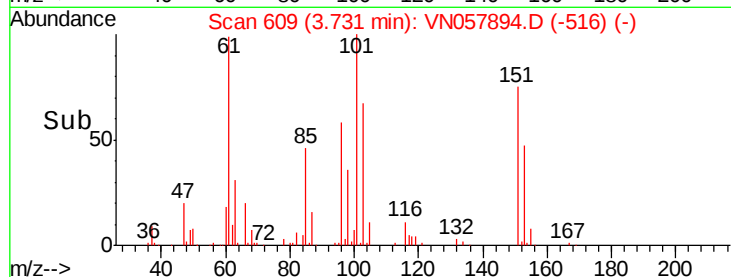
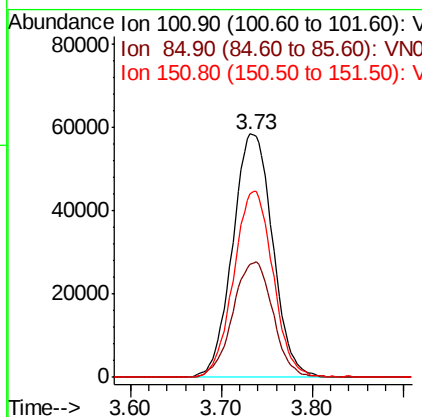
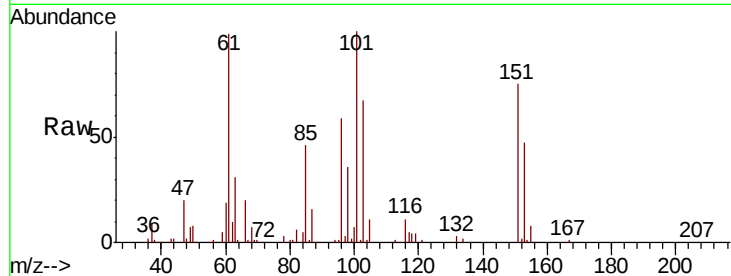
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	178221
Ion Ratio	Lower	Upper	
101	100		
85	47.6	38.1	57.1
151	74.9	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 32.084 ug/l

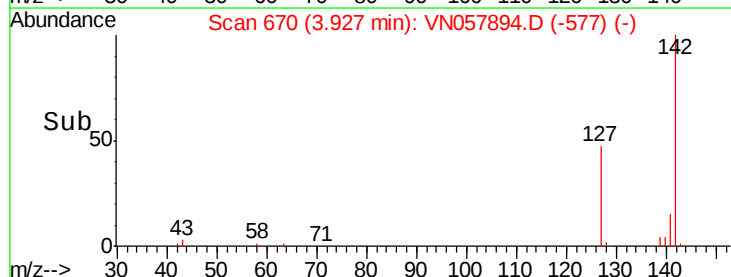
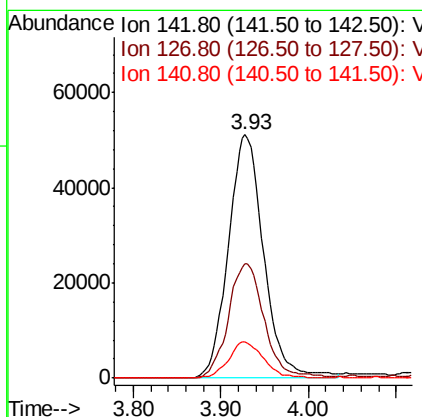
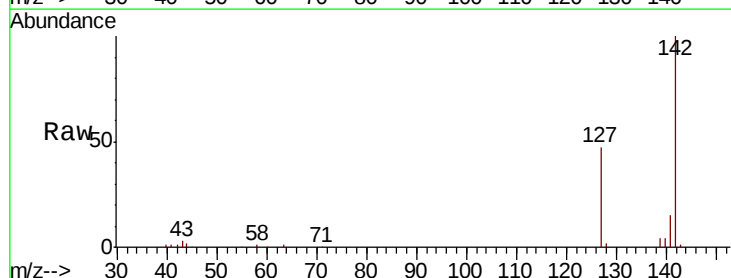
RT: 3.93 min Scan# 670

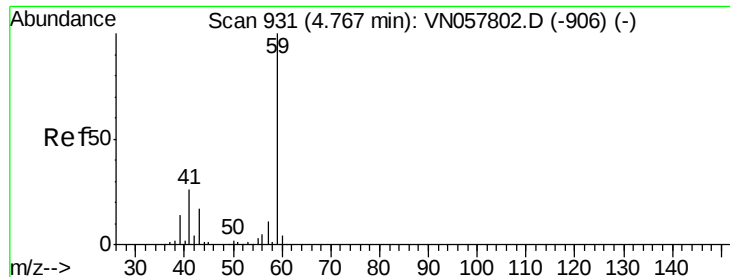
Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion:	142	Resp:	143633
Ion Ratio	Lower	Upper	
142	100		
127	47.9	36.7	55.1
141	14.9	11.4	17.0





#11

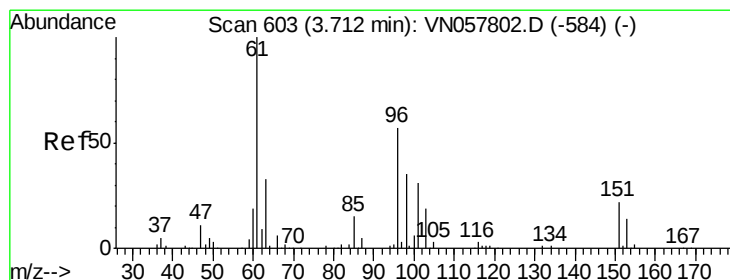
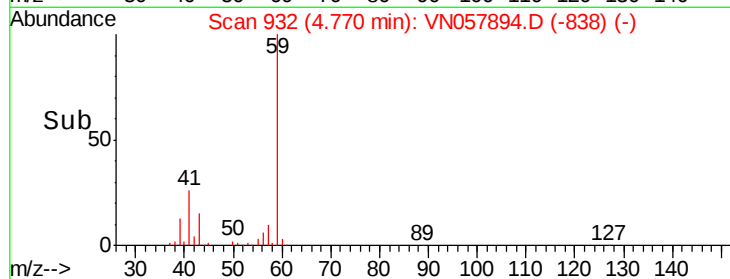
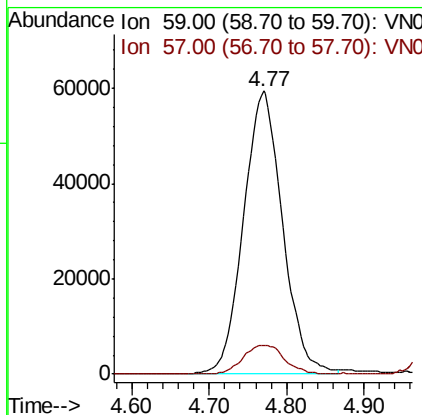
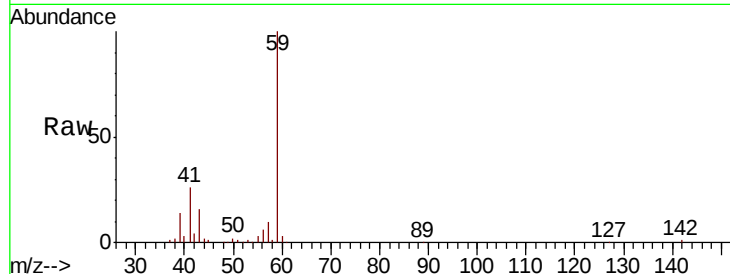
Tert butyl alcohol
 Concen: 250.748 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6

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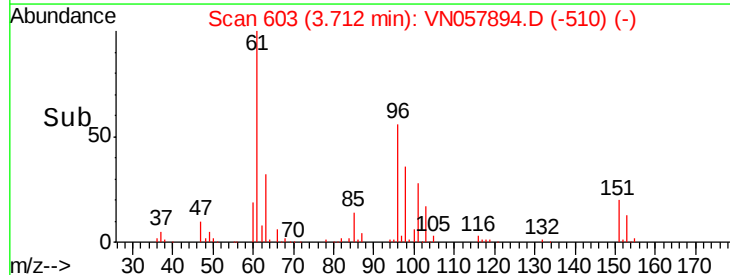
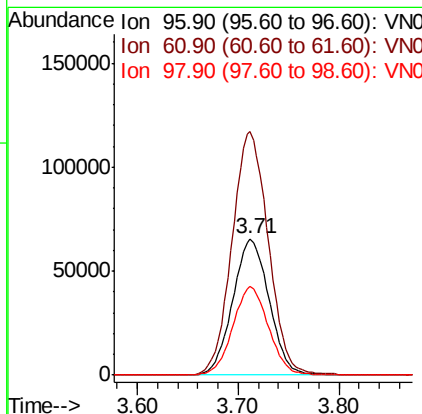
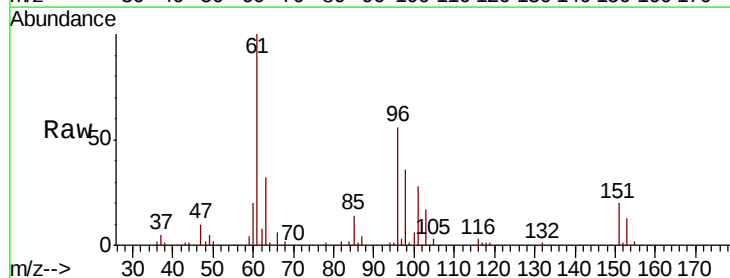
MMDadoda
 9/13/2019 7:06:26 AM

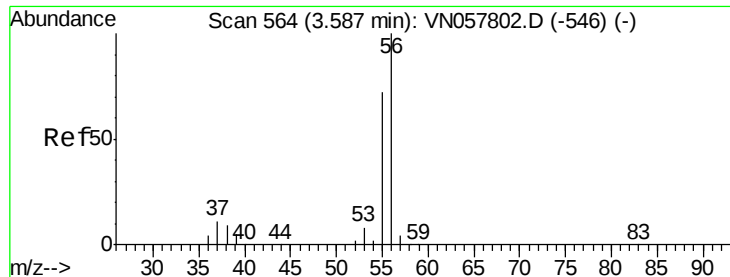


#12

1,1-Dichloroethene
 Concen: 45.420 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.8	141.2	211.8
98	64.8	49.9	74.9





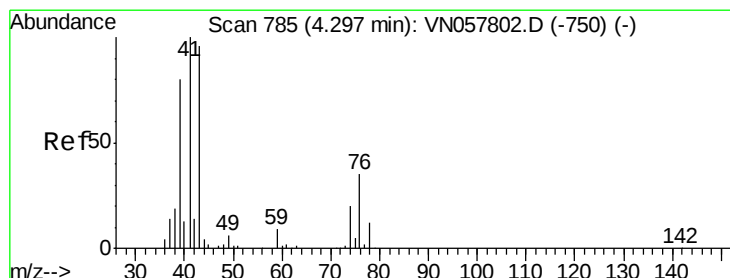
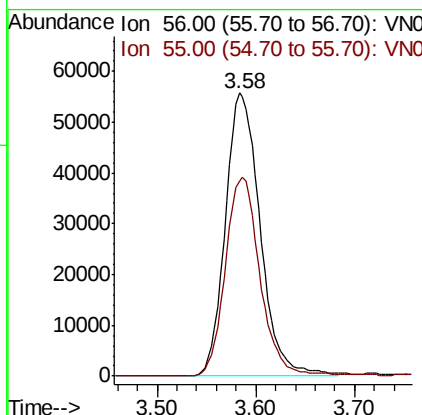
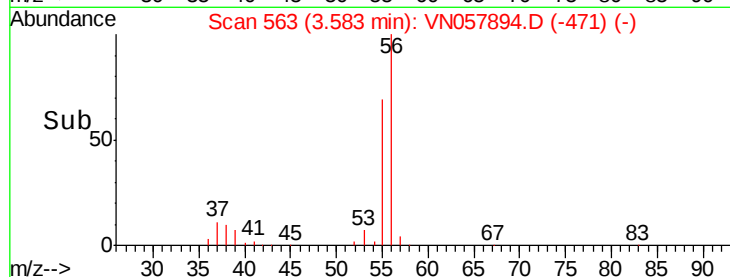
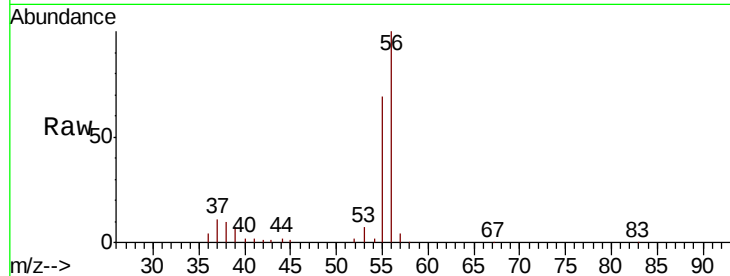
#13
Acrolein
Concen: 193.494 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.4	57.3	85.9	

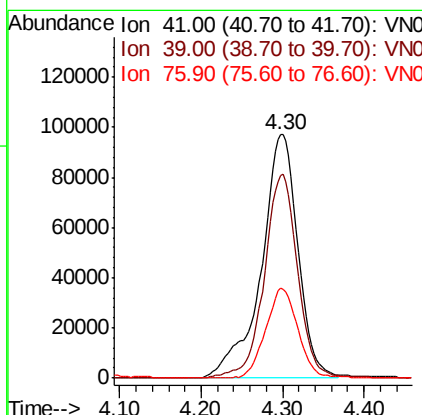
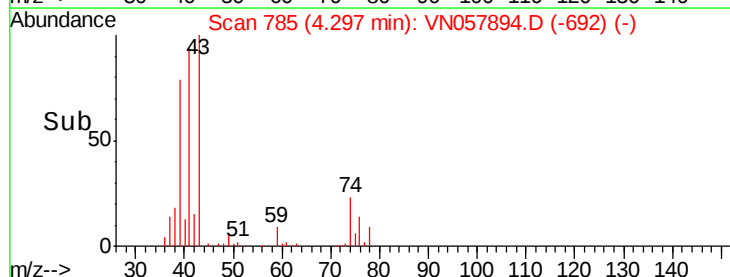
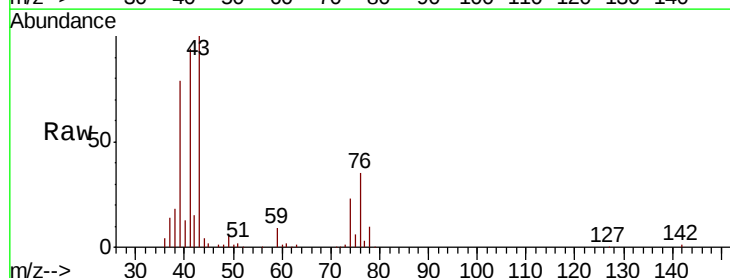
Manual Integrations
APPROVED

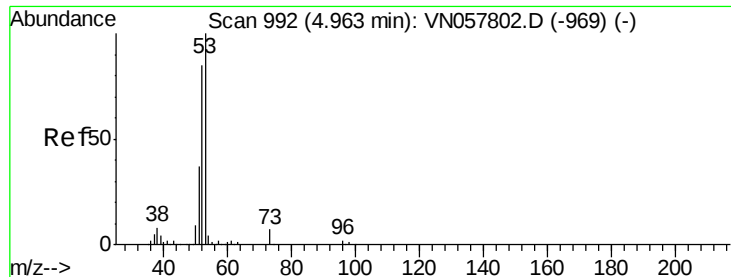
MMDadoda
9/13/2019 7:06:26 AM



#14
Allyl chloride
Concen: 43.350 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	75.2	59.4	89.2	
76	32.5	26.0	39.0	





#15

Acrylonitrile

Concen: 246.529 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

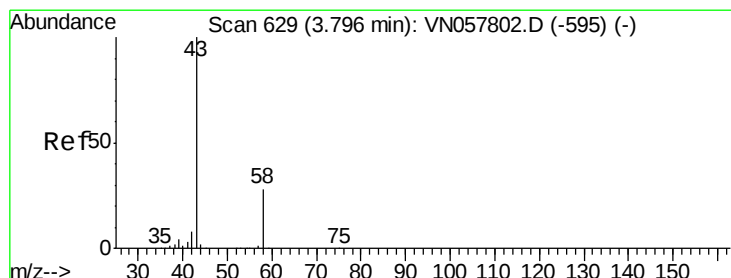
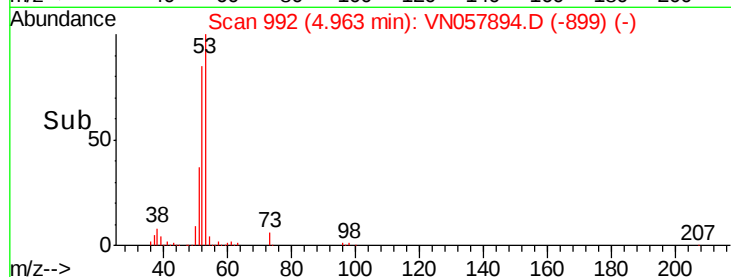
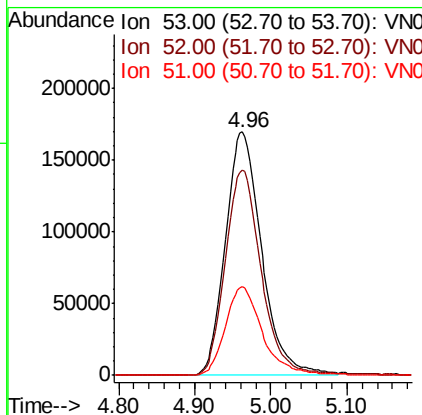
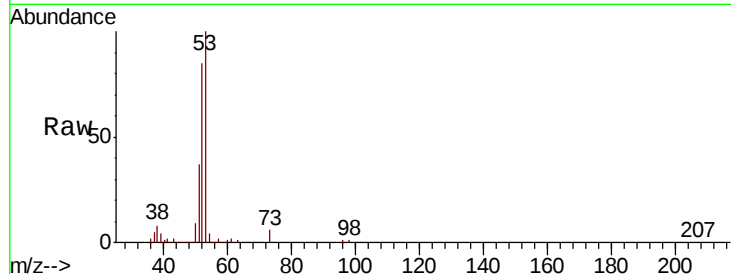
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	564264
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 209.216 ug/l

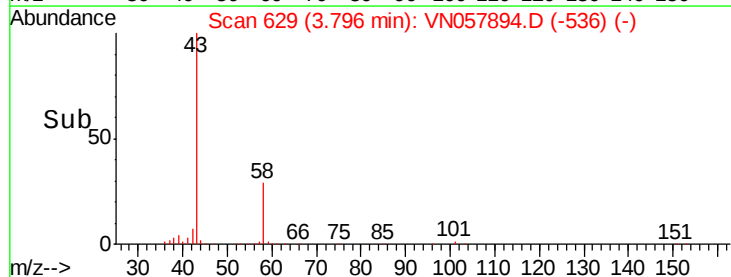
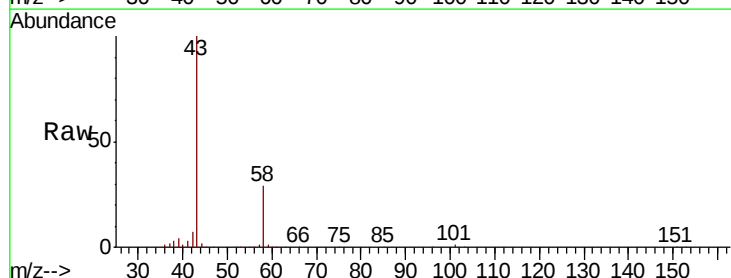
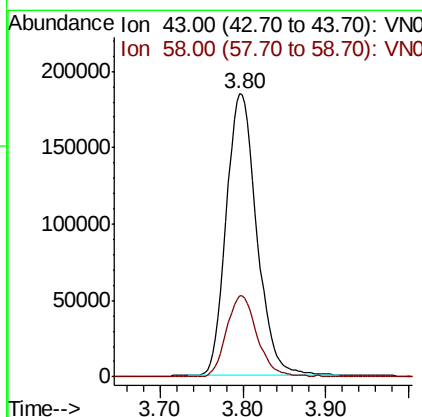
RT: 3.80 min Scan# 629

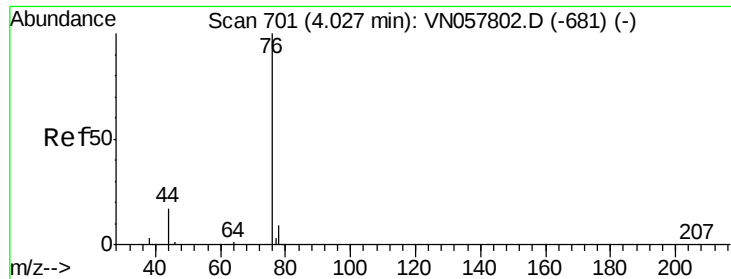
Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion:	43	Resp:	471880
Ion Ratio	Lower	Upper	
43	100		
58	28.7	22.2	33.2





#17

Carbon Disulfide

Concen: 43.039 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 242173

Ion Ratio Lower Upper

76 100

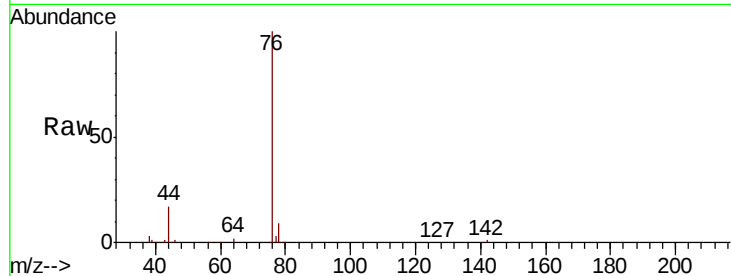
78 9.5 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

100000

80000

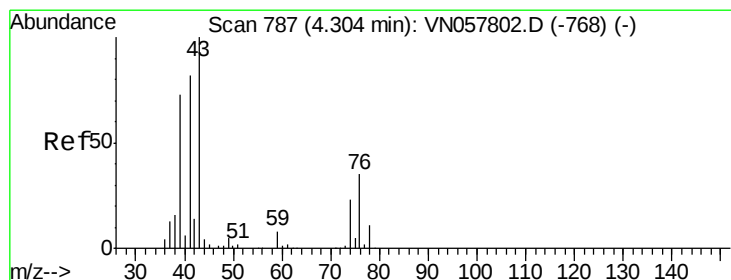
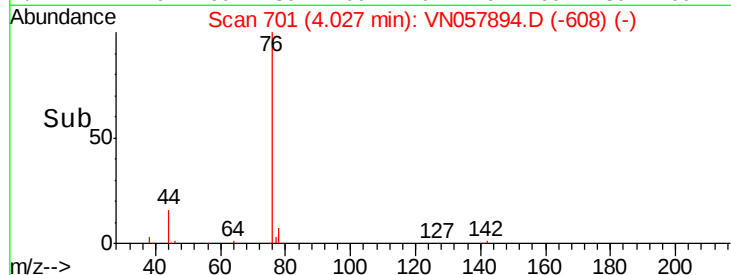
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.637 ug/l

RT: 4.30 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN057894.D

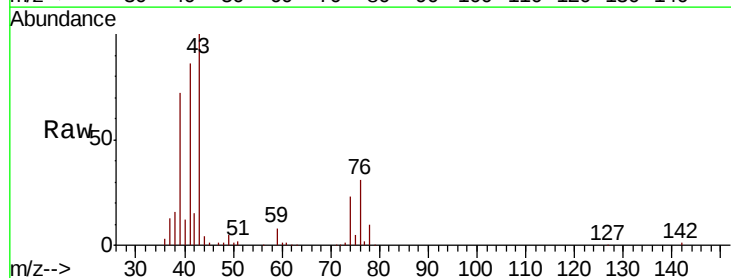
Acq: 11 Sep 2019 3:20

Tgt Ion: 43 Resp: 310530

Ion Ratio Lower Upper

43 100

74 22.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

120000

100000

80000

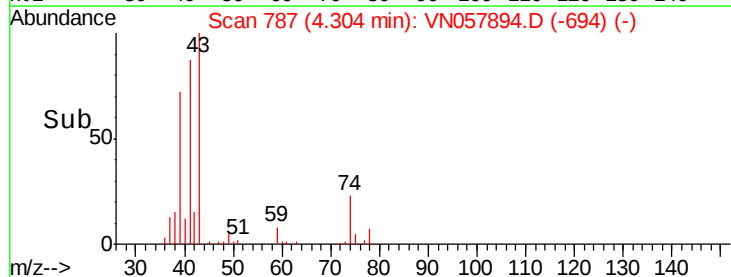
60000

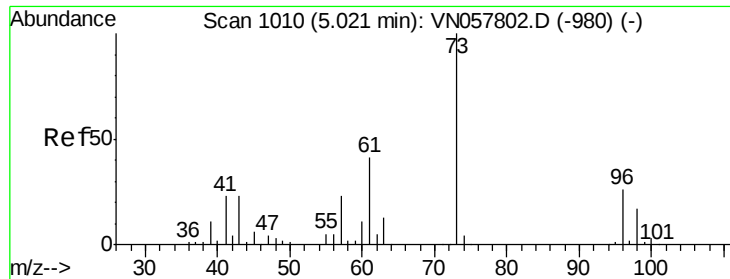
40000

20000

0

Time-->





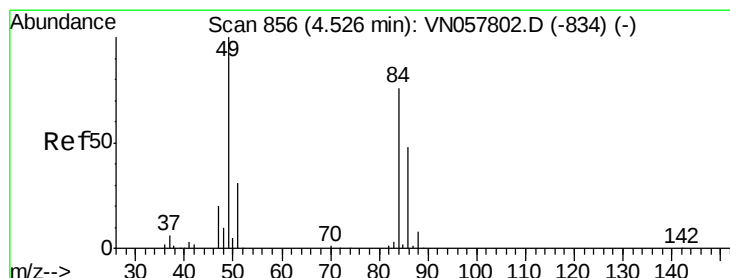
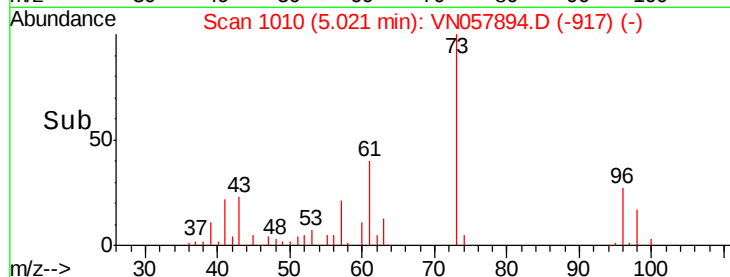
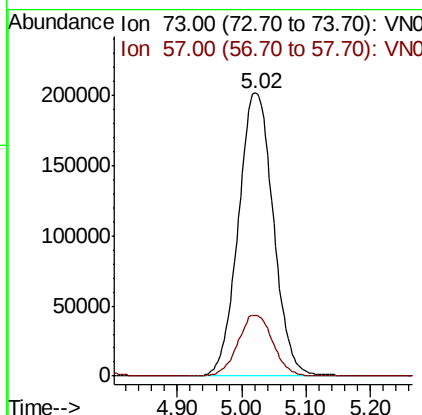
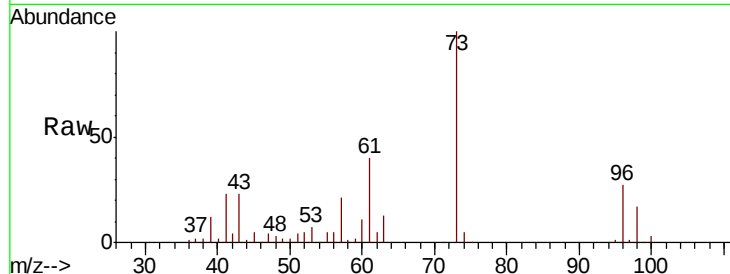
#19
Methvl tert-butvl Ether
Concen: 50.634 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 762209
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.2

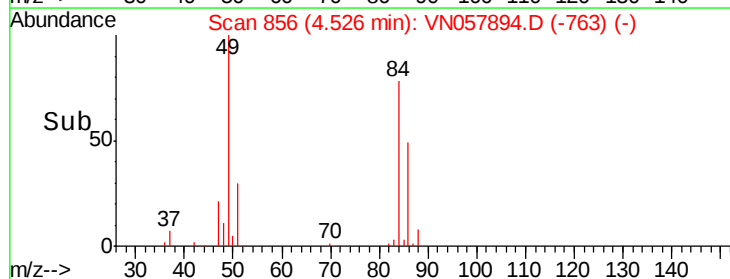
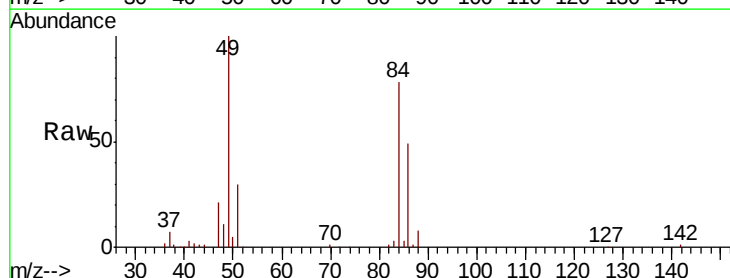
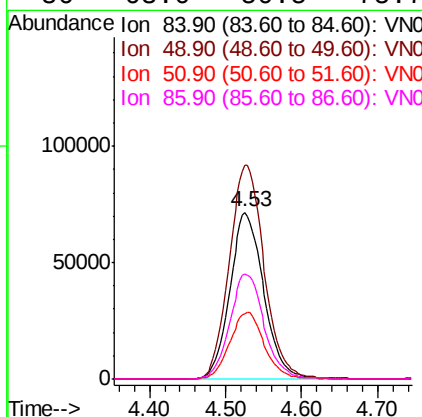
Manual Integrations
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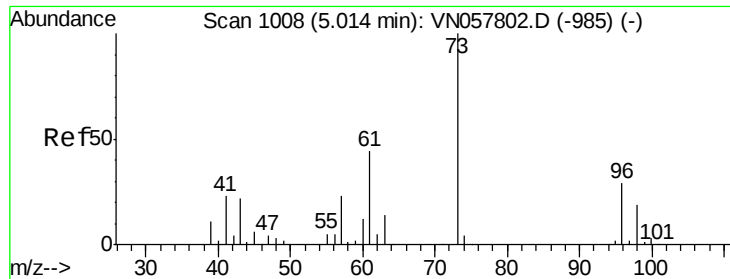
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#20
Methylene Chloride
Concen: 51.508 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion: 84 Resp: 221003
Ion Ratio Lower Upper
84 100
49 128.0 104.8 157.2
51 39.0 33.0 49.4
86 63.0 50.5 75.7





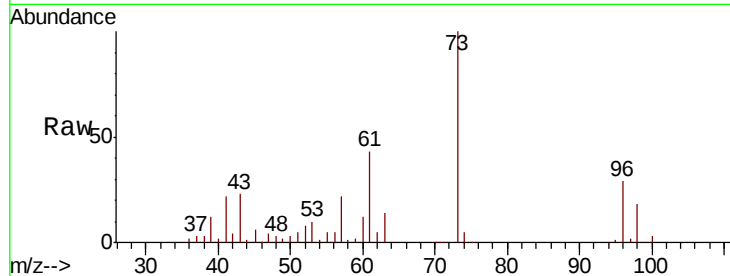
#21
trans-1,2-Dichloroethene
Concen: 46.122 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	121.9	182.9
98	60.6	52.2	78.4

Manual Integrations
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9/13/2019 7:06:26 AM

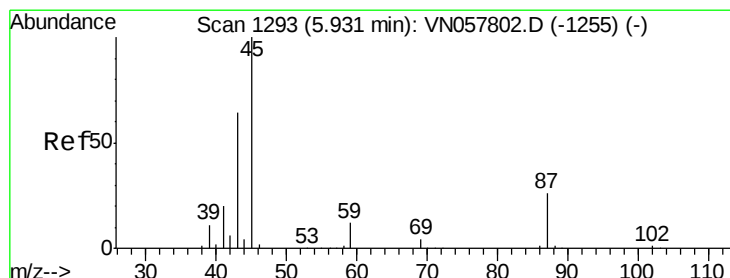
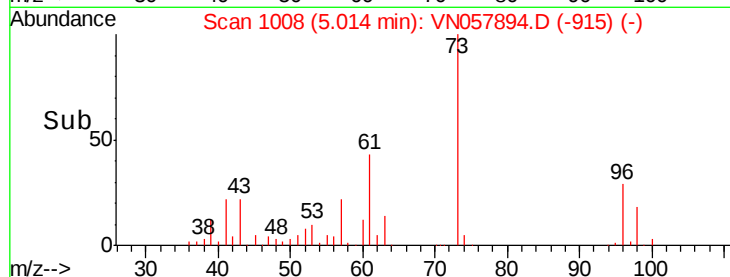
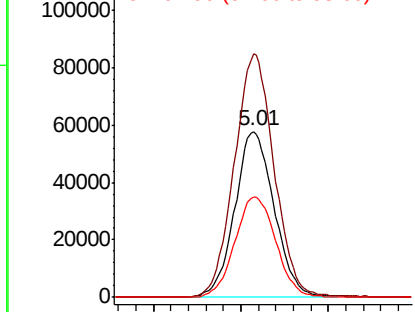


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 49.845 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	51.4	77.2
87	27.0	21.3	31.9
59	11.2	9.3	13.9

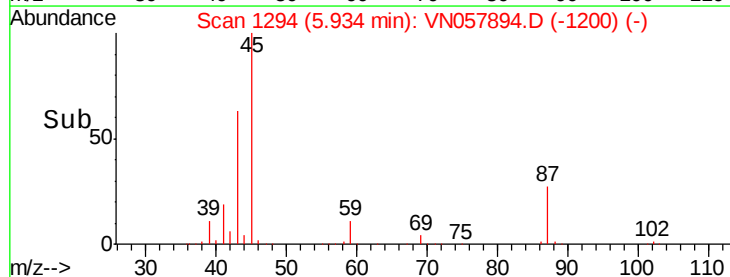
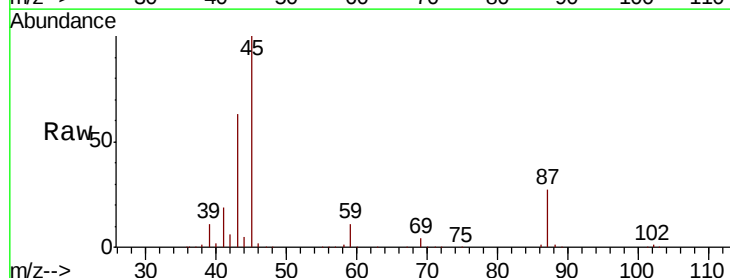
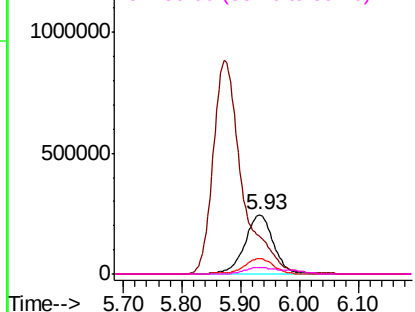
Abundance

Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 256.547 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3018199

Ion Ratio Lower Upper

43 100

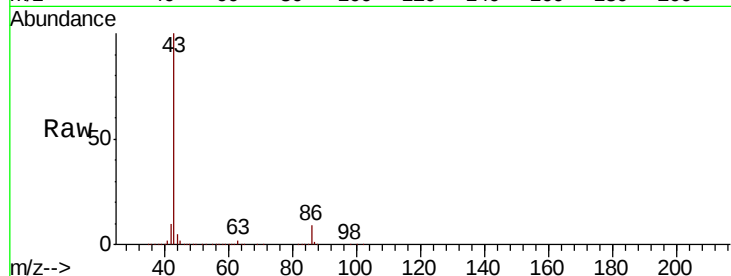
86 9.5 7.7 11.5

Manual Integrations

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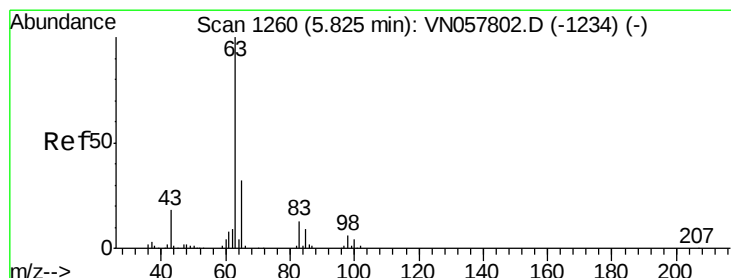
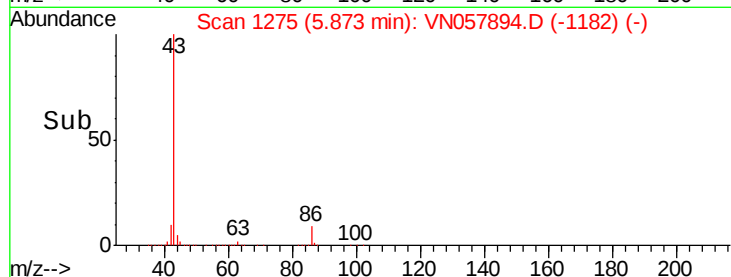
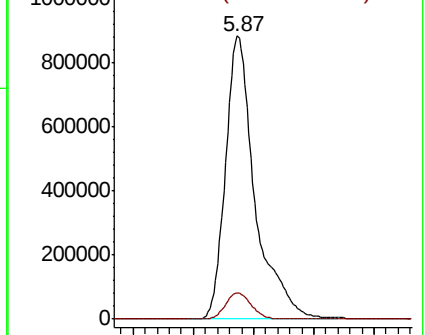
MMDadoda

9/13/2019 7:06:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.031 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

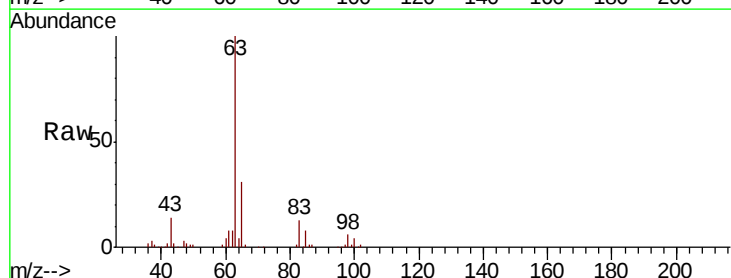
Tgt Ion: 63 Resp: 435760

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

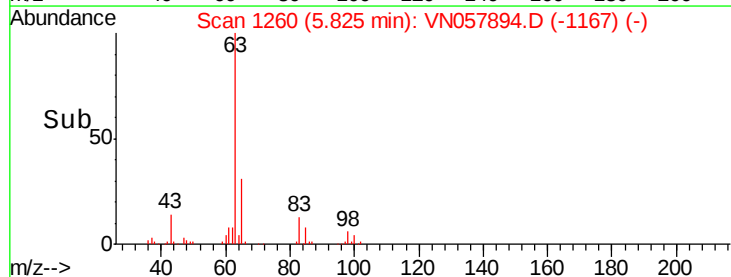
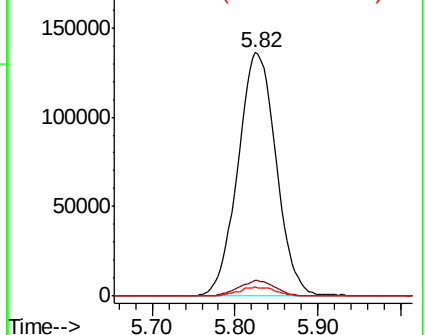
100 3.6 2.0 5.8

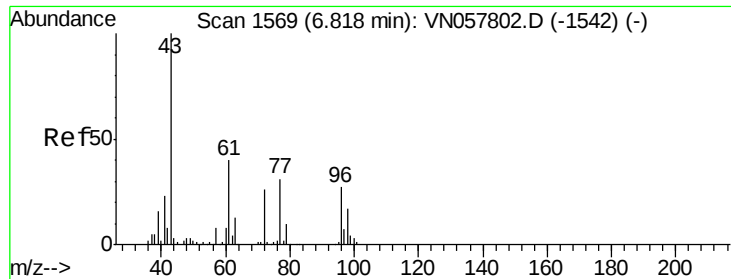


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 236.508 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 772069

Ion Ratio Lower Upper

43 100

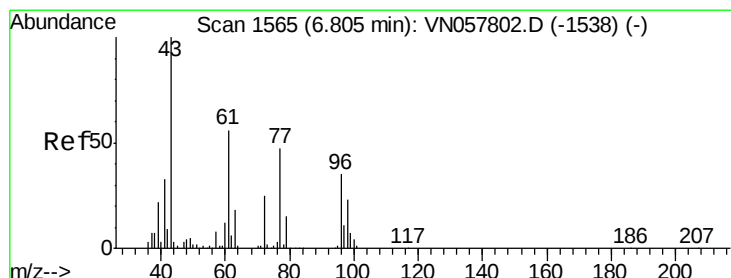
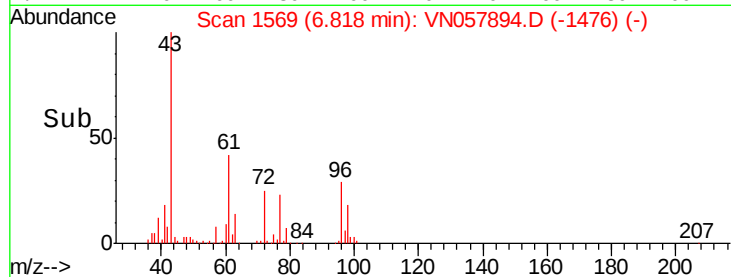
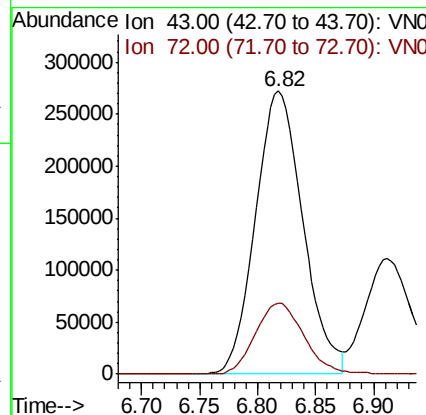
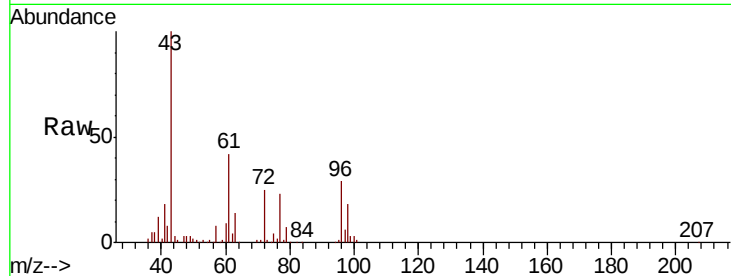
72 25.3 20.6 30.8

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#26

2,2-Dichloropropane

Concen: 33.415 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057894.D

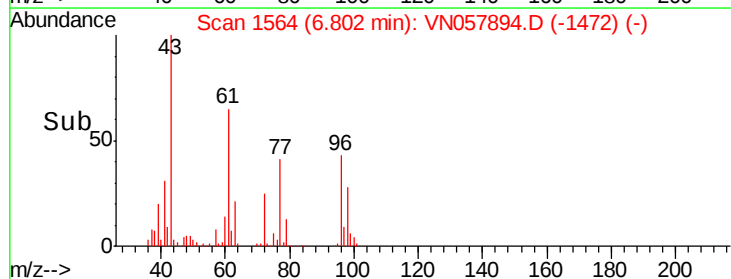
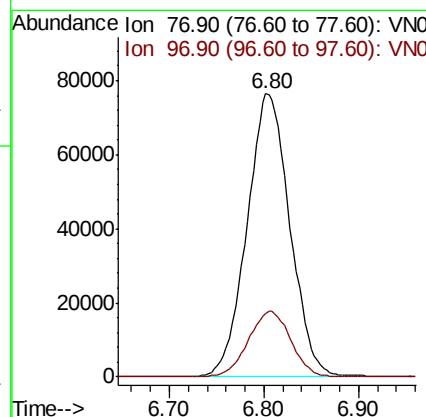
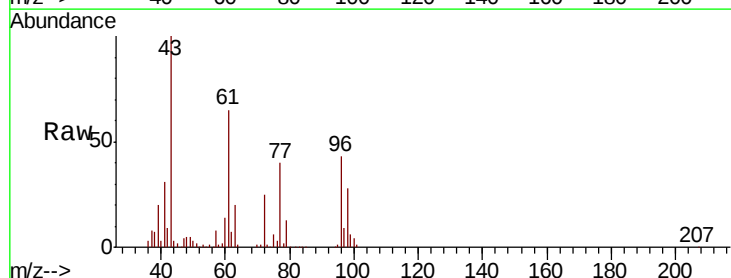
Acq: 11 Sep 2019 3:20

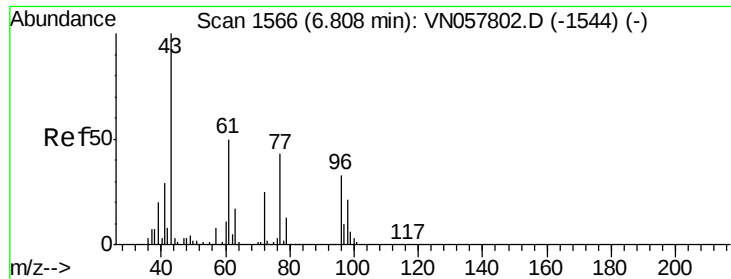
Tgt Ion: 77 Resp: 239916

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.3





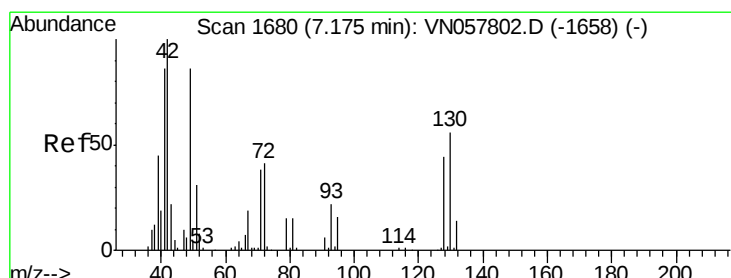
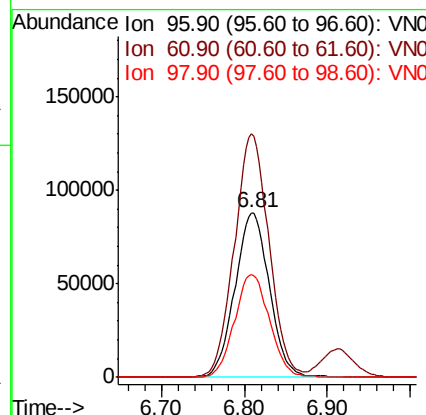
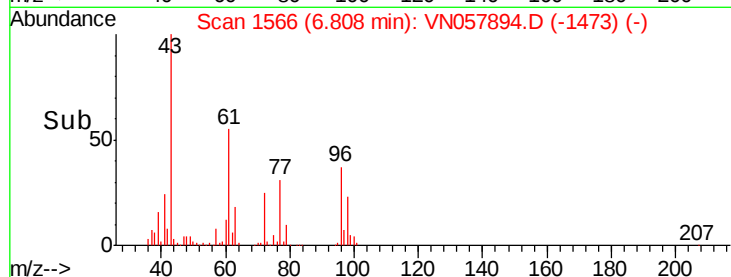
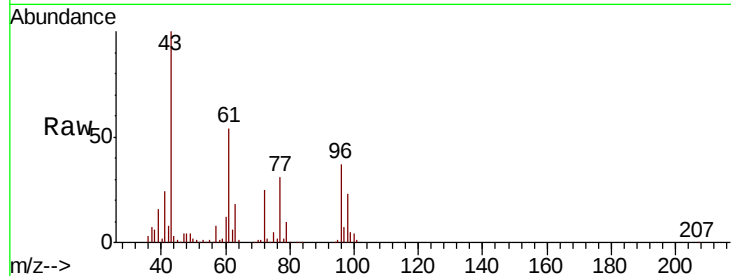
#27
 cis-1,2-Dichloroethene
 Concen: 48.529 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	254298		
61	148.6		0.0	314.0
98	63.8		0.0	128.6

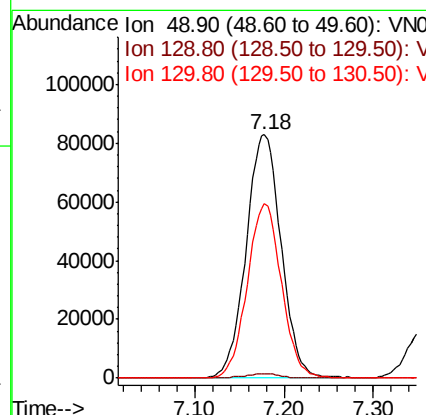
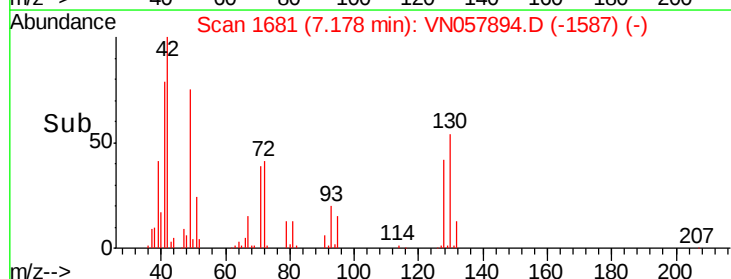
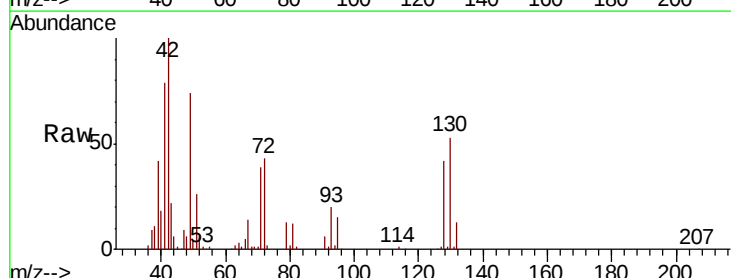
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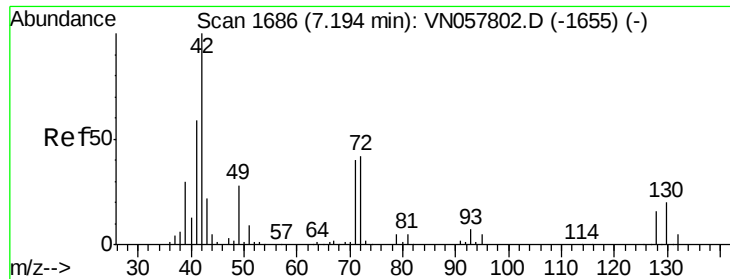
MMDadoda
 9/13/2019 7:06:26 AM



#28
 Bromochloromethane
 Concen: 50.081 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	226992		
129	1.9		0.0	3.8
130	69.9		53.0	79.6





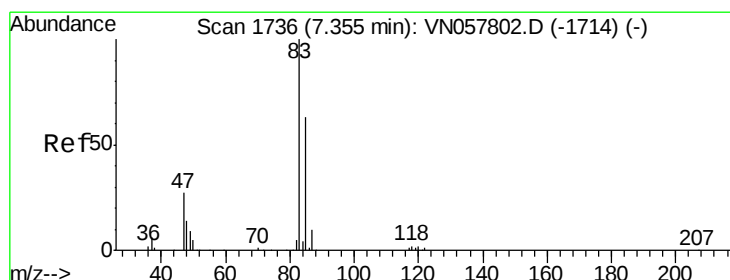
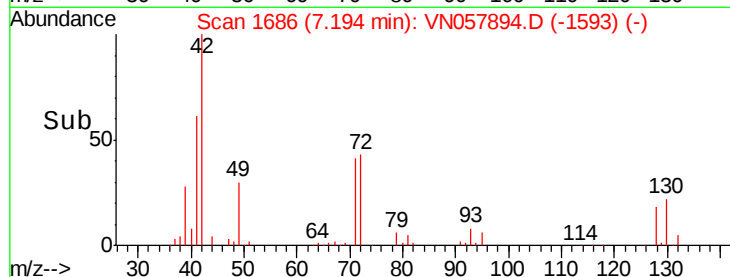
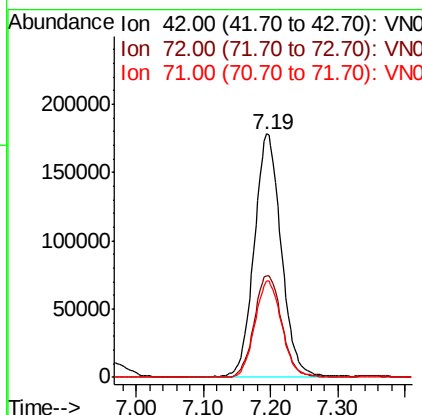
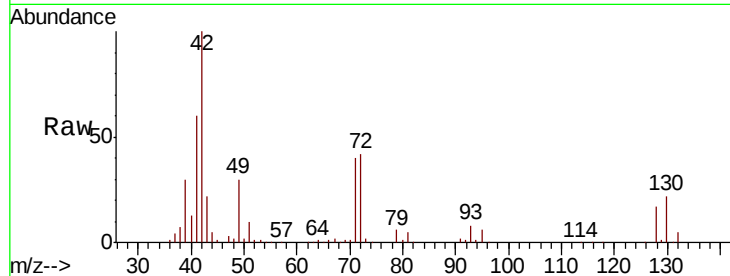
#29
Tetrahydrofuran
Concen: 247.071 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.7	50.5
71	39.4	31.9	47.9

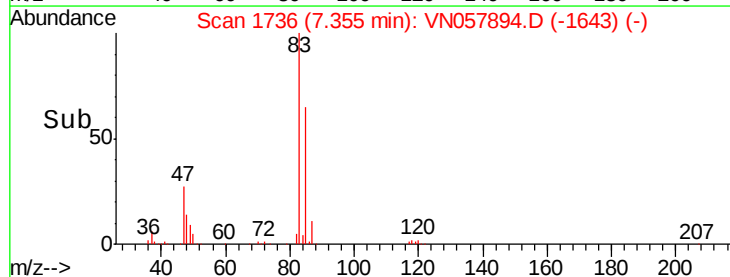
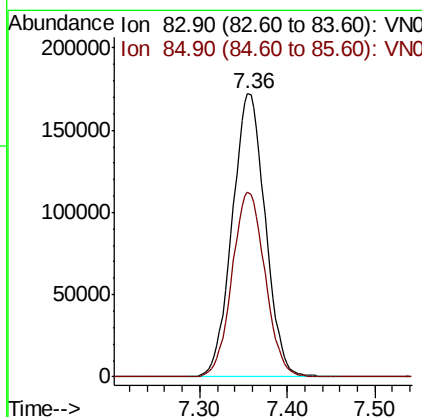
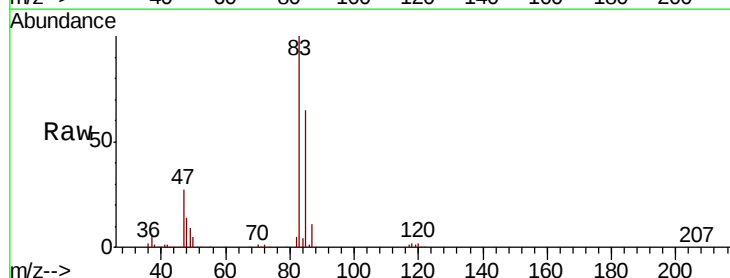
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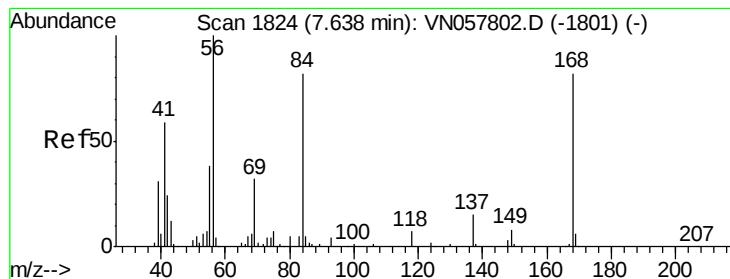
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#30
Chloroform
Concen: 47.604 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	75.8





#31

Cyclohexane

Concen: 48.463 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

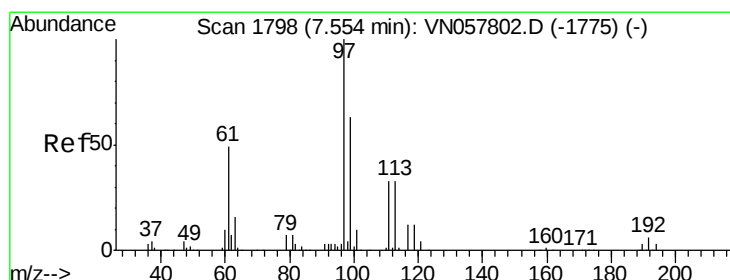
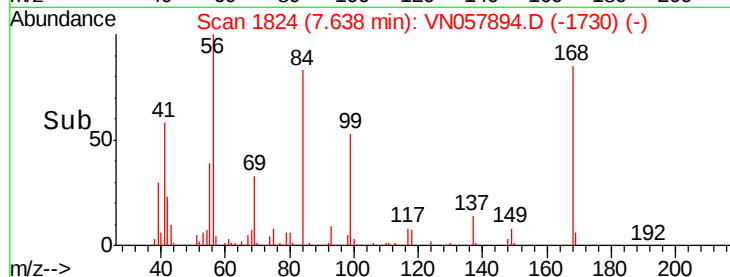
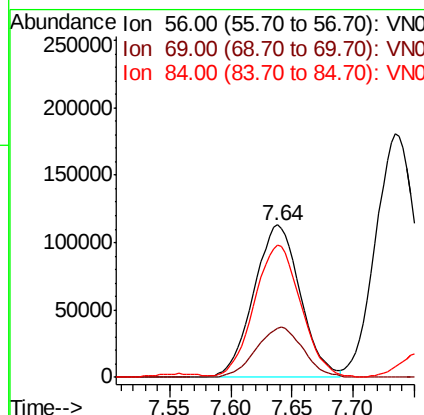
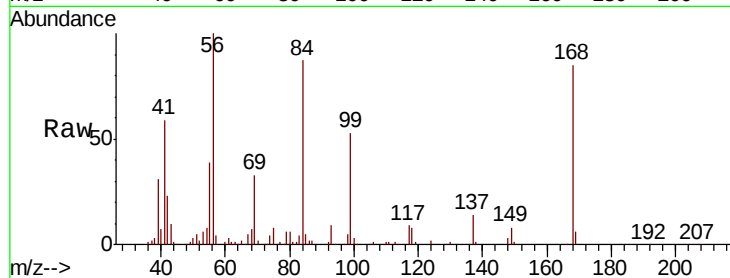
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	300050
Ion Ratio	Lower	Upper	
56	100		
69	32.6	25.9	38.9
84	84.7	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 48.617 ug/l

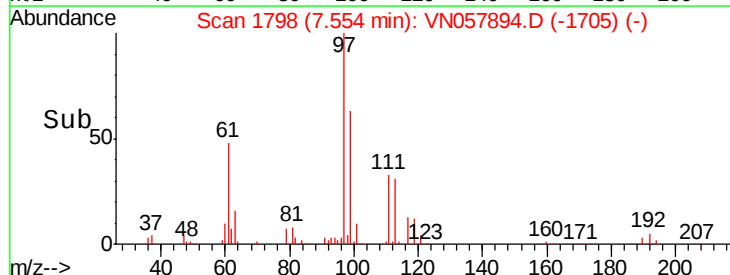
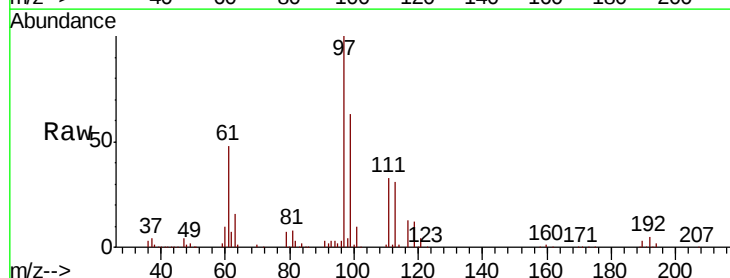
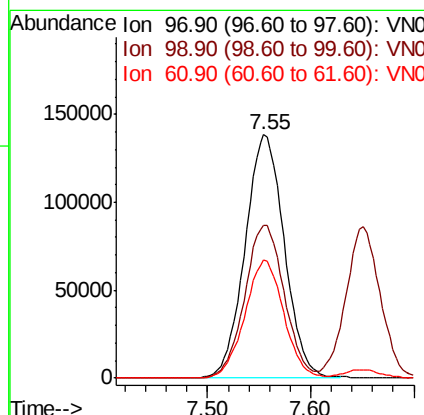
RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion:	97	Resp:	365767
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.0	76.4
61	48.1	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 50.700 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 348828

Ion Ratio Lower Upper

65 100

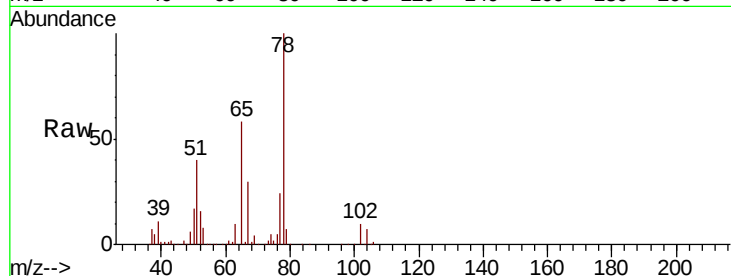
67 51.7 0.0 104.0

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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

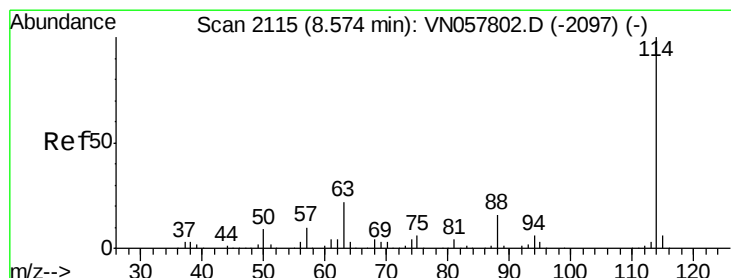
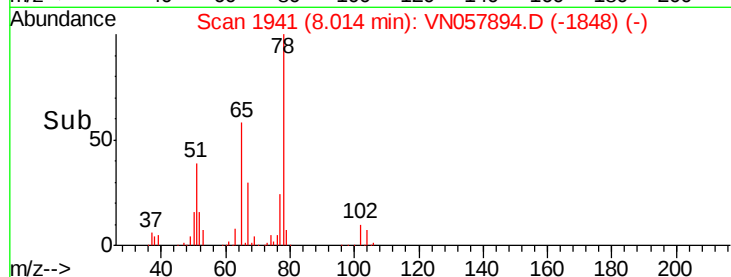
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

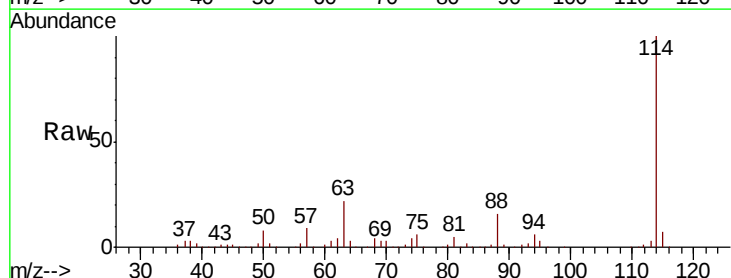
Tgt Ion: 114 Resp: 562857

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 16.2 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

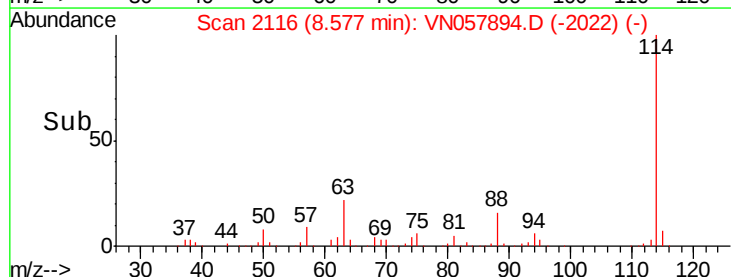
200000

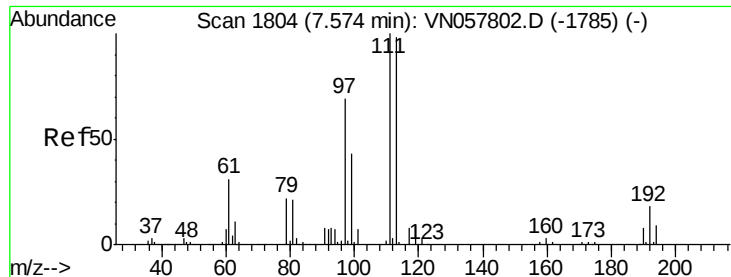
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->





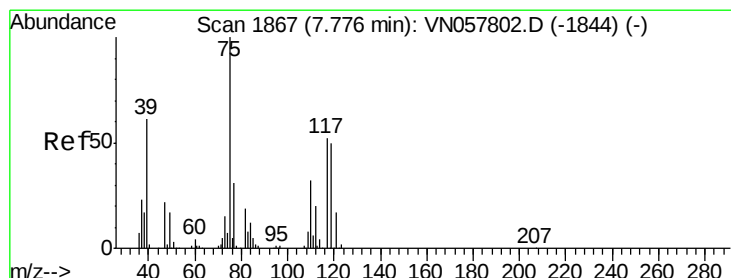
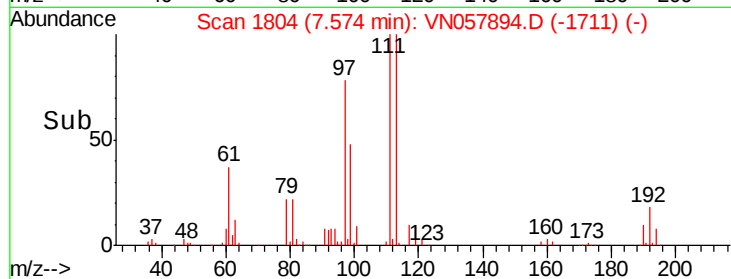
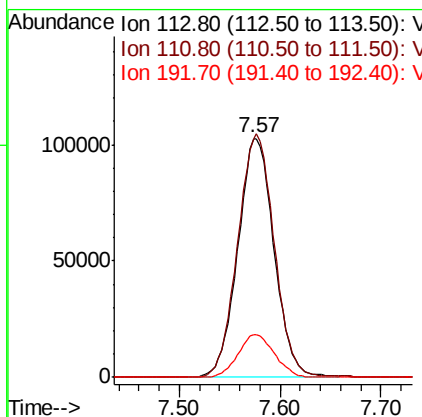
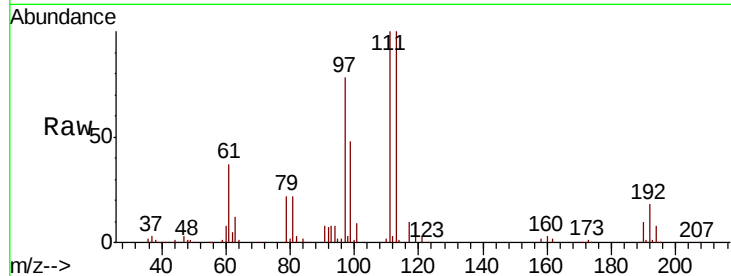
#35
 Dibromofluoromethane
 Concen: 49.118 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	255167		
111	103.1	81.3	121.9	
192	18.0	14.6	22.0	

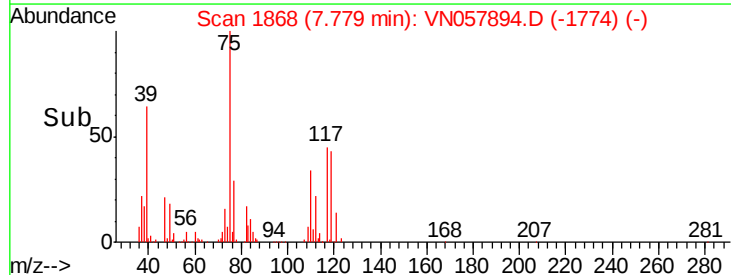
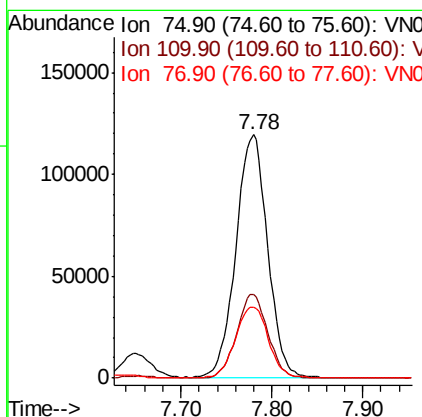
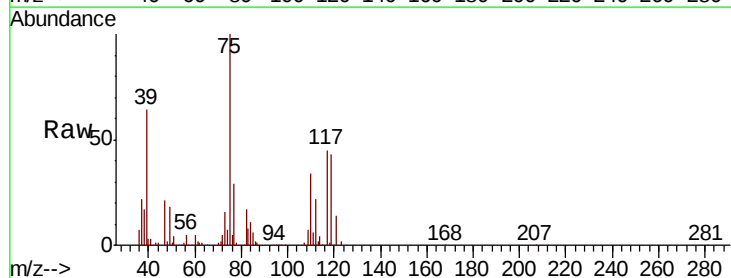
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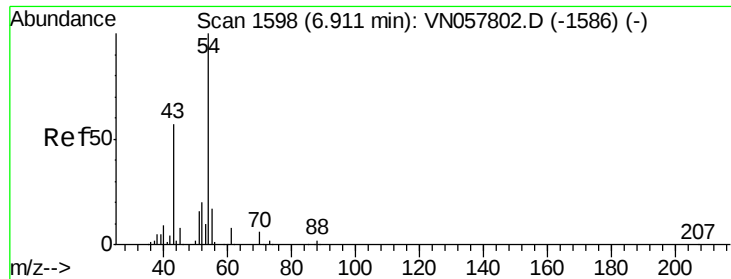
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#36
 1,1-Dichloropropene
 Concen: 44.155 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	288228		
110	33.9	16.3	48.9	
77	30.9	25.0	37.4	





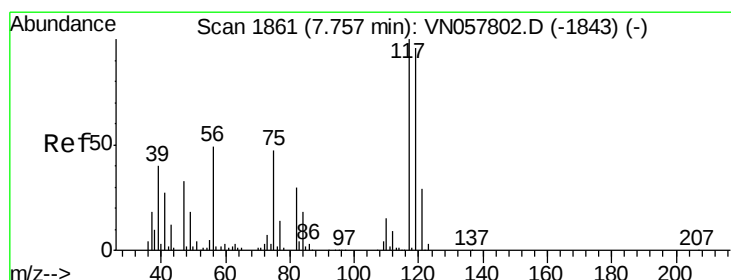
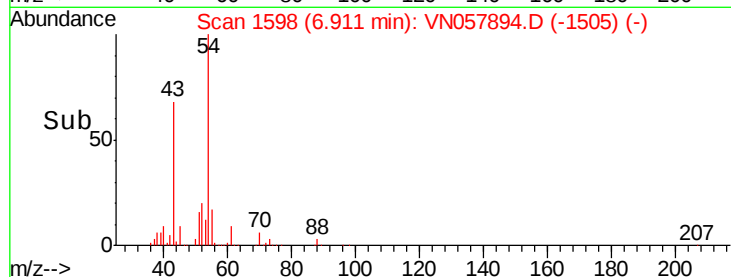
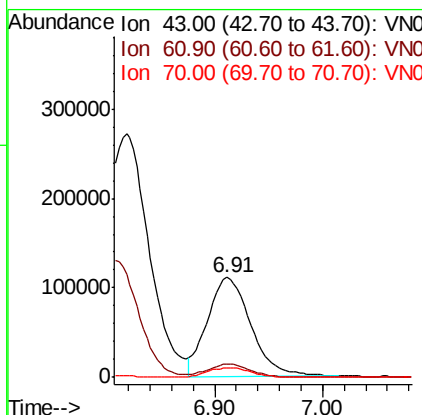
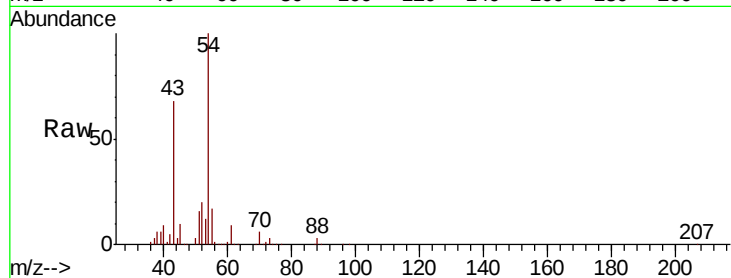
#37
Ethyl Acetate
Concen: 45.864 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.6	10.5	15.7	
70	9.4	7.4	11.0	

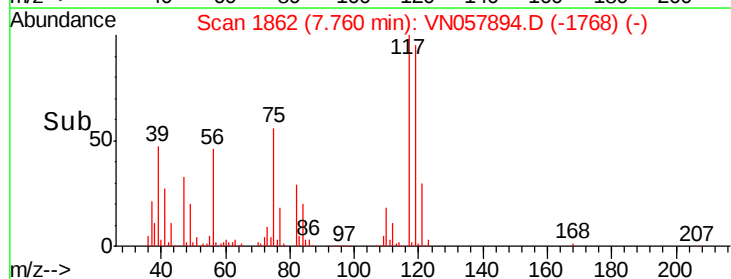
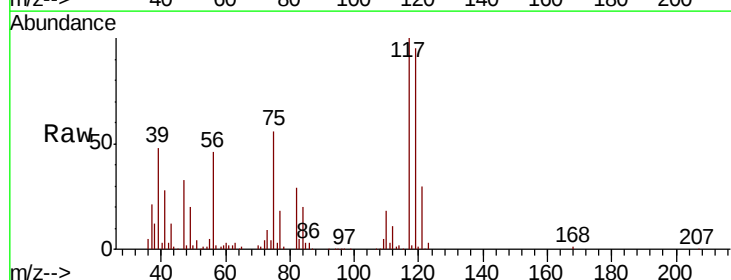
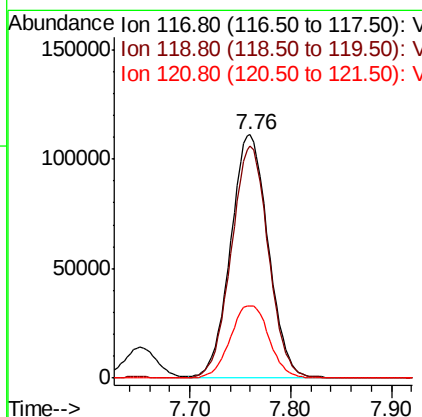
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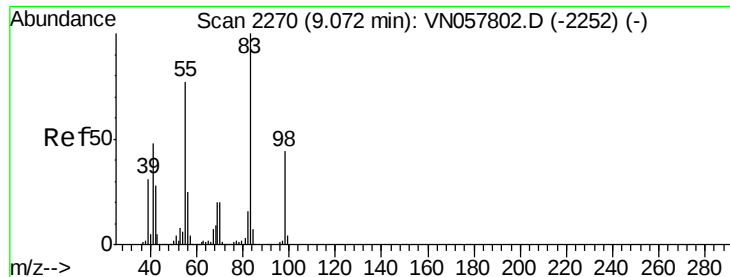
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#38
Carbon Tetrachloride
Concen: 48.089 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	76.9	115.3	
121	29.8	23.4	35.2	





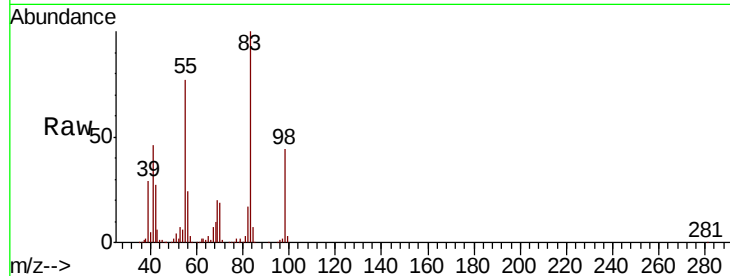
#39
Methvlcvclohexane
Concen: 43.544 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

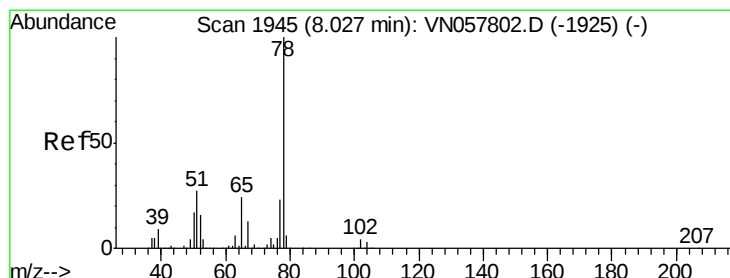
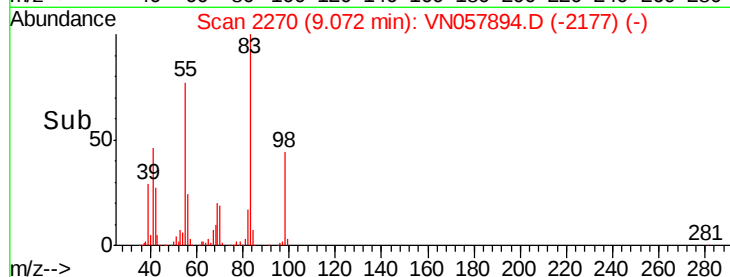
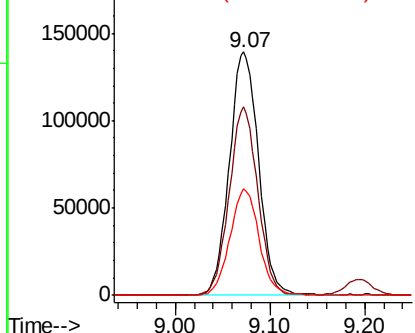
Tot Ion	Ratio	Resp	Lower	Upper
83	100	298798		
55	77.3	61.6	92.4	
98	43.7	34.9	52.3	

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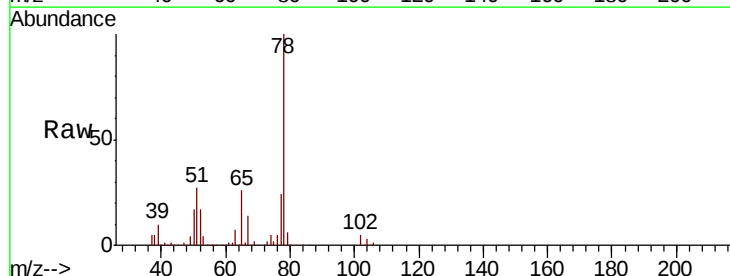


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

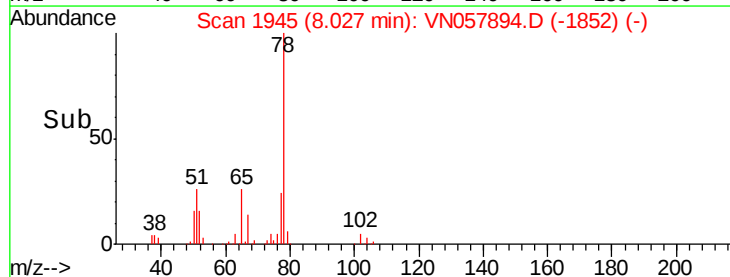
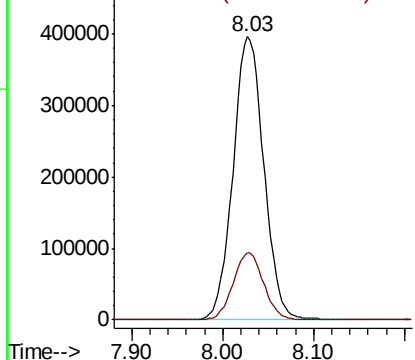


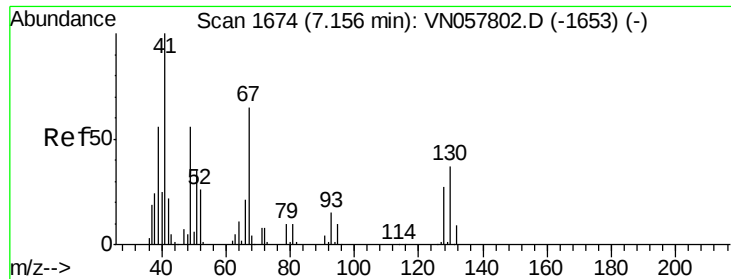
#40
Benzene
Concen: 47.294 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	929450		
77	23.8	18.3	27.5	



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





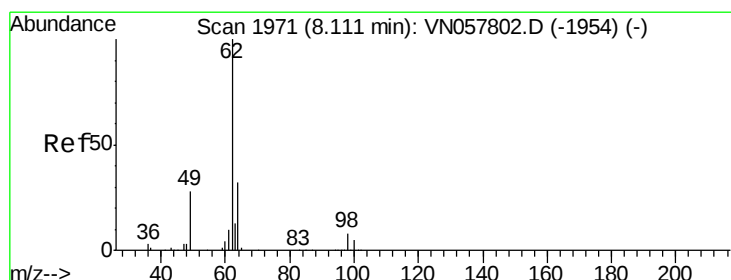
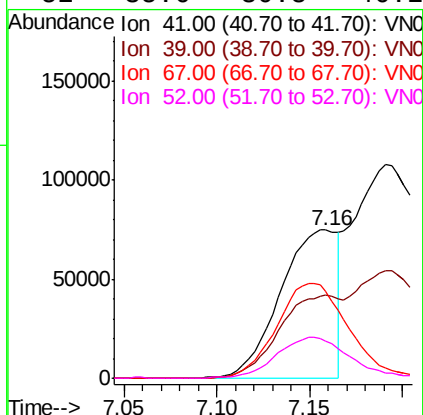
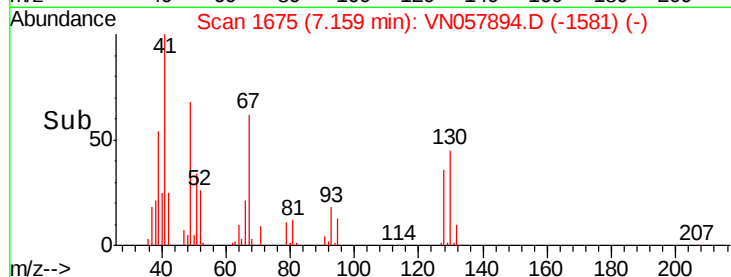
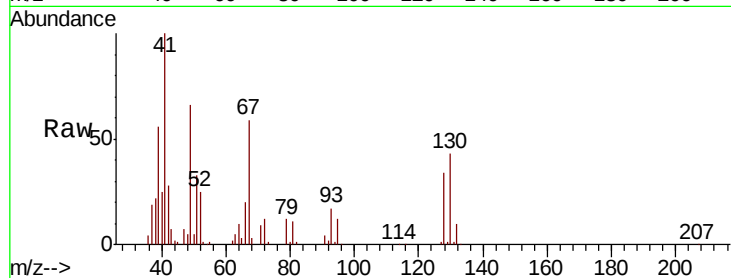
#41
Methacrylonitrile
Concen: 52.593 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	161010
Ion Ratio	Lower	Upper	
41	100		
39	61.1	51.0	76.6
67	80.5	70.7	106.1
52	35.6	30.8	46.2

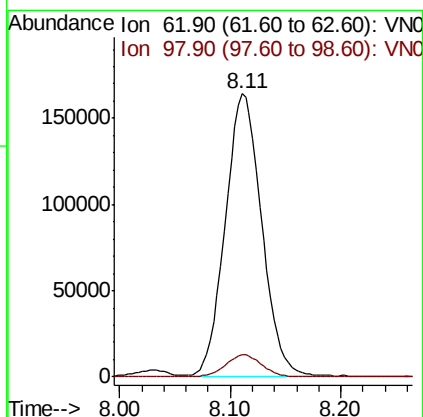
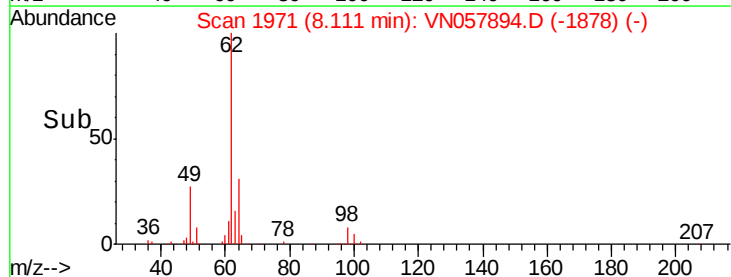
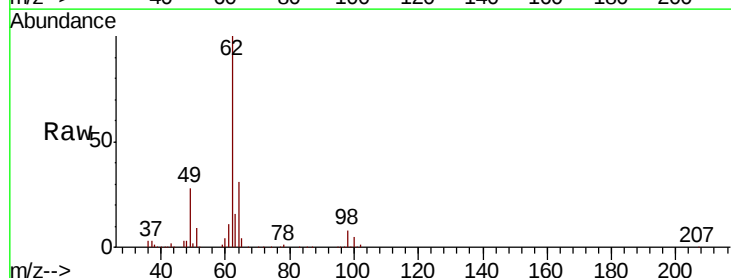
Manual Integrations
APPROVED

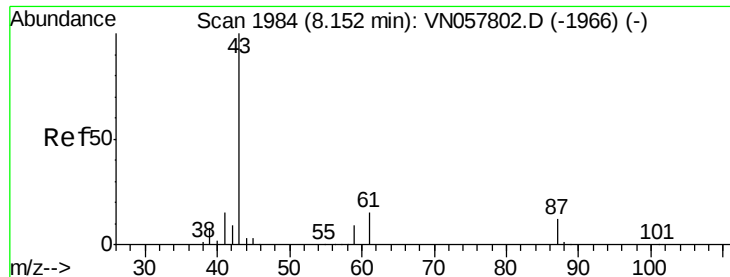
MMDadoda
9/13/2019 7:06:26 AM



#42
1,2-Dichloroethane
Concen: 47.549 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	62	Resp	373719
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	15.8





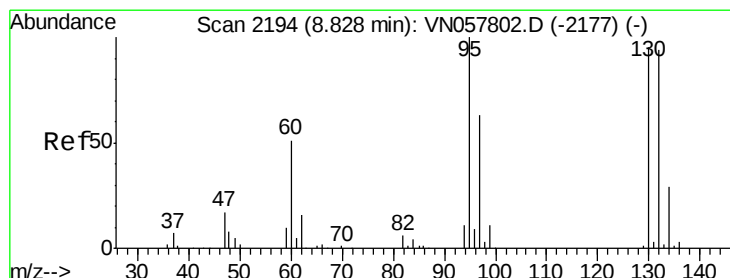
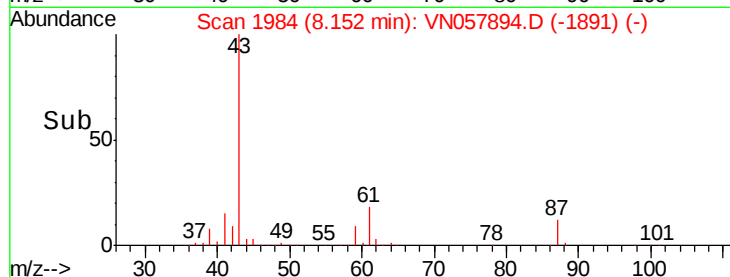
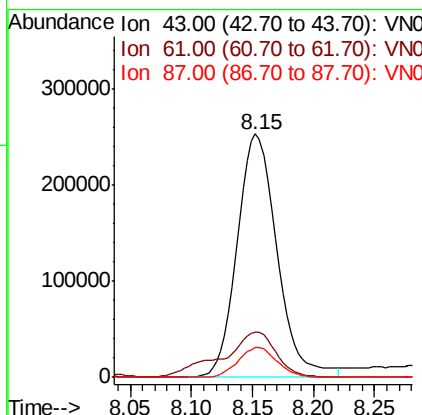
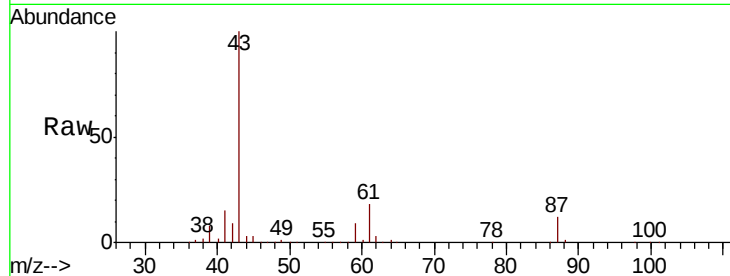
#43
Isopropyl Acetate
Concen: 50.204 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.1	30.1
87	12.1	9.5	14.3

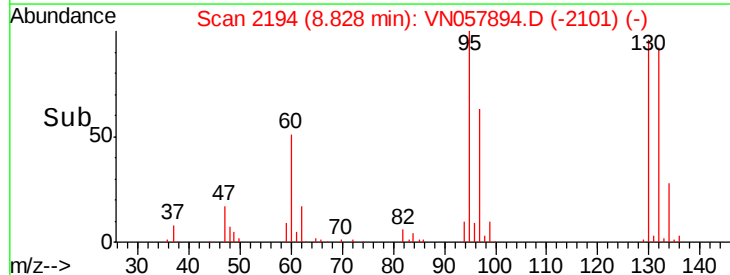
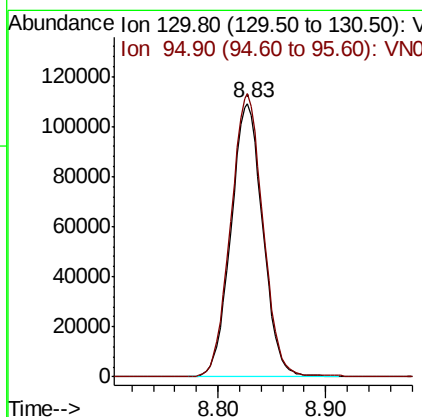
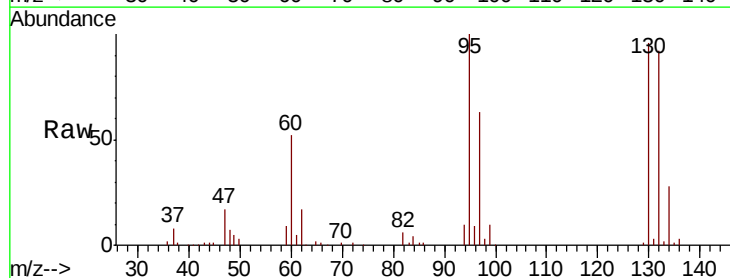
Manual Integrations
APPROVED

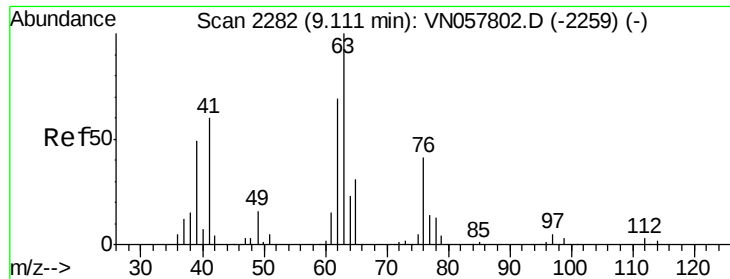
MMDadoda
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#44
Trichloroethene
Concen: 46.483 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	211.4





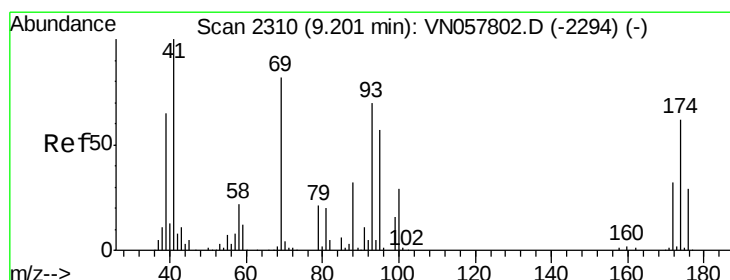
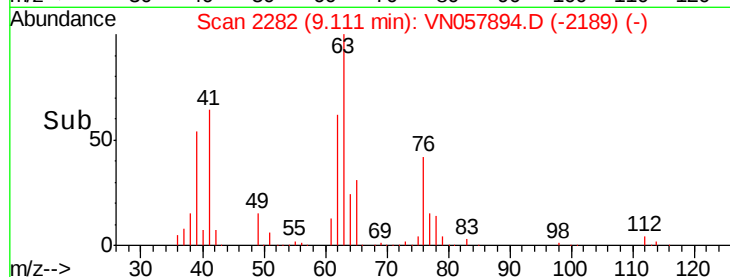
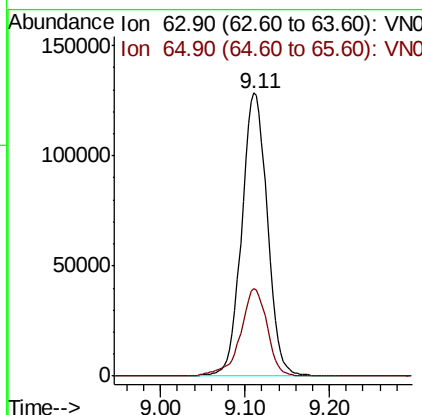
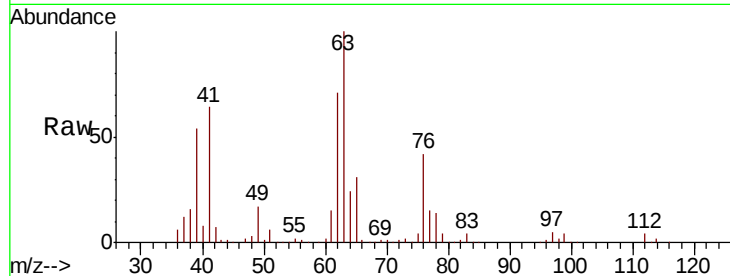
#45
 1,2-Dichloropropane
 Concen: 47.586 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.8	37.2

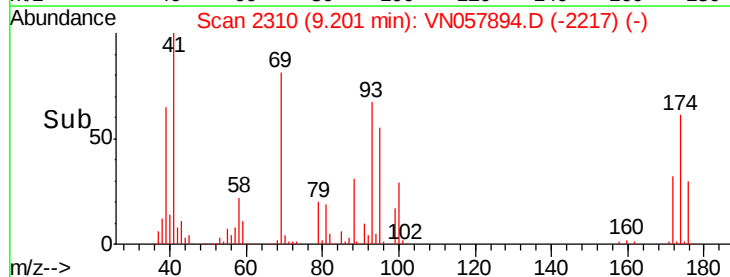
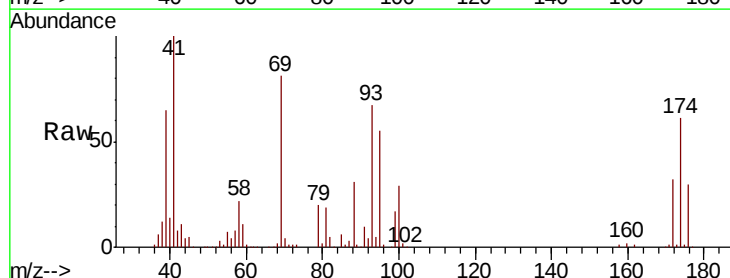
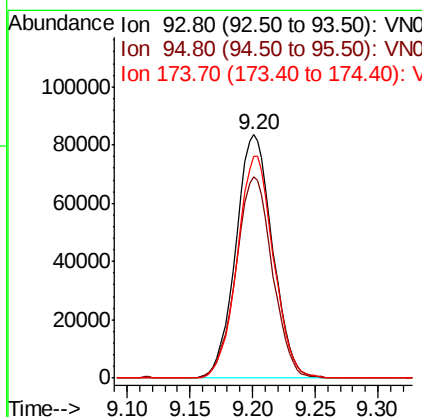
Manual Integrations
 APPROVED

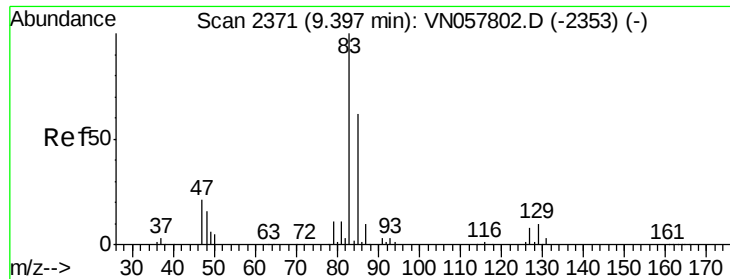
MMDadoda
 9/13/2019 7:06:26 AM



#46
 Dibromomethane
 Concen: 49.151 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.9	98.9
174	90.5	71.8	107.6





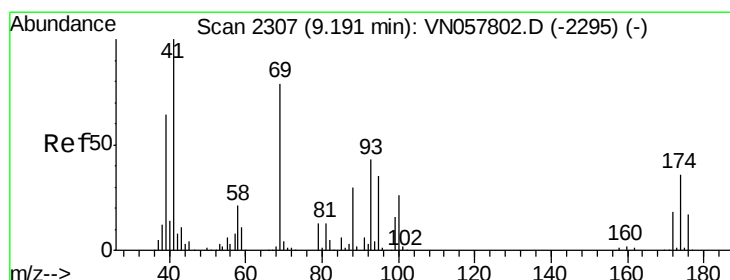
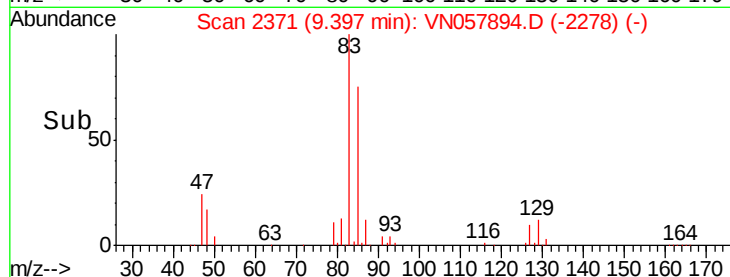
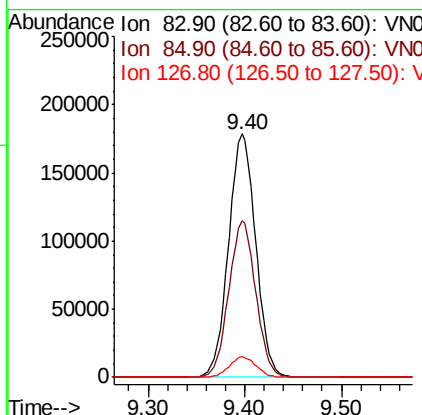
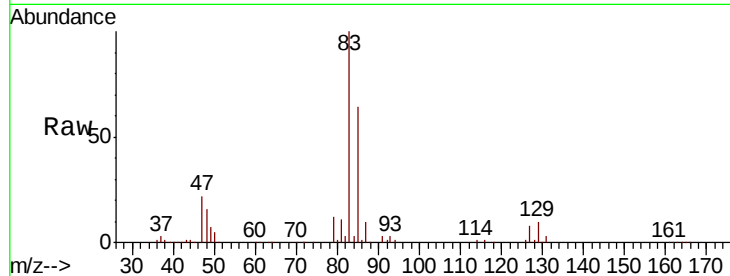
#47
Bromodichloromethane
Concen: 50.456 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	83	Resp:	348173
Ion Ratio	Lower	Upper	
83	100		
85	64.3	49.9	74.9
127	8.4	6.5	9.7

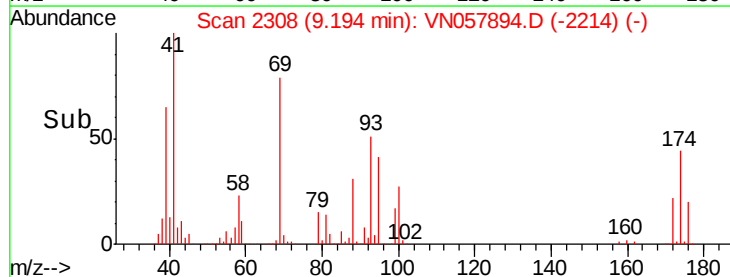
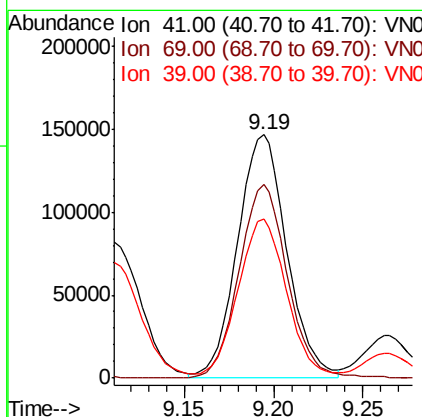
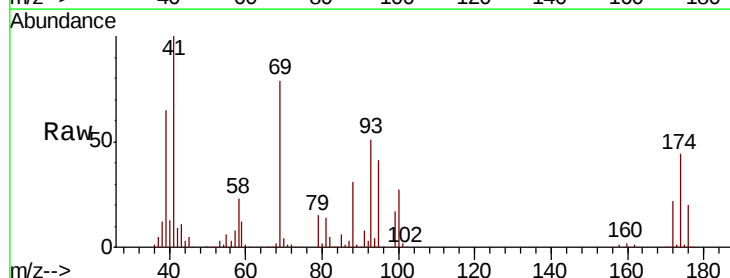
Manual Integrations
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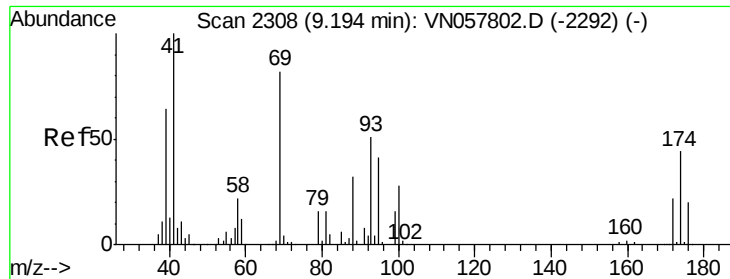
MMDadoda
9/13/2019 7:06:26 AM



#48
Methyl methacrylate
Concen: 49.033 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion:	41	Resp:	282100
Ion Ratio	Lower	Upper	
41	100		
69	79.0	62.7	94.1
39	64.9	52.7	79.1





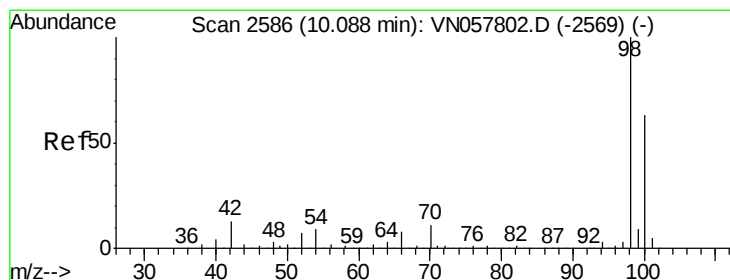
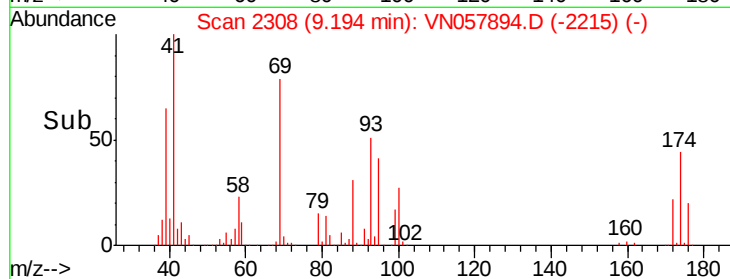
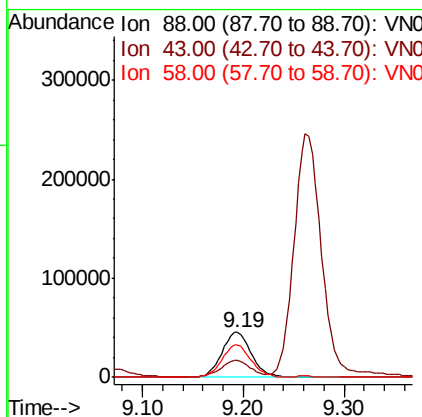
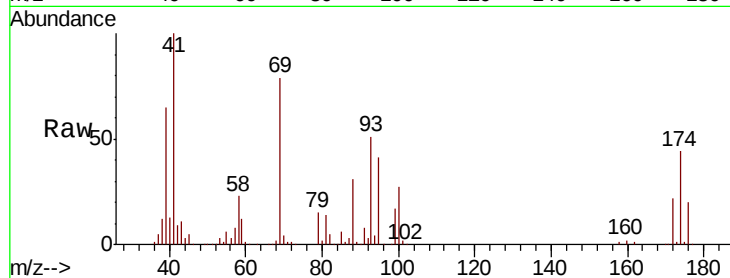
#49
1,4-Dioxane
Concen: 956.025 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	28.5	42.7
58	71.4	55.8	83.6

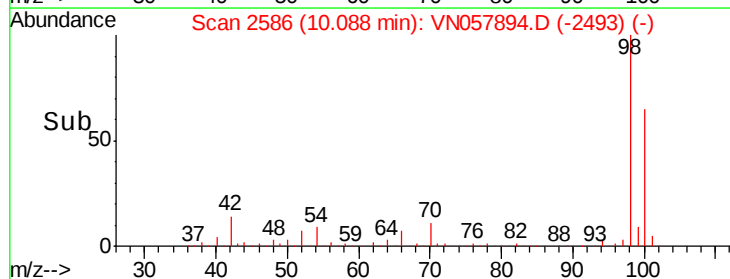
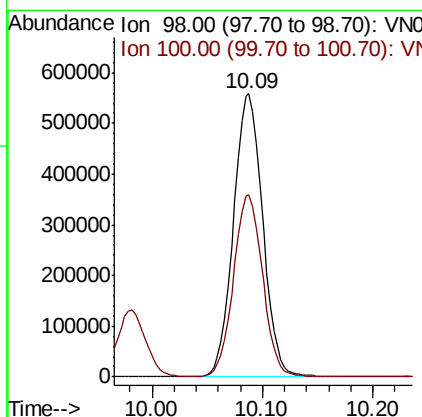
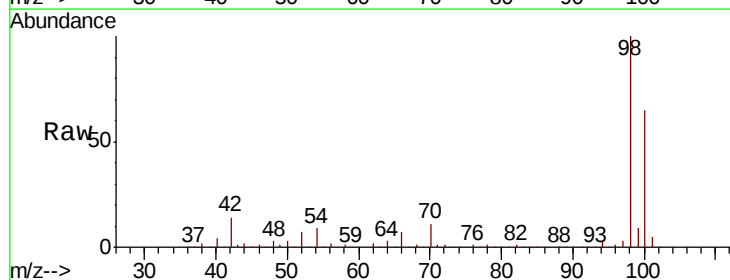
Manual Integrations
APPROVED

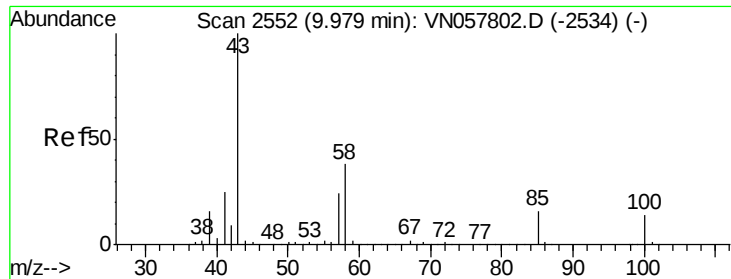
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#50
Toluene-d8
Concen: 50.984 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 264.164 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1772978

Ion Ratio Lower Upper

43 100

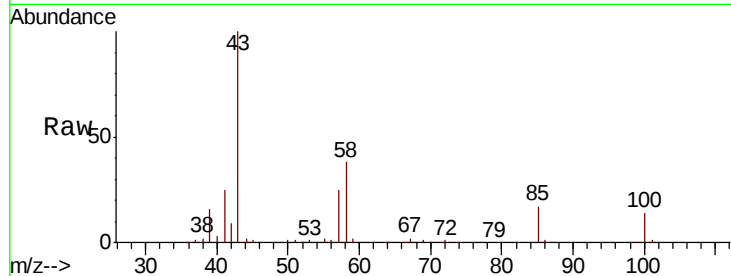
58 37.3 29.8 44.6

Manual Integrations

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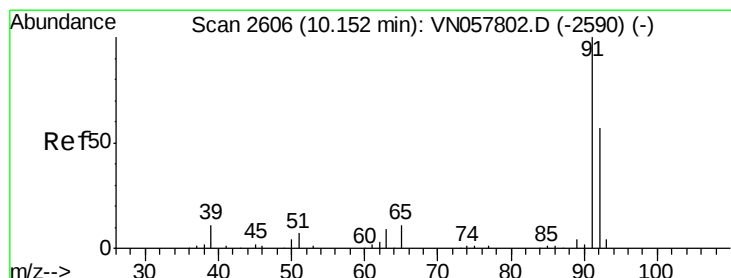
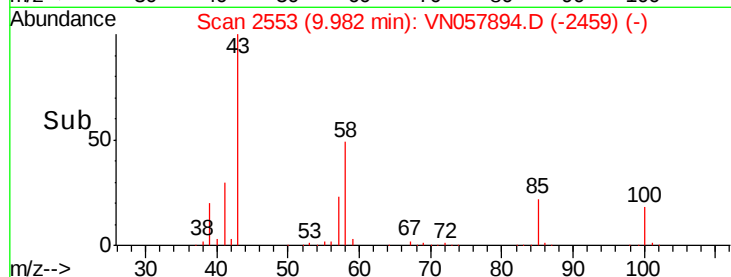
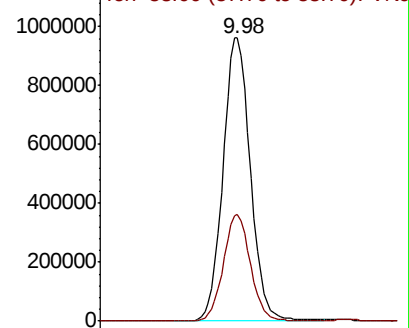
MMDadoda

9/13/2019 7:06:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.998 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057894.D

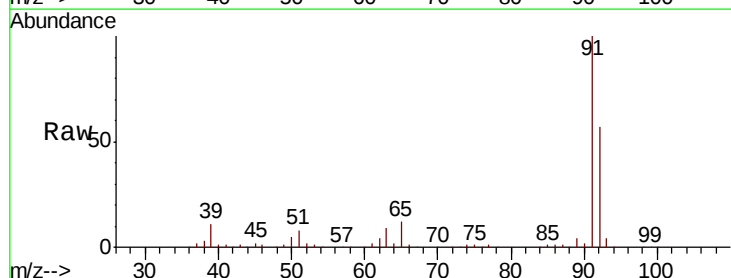
Acq: 11 Sep 2019 3:20

Tgt Ion: 92 Resp: 594110

Ion Ratio Lower Upper

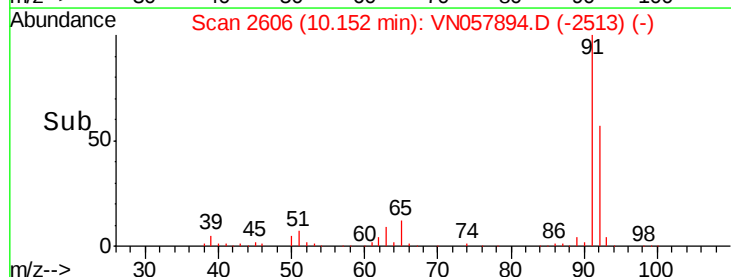
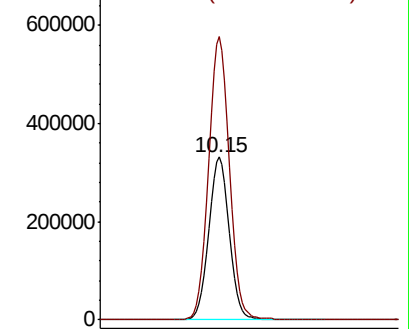
92 100

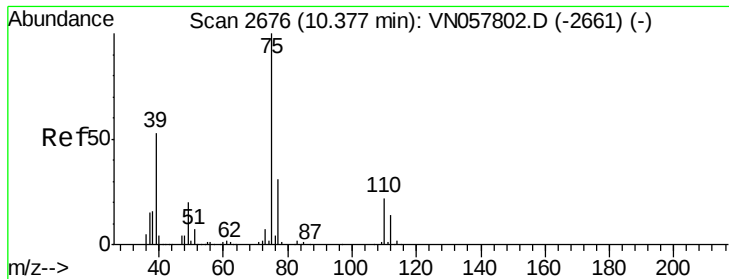
91 176.3 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 48.966 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 355818

Ion Ratio Lower Upper

75 100

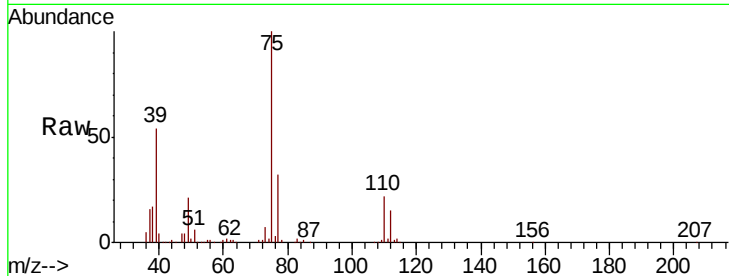
77 31.9 24.5 36.7

Manual Integrations

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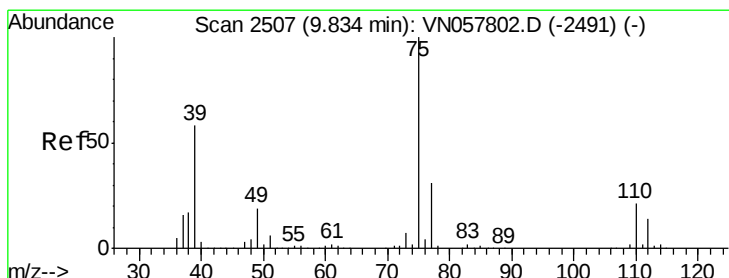
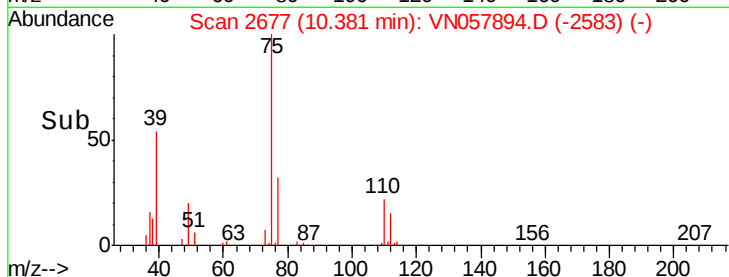
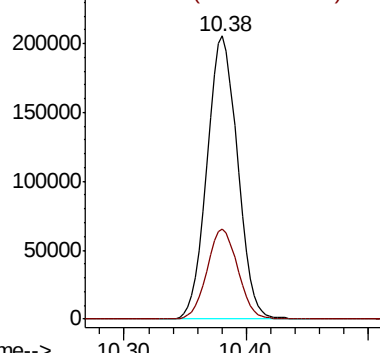
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.440 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

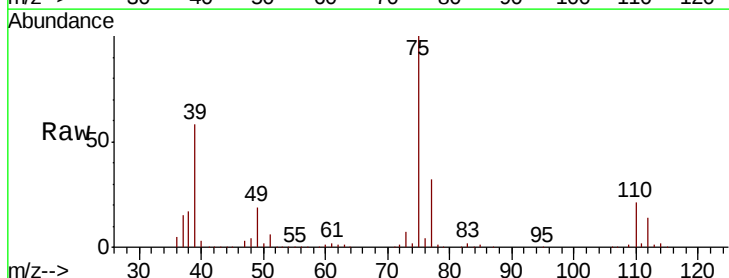
Tgt Ion: 75 Resp: 388627

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

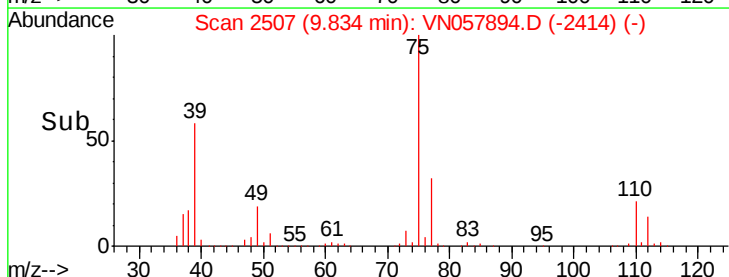
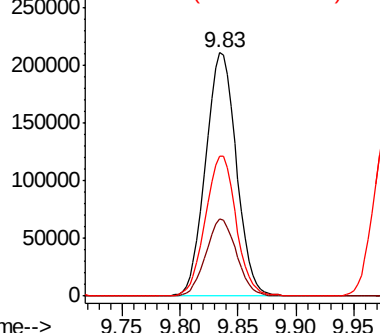
39 57.6 46.2 69.4

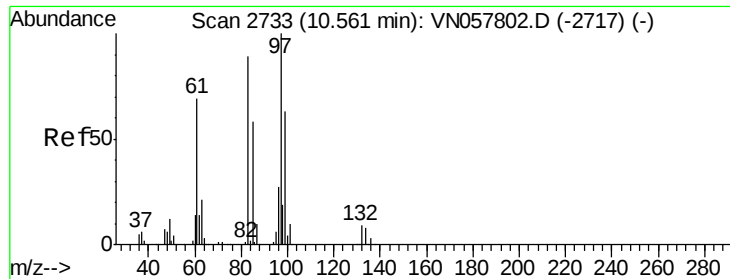


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 49.321 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

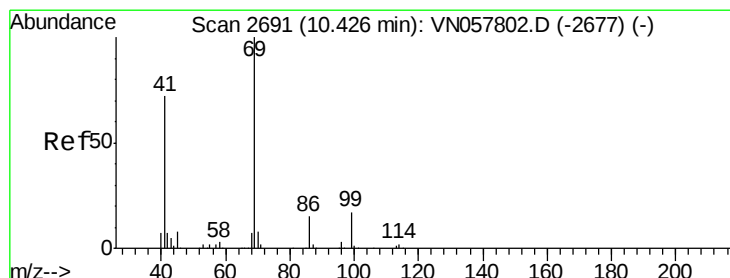
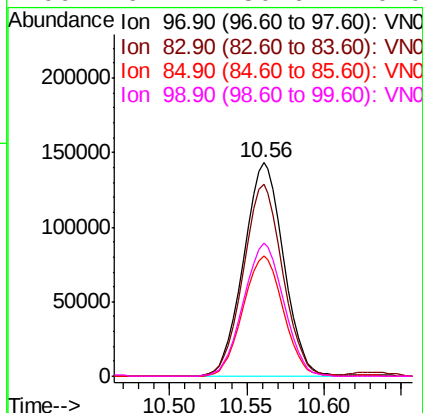
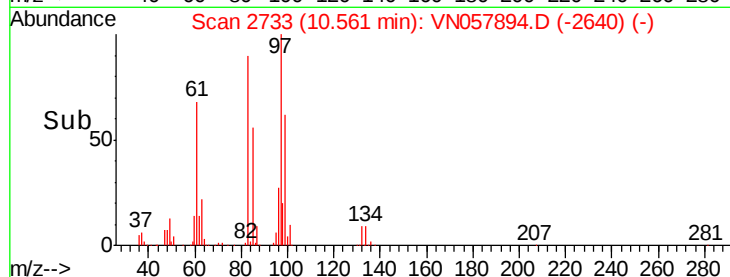
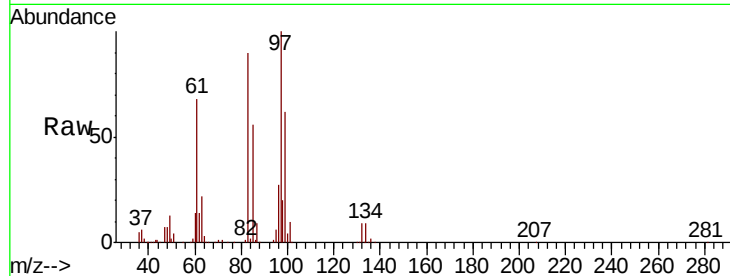
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	258596
Ion	Ratio	Lower	Upper
97	100		
83	90.1	70.8	106.2
85	56.3	46.0	69.0
99	62.2	50.6	76.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.187 ug/l

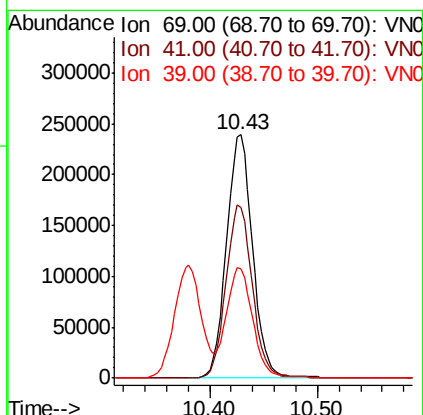
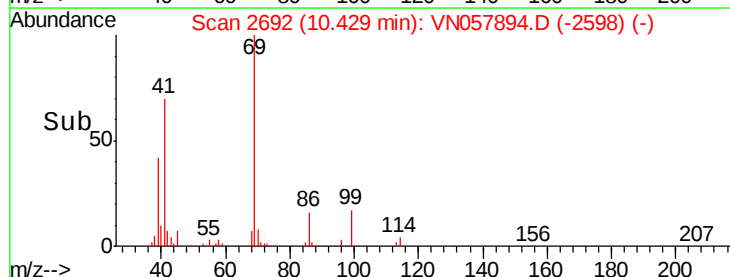
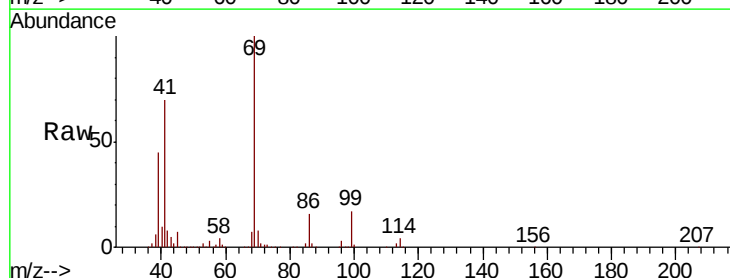
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion:	69	Resp:	404152
Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.7	85.1
39	46.0	36.3	54.5





#57

1,3-Dichloropropane

Concen: 49.281 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 445292

Ion Ratio Lower Upper

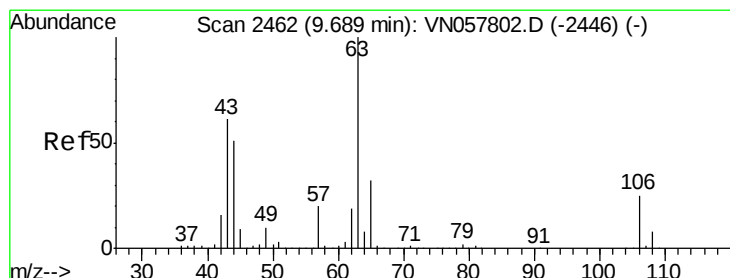
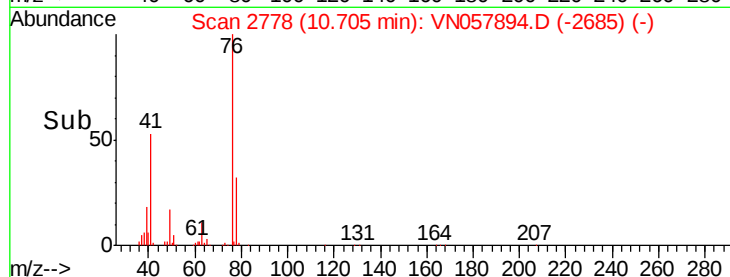
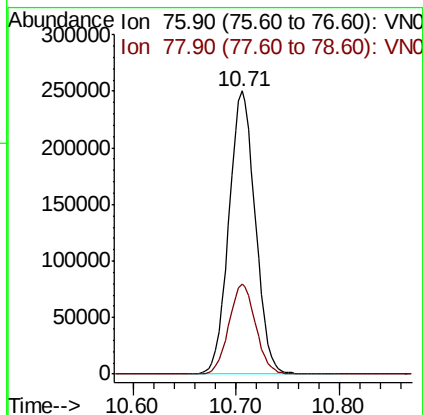
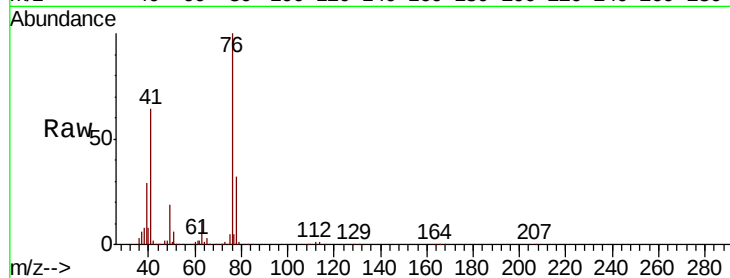
76 100

78 32.2 25.4 38.2

Manual Integrations
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9/13/2019 7:06:26 AM



#58

2-Chloroethyl Vinyl ether

Concen: 259.588 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057894.D

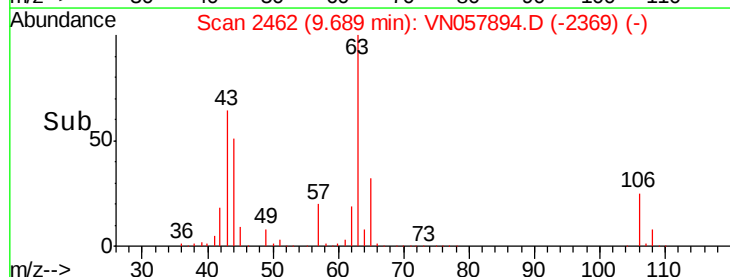
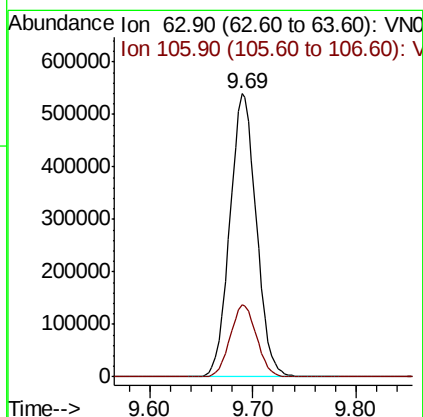
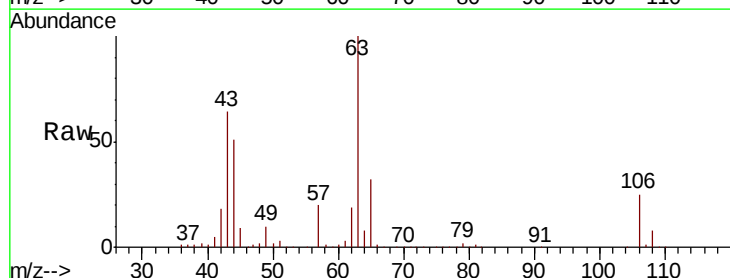
Acq: 11 Sep 2019 3:20

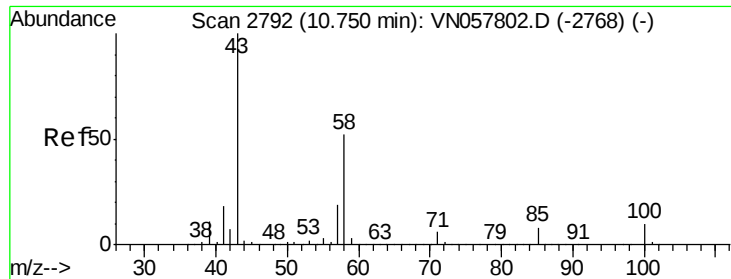
Tgt Ion: 63 Resp: 965348

Ion Ratio Lower Upper

63 100

106 25.4 20.0 30.0





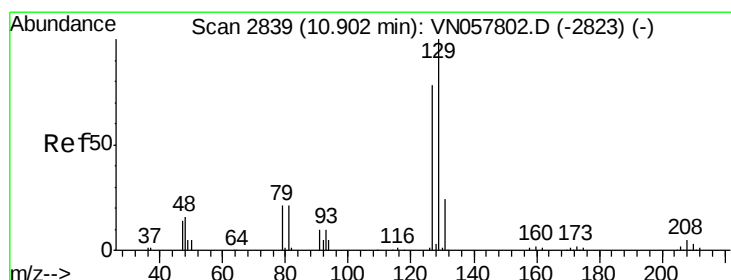
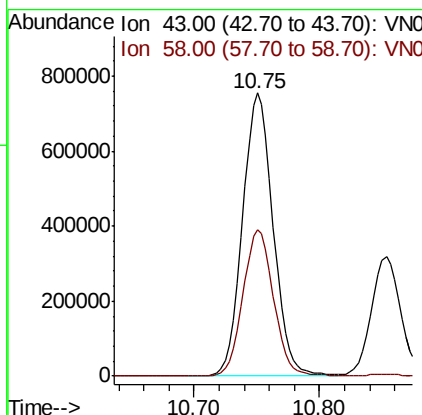
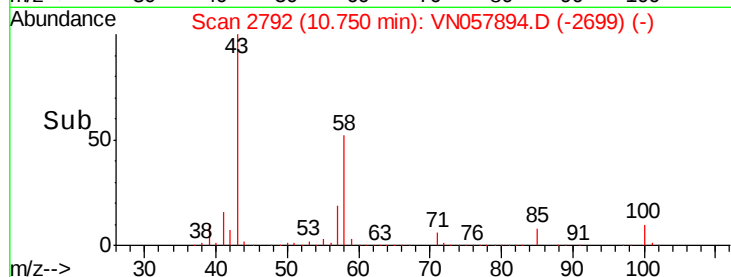
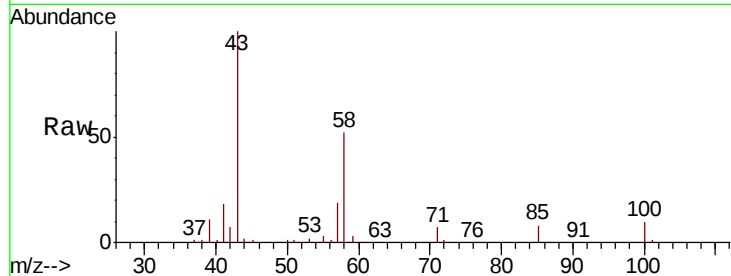
#59
2-Hexanone
Concen: 253.745 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1276500
Ion Ratio Lower Upper
43 100
58 52.1 25.6 76.8

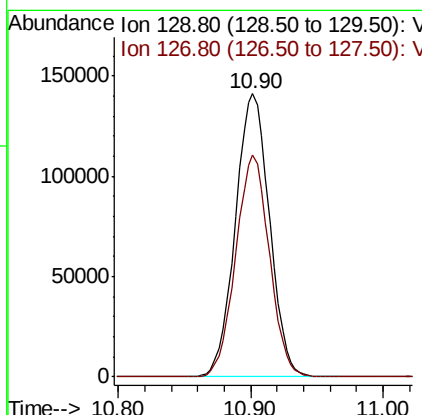
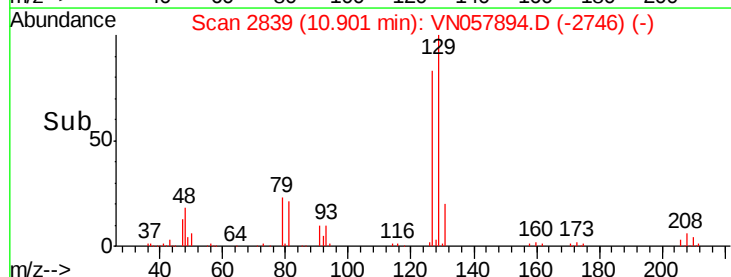
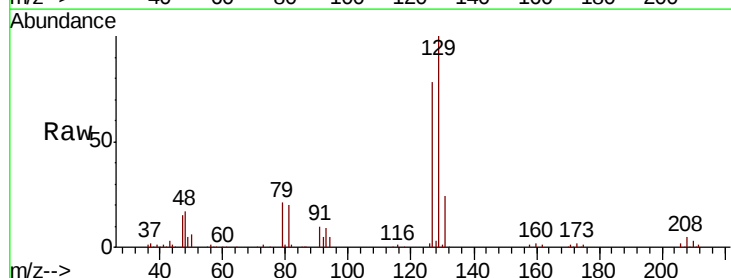
Manual Integrations
APPROVED

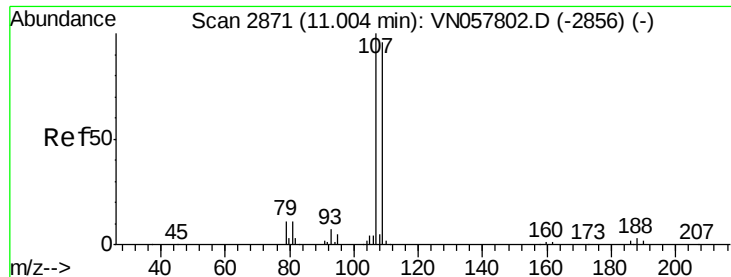
MMDadoda
9/13/2019 7:06:26 AM



#60
Dibromochloromethane
Concen: 51.821 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion: 129 Resp: 252305
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





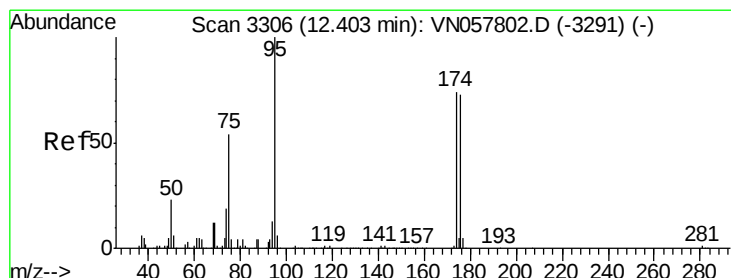
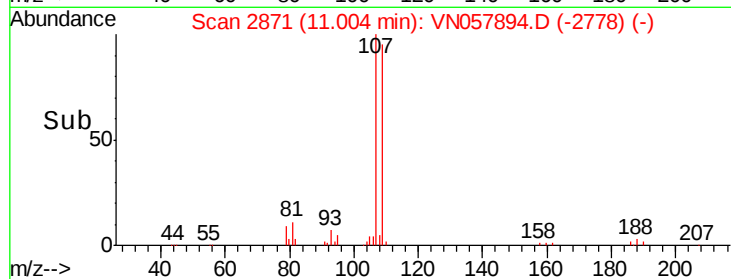
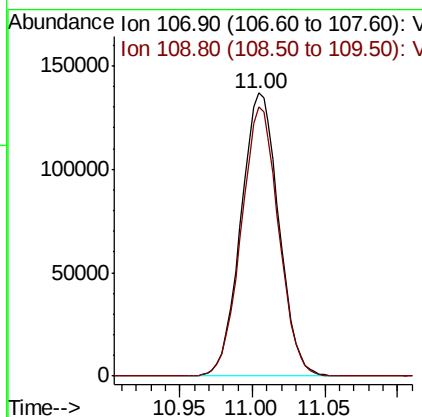
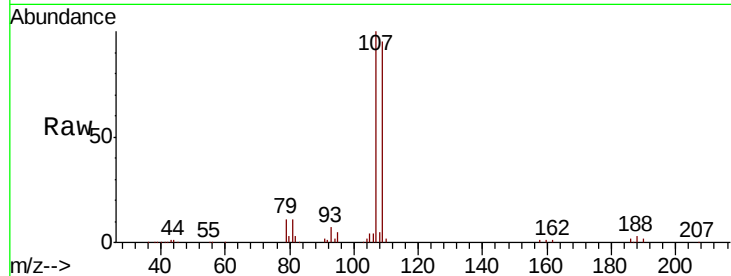
#61
 1,2-Dibromoethane
 Concen: 50.128 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

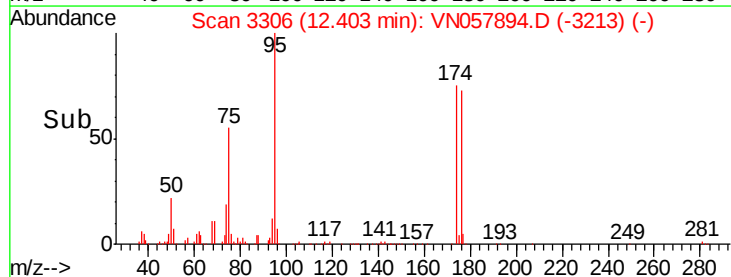
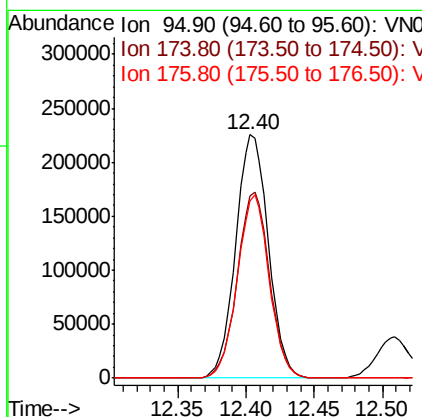
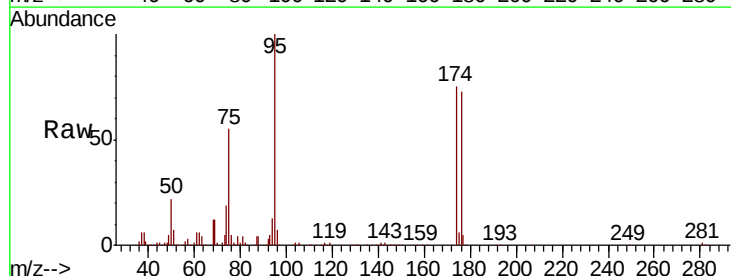
Manual Integrations
 APPROVED

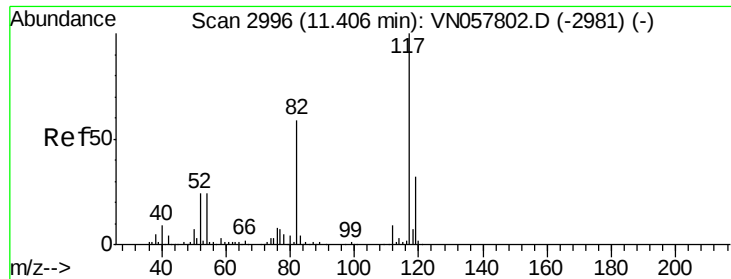
MMDadoda
 9/13/2019 7:06:26 AM



#62
 4-Bromofluorobenzene
 Concen: 48.874 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.2
176	73.1	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: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

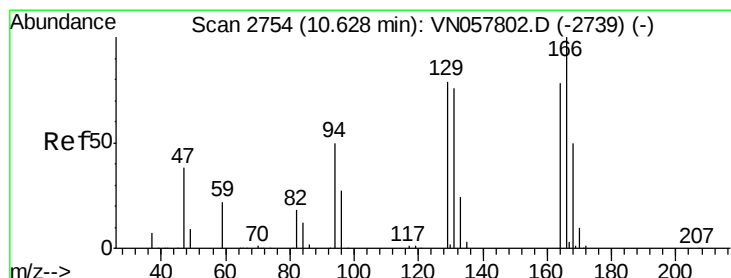
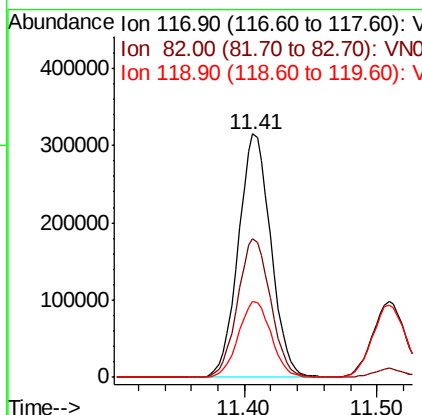
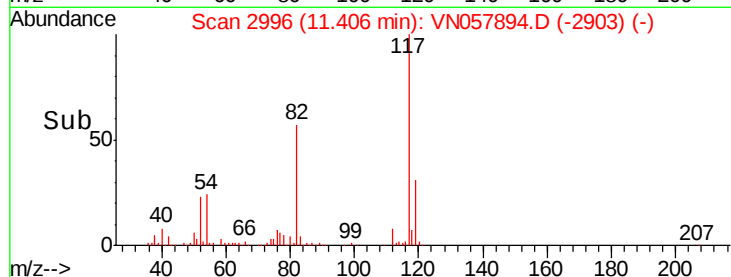
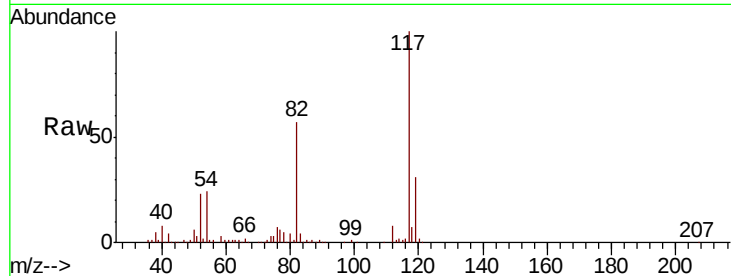
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	536543
Ion Ratio	Lower	Upper	
117	100		
82	57.2	47.2	70.8
119	31.0	25.3	37.9

Manual Integrations
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MMDadoda
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#64

Tetrachloroethene

Concen: 48.027 ug/l

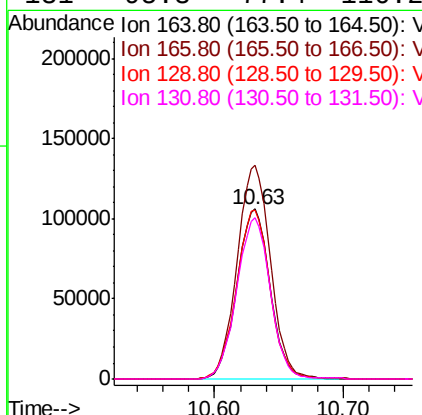
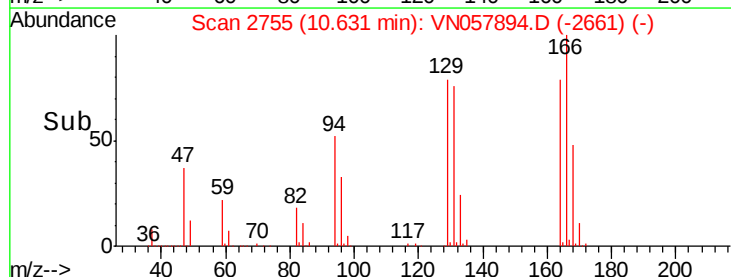
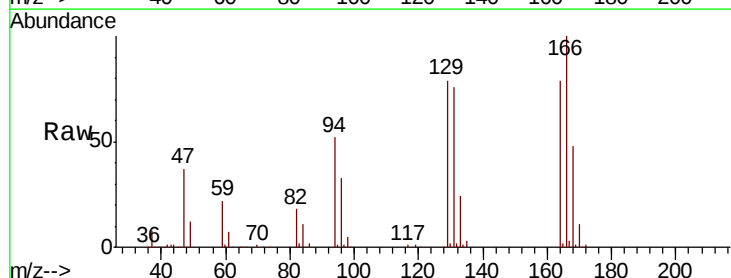
RT: 10.63 min Scan# 2755

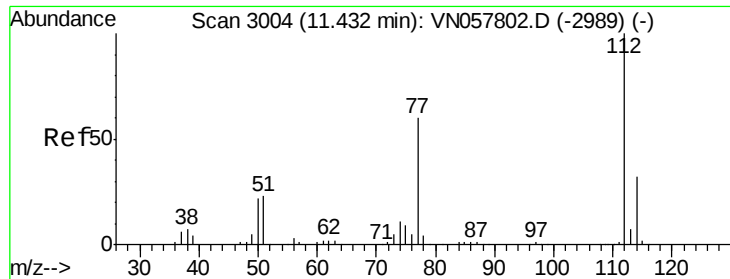
Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion:	164	Resp:	190264
Ion Ratio	Lower	Upper	
164	100		
166	125.8	102.2	153.2
129	99.6	80.8	121.2
131	95.3	77.4	116.2





#65

Chlorobenzene

Concen: 48.924 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 686980

Ion Ratio Lower Upper

112 100

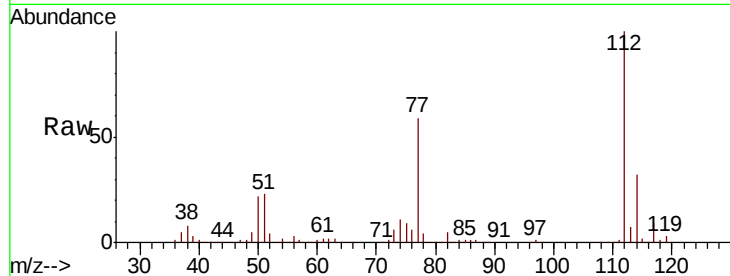
114 31.6 25.2 37.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

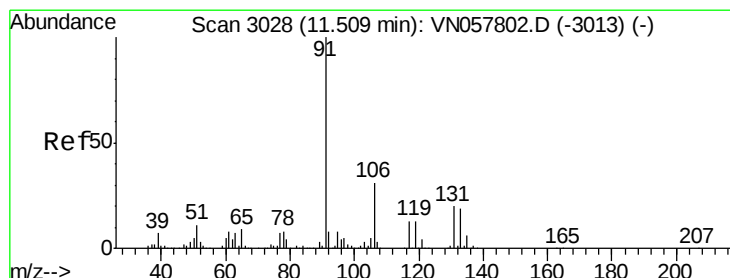
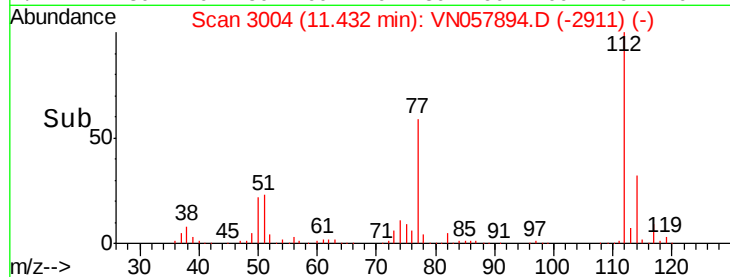
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.383 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

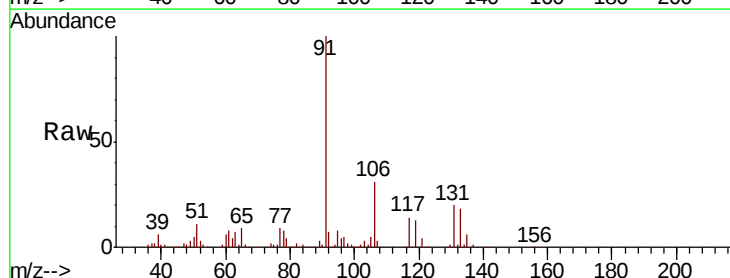
Tgt Ion:131 Resp: 250358

Ion Ratio Lower Upper

131 100

133 93.4 47.1 141.3

119 65.5 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

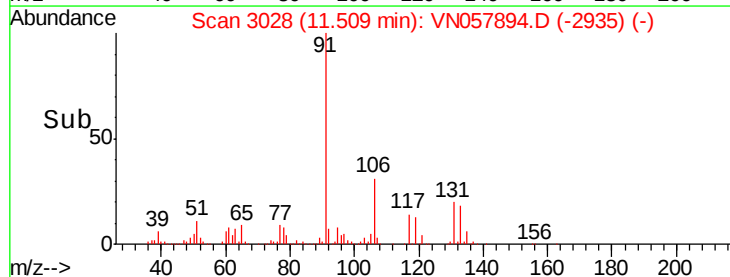
150000

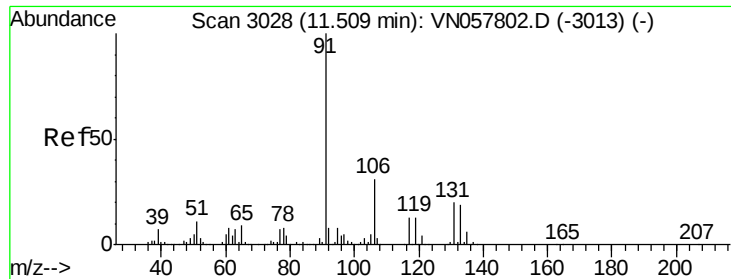
100000

50000

0

Time-->





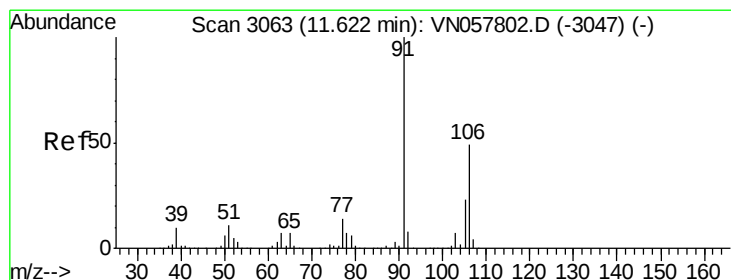
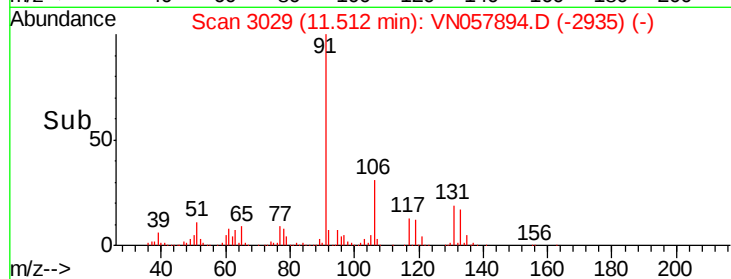
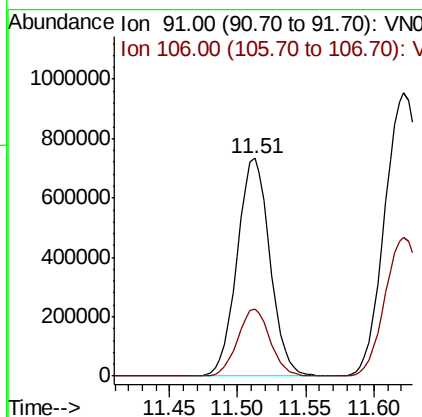
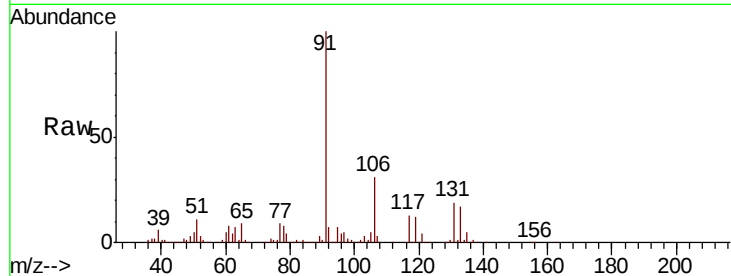
#67
Ethyl Benzene
Concen: 49.776 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1224923
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6

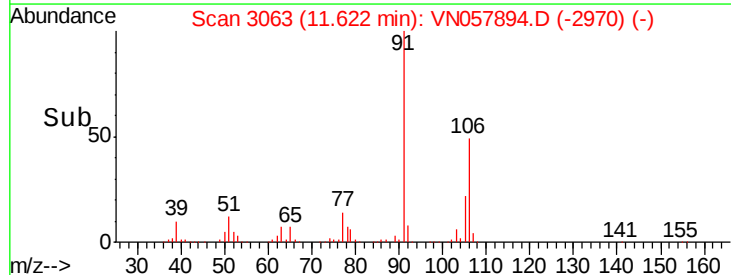
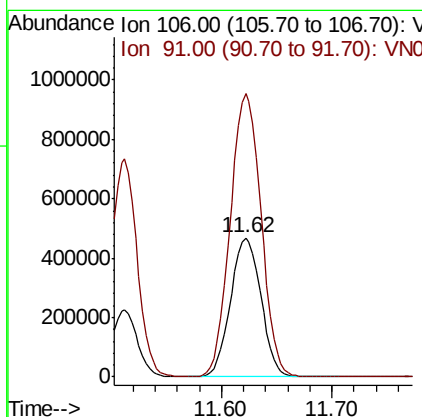
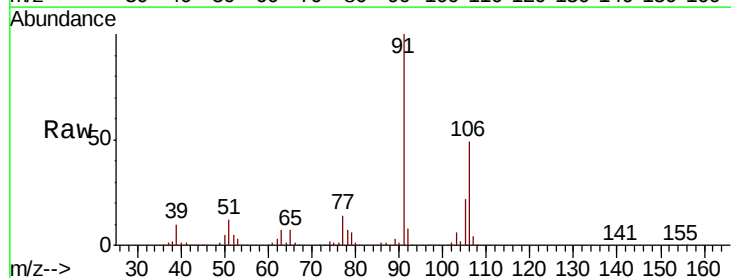
Manual Integrations
APPROVED

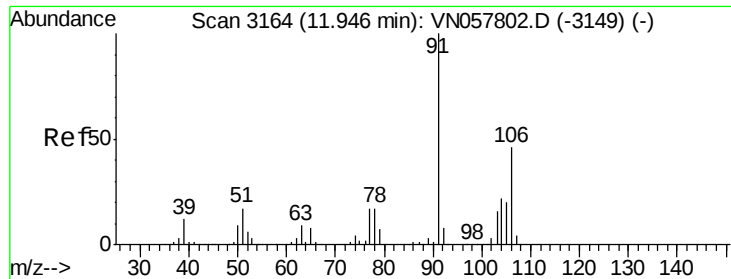
MMDadoda
9/13/2019 7:06:26 AM



#68
m/p-Xylenes
Concen: 99.673 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion: 106 Resp: 898464
Ion Ratio Lower Upper
106 100
91 205.8 165.8 248.6





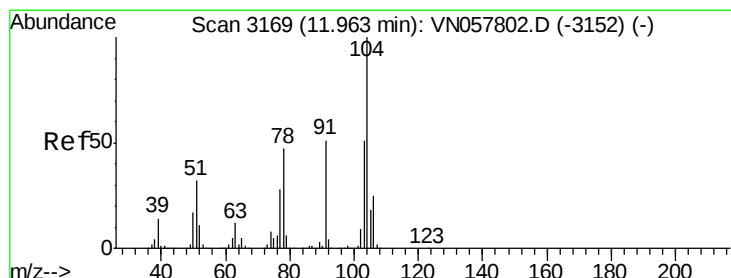
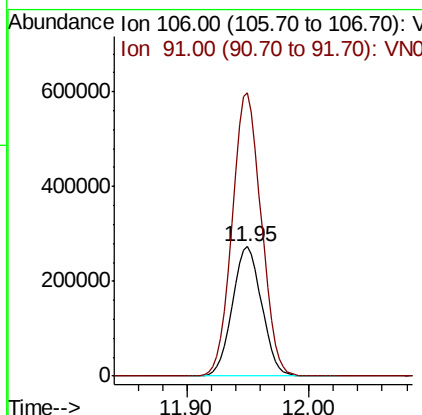
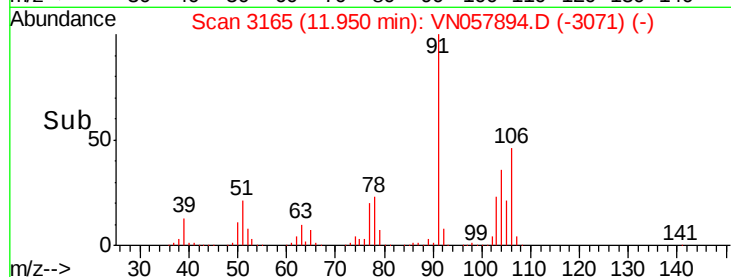
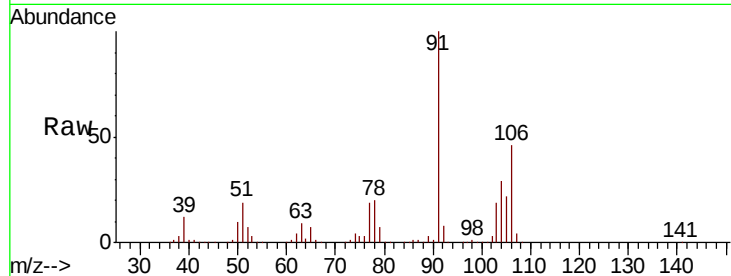
#69
o-Xylene
Concen: 51.035 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 457344
Ion Ratio Lower Upper
106 100
91 216.6 108.7 326.1

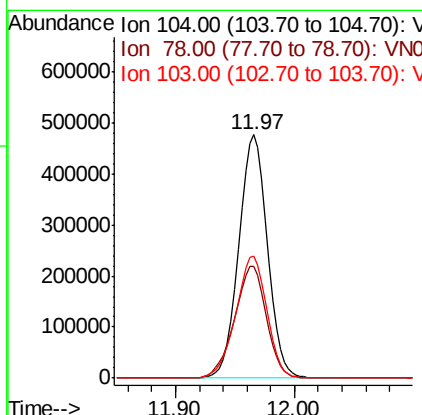
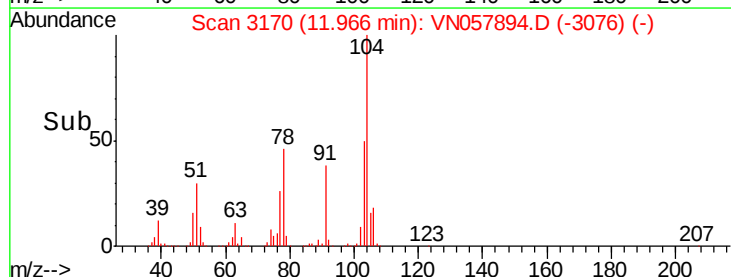
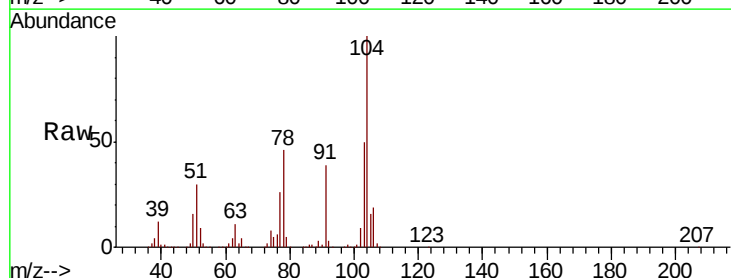
Manual Integrations
APPROVED

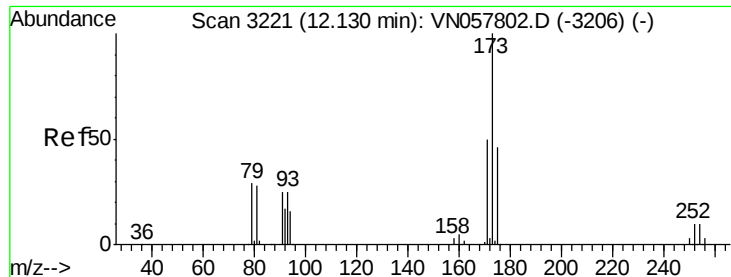
MMDadoda
9/13/2019 7:06:26 AM



#70
Styrene
Concen: 51.606 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion:104 Resp: 795896
Ion Ratio Lower Upper
104 100
78 51.2 41.3 61.9
103 54.4 43.7 65.5





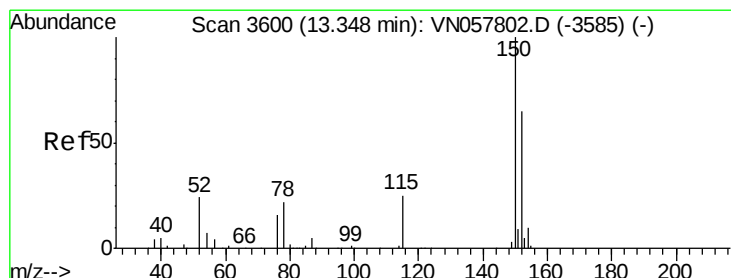
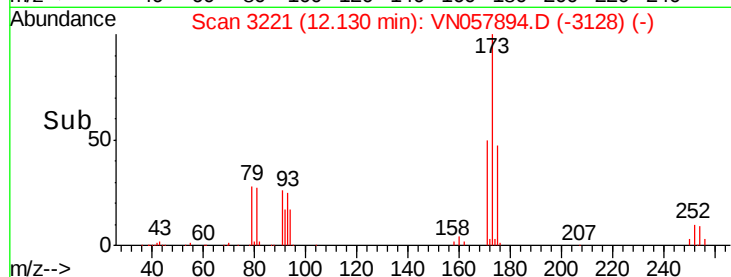
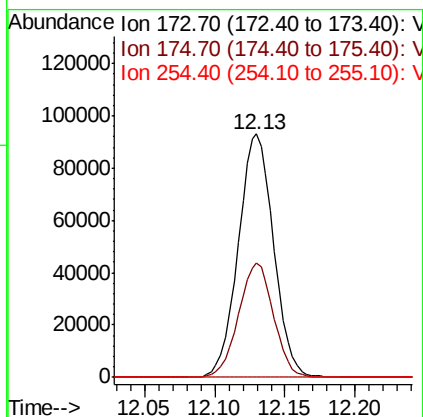
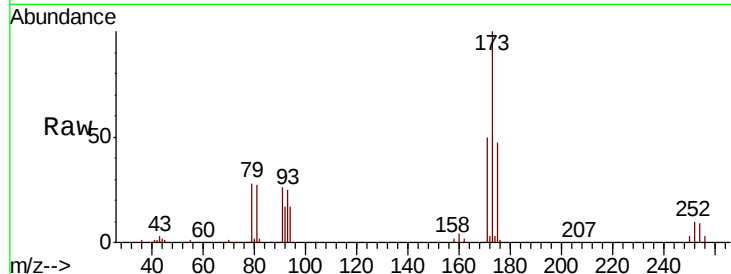
#71
Bromoform
Concen: 53.628 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	23.5	70.6
254	0.0	0.1	0.1#

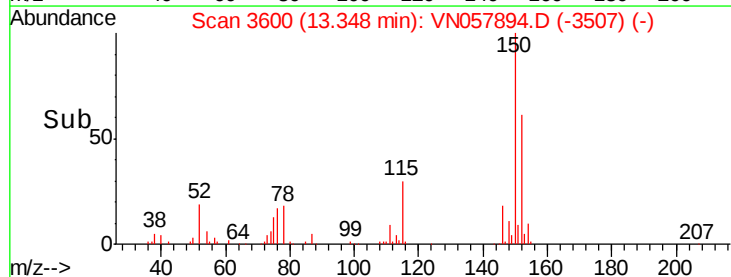
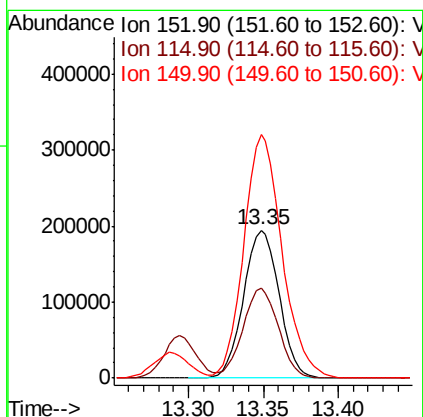
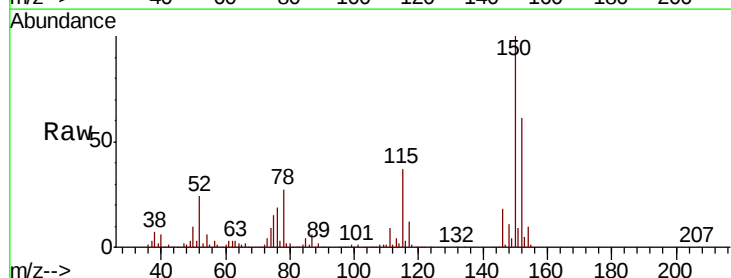
Manual Integrations
APPROVED

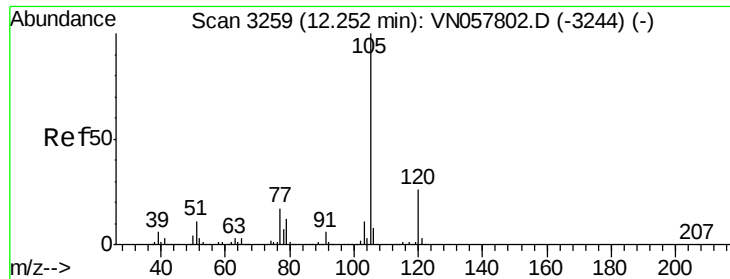
MMDadoda
9/13/2019 7:06:26 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.3	91.0
150	176.6	0.0	352.4





#73

Isopropylbenzene

Concen: 50.027 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1249811

Ion Ratio Lower Upper

105 100

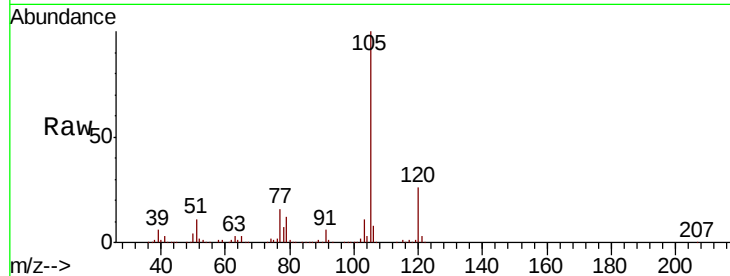
120 25.9 12.8 38.4

Manual Integrations

APPROVED

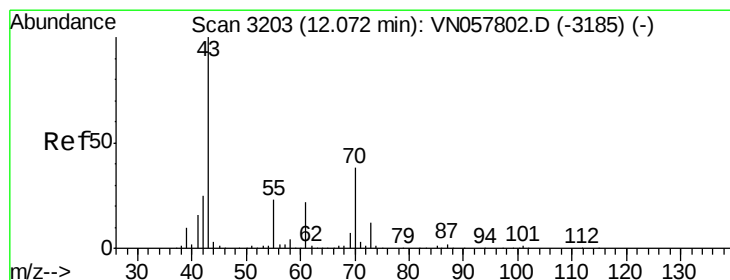
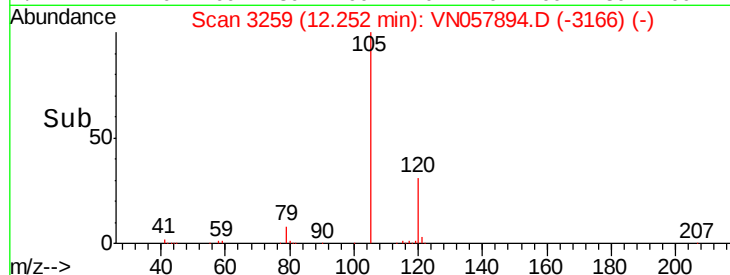
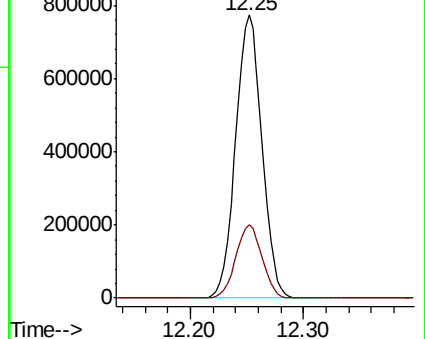
MMDadoda

9/13/2019 7:06:26 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: 51.174 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion: 43 Resp: 556389

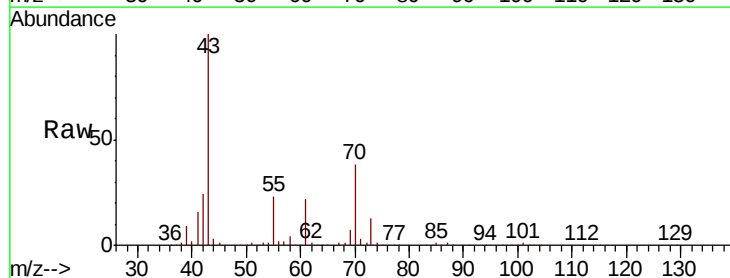
Ion Ratio Lower Upper

43 100

70 38.9 30.6 45.8

55 23.0 18.6 27.8

61 22.4 17.4 26.2

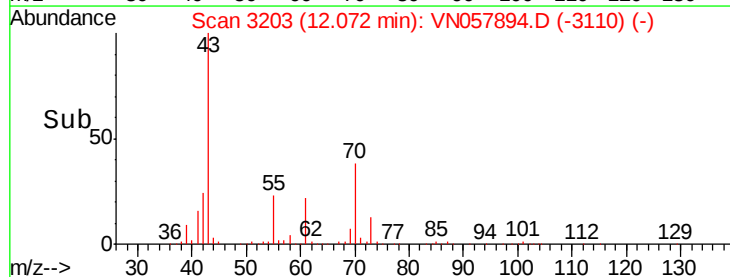
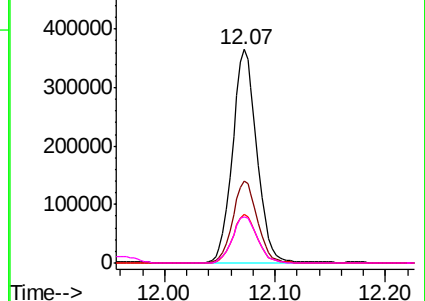


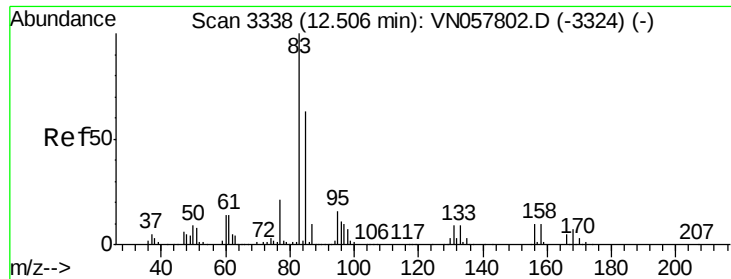
Abundance Ion 43.00 (42.70 to 43.70): V

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: 47.980 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

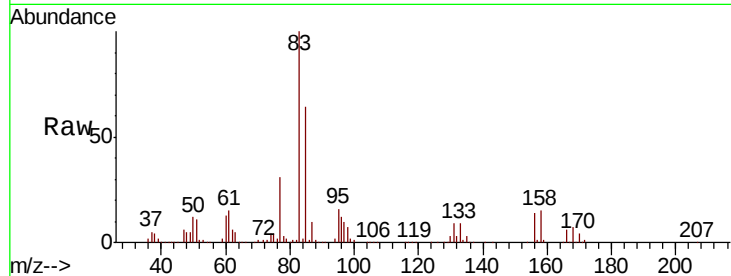
ClientSampleId :

VSTDCCC050

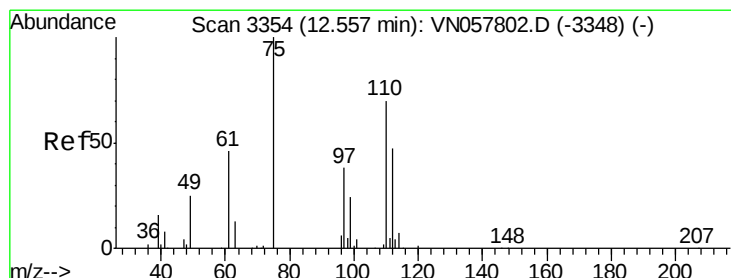
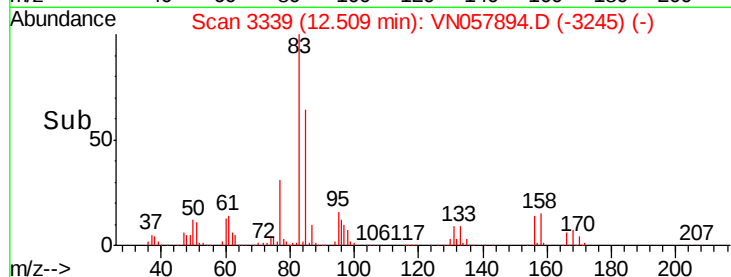
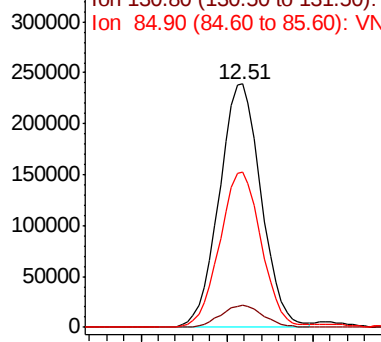
Tot Ion:	83	Resp:	403588
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.2	31.6	94.7

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Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 45.957 ug/l m

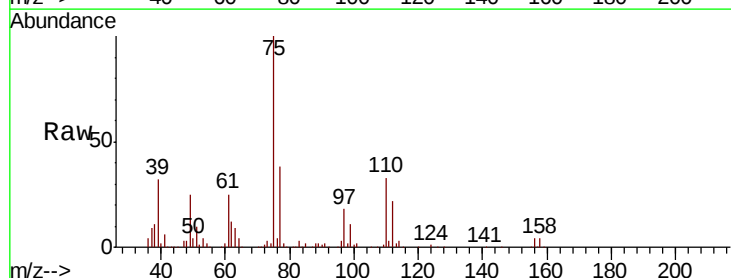
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

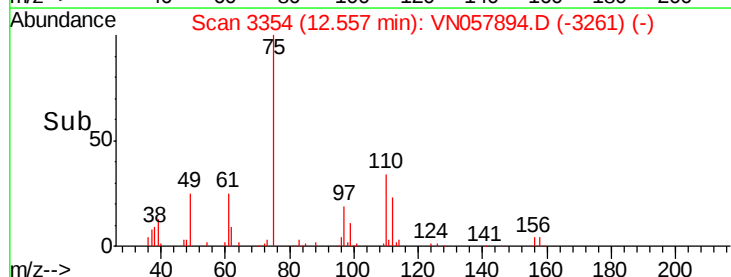
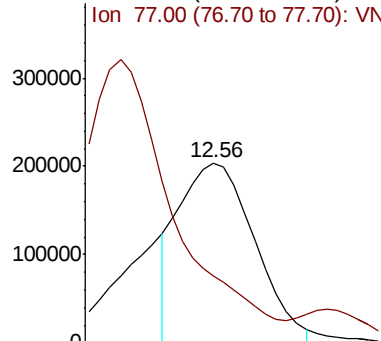
Lab File: VN057894.D

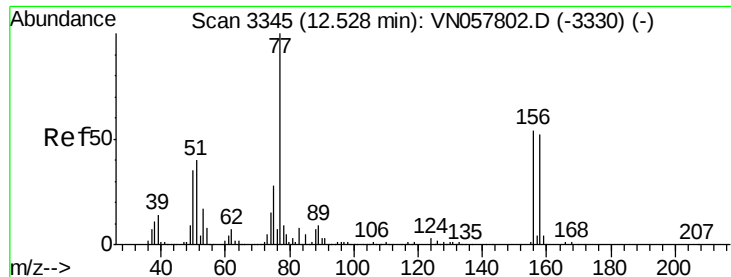
Acq: 11 Sep 2019 3:20

Tgt Ion:	75	Resp:	334710
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3348) (-)





#77

Bromobenzene

Concen: 46.942 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

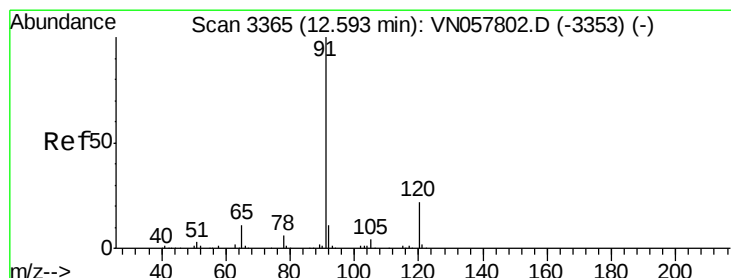
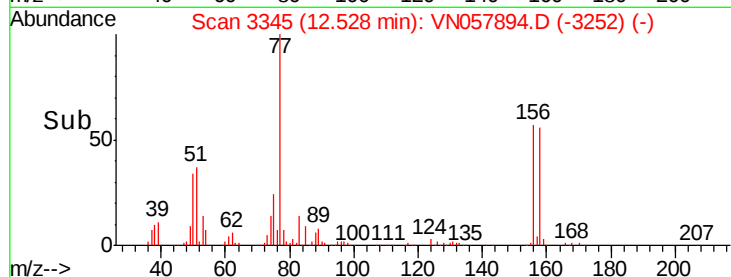
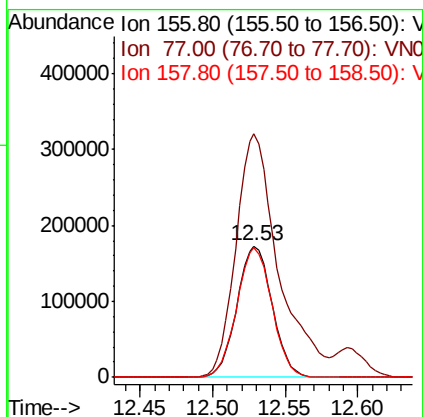
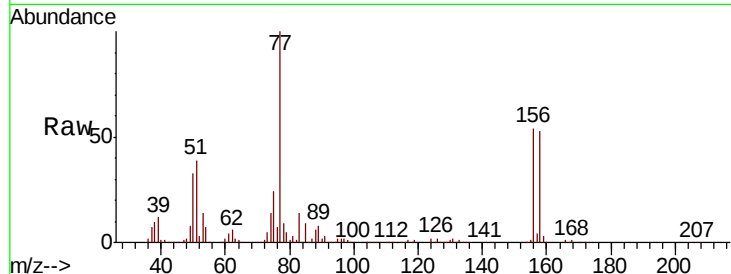
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.0	113.7	341.1
158	98.5	48.5	145.6

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#78

n-propylbenzene

Concen: 50.615 ug/l

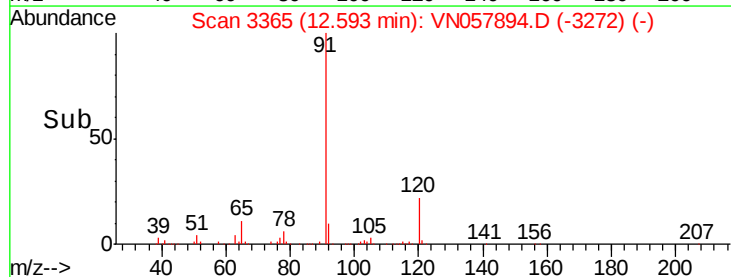
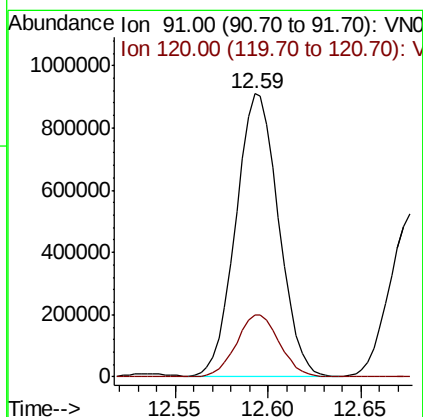
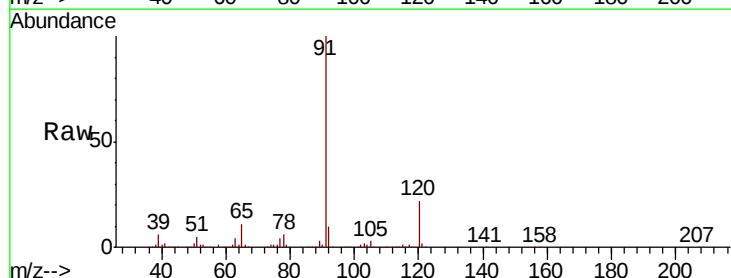
RT: 12.59 min Scan# 3365

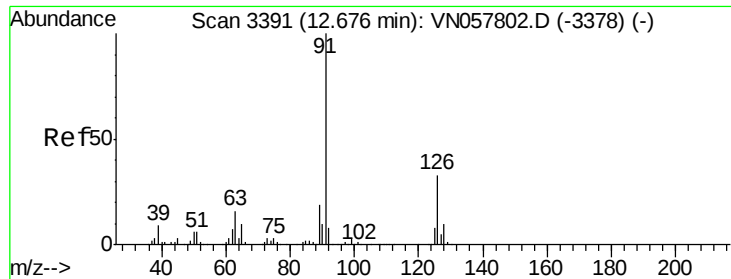
Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





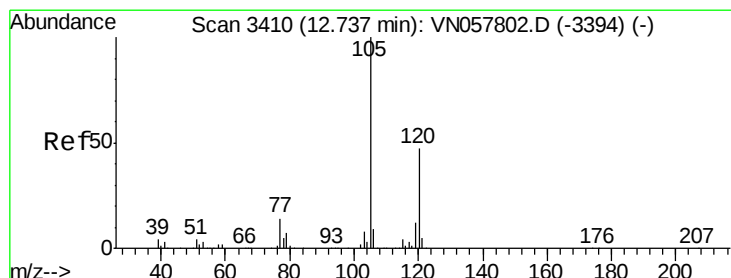
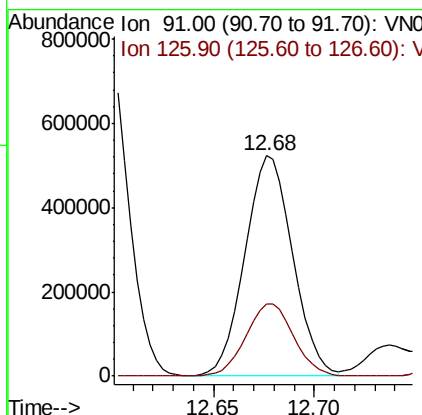
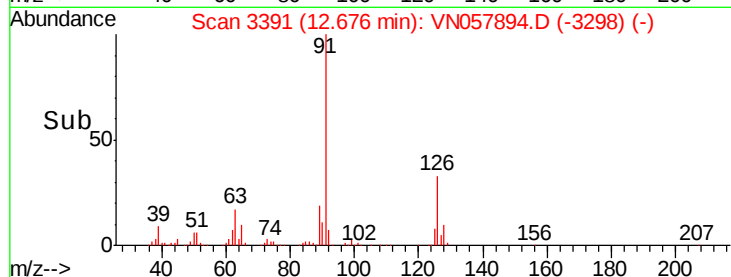
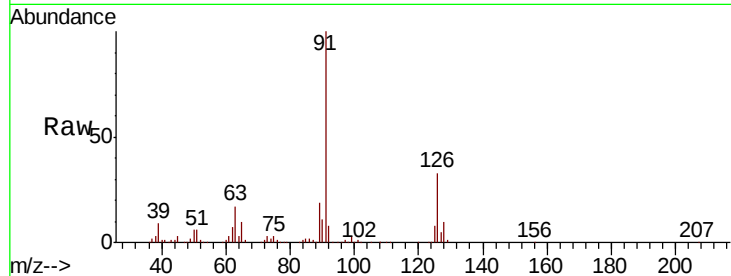
#79
 2-Chlorotoluene
 Concen: 47.587 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2

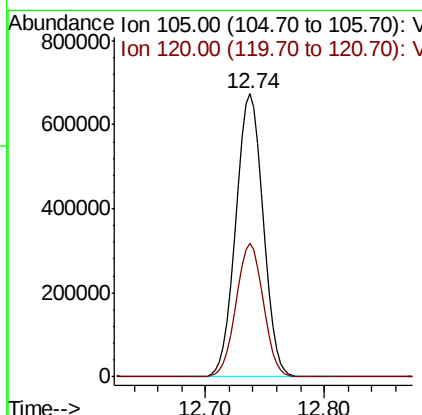
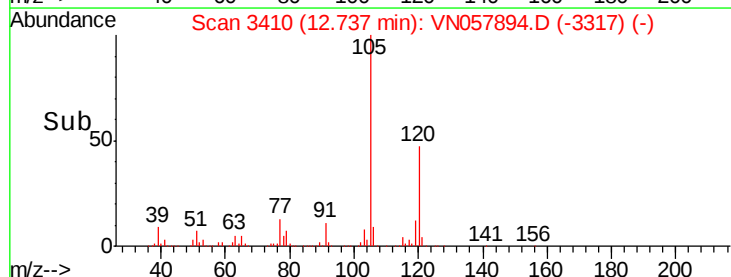
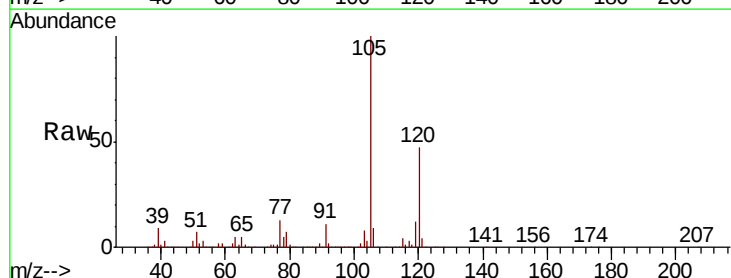
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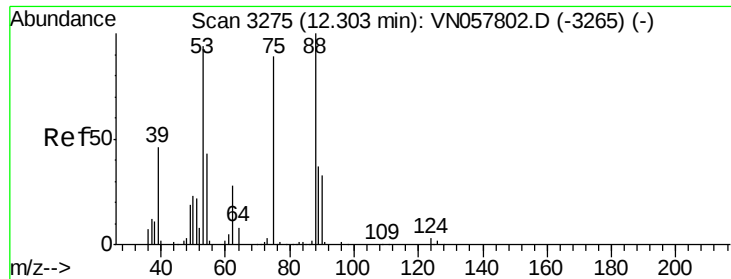
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.795 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.7	71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 45.012 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

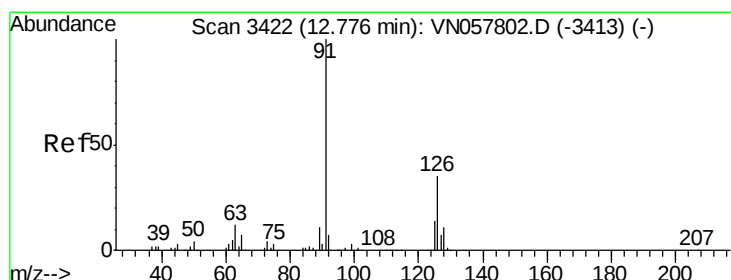
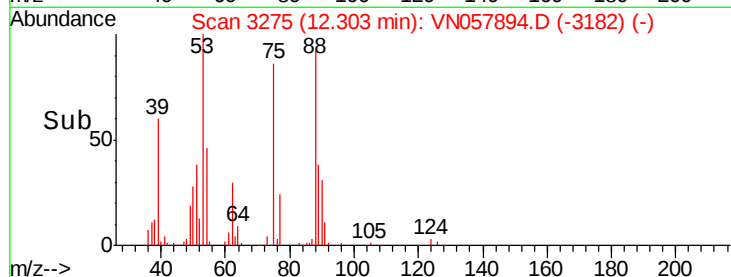
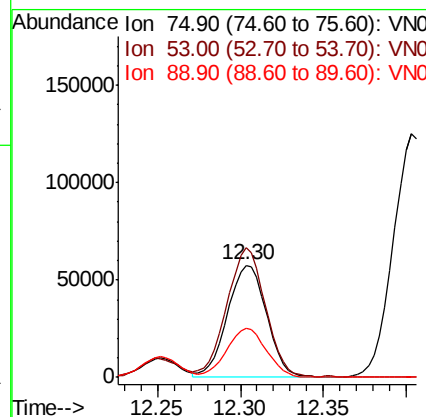
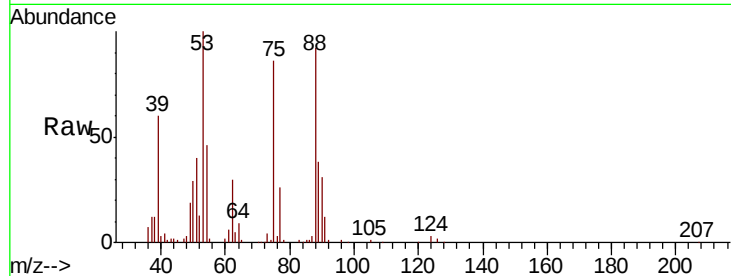
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	93159
Ion Ratio	Lower	Upper	
75	100		
53	114.2	88.4	132.6
89	44.9	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.195 ug/l

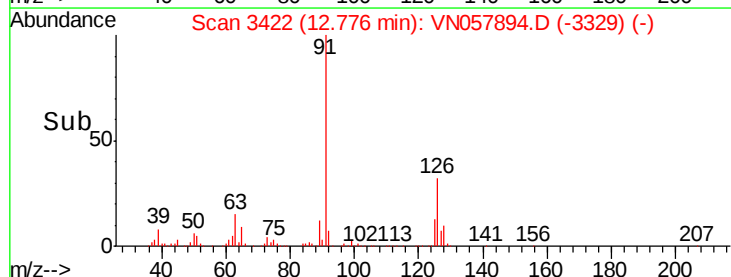
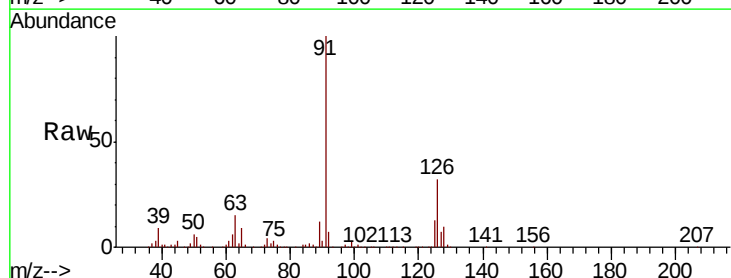
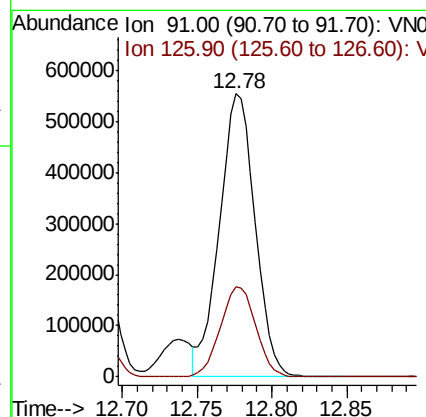
RT: 12.78 min Scan# 3422

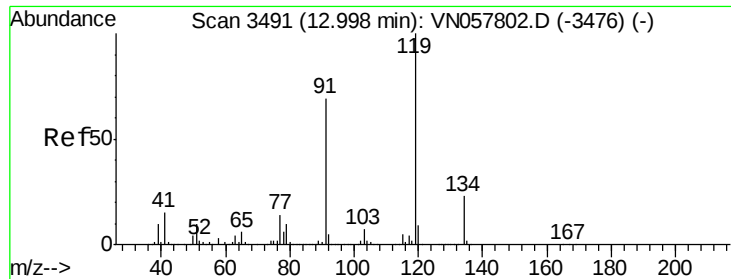
Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion:	91	Resp:	916011
Ion Ratio	Lower	Upper	
91	100		
126	31.8	16.0	48.0





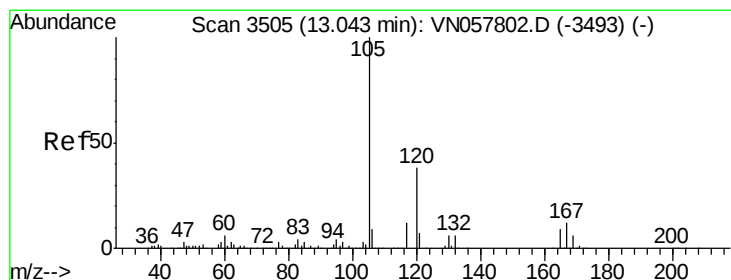
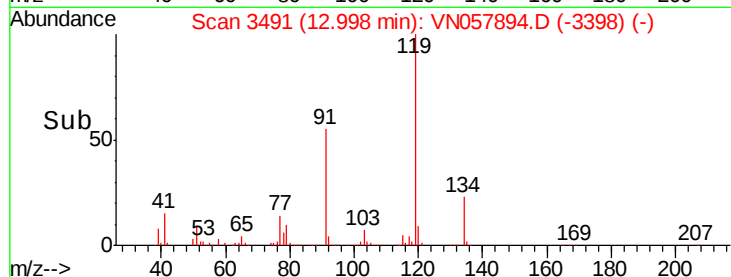
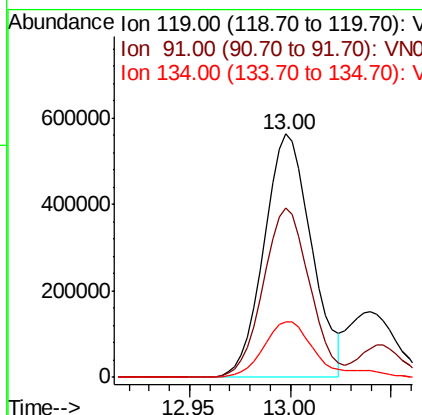
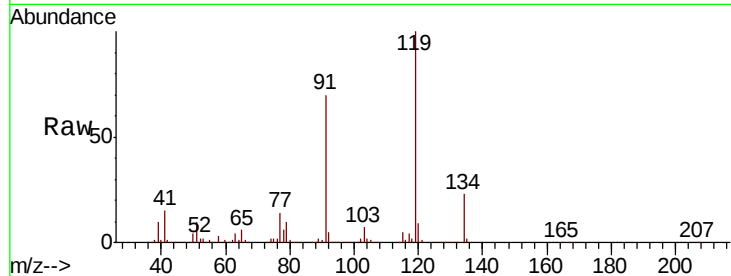
#83
 tert-Butylbenzene
 Concen: 49.055 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.6	100.8
134	25.7	11.7	35.0

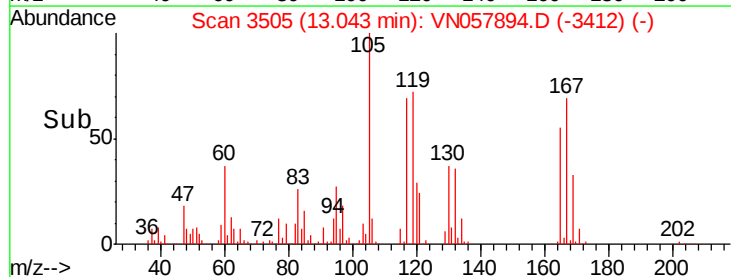
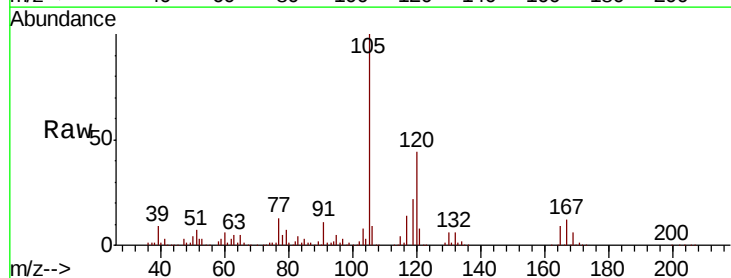
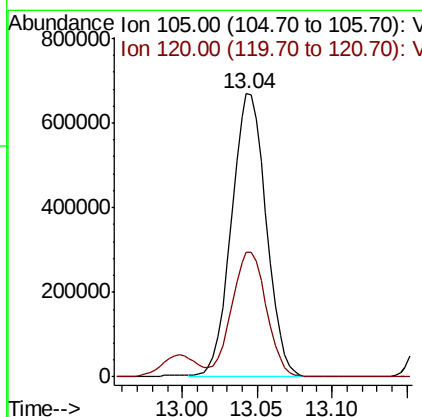
Manual Integrations
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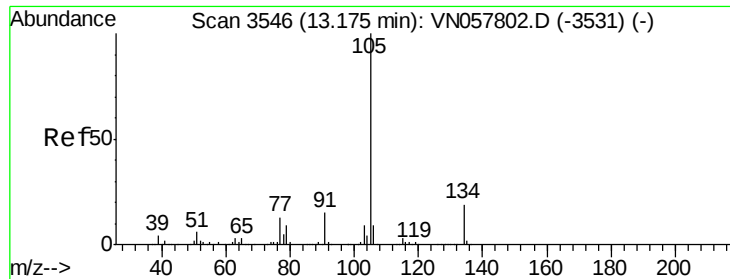
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.261 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.2





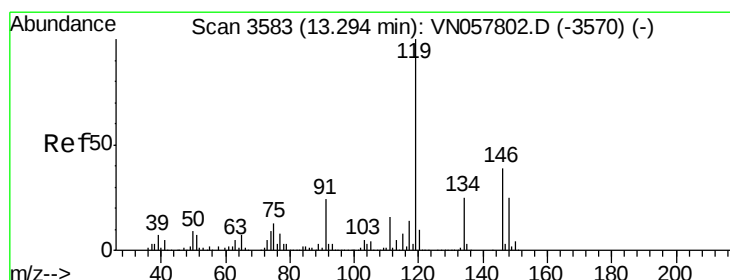
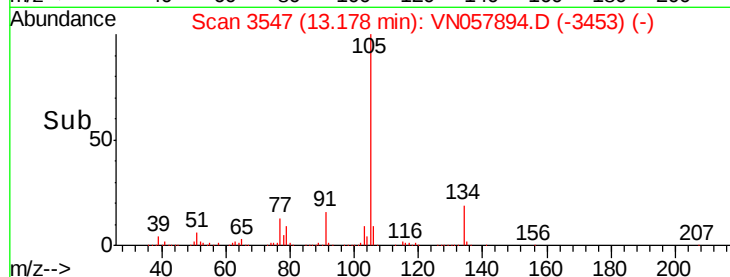
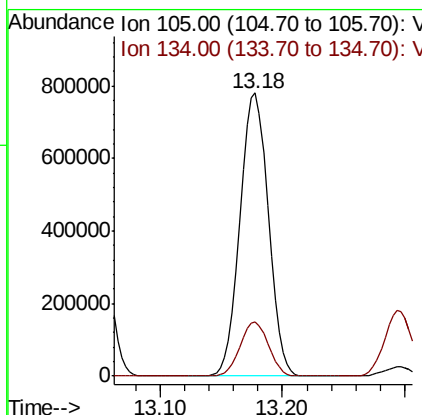
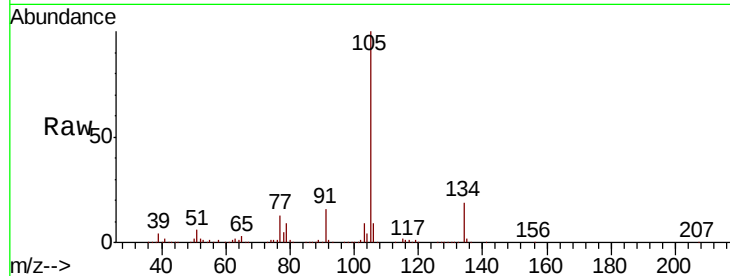
#85
 sec-Butylbenzene
 Concen: 50.187 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1248151
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.6

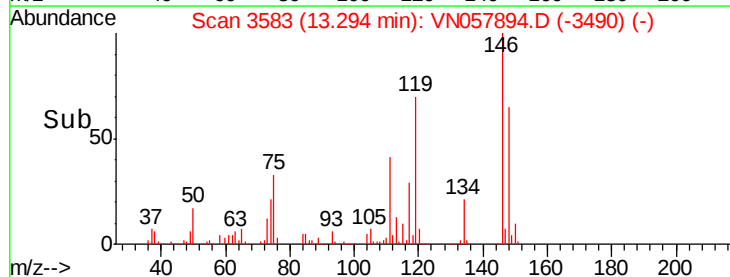
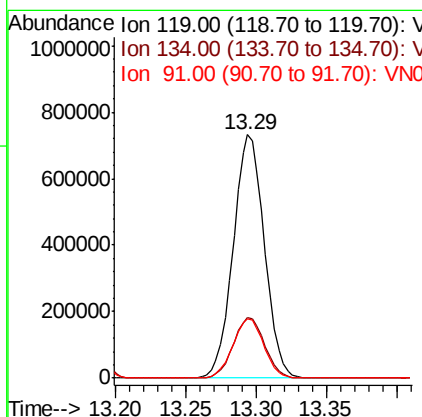
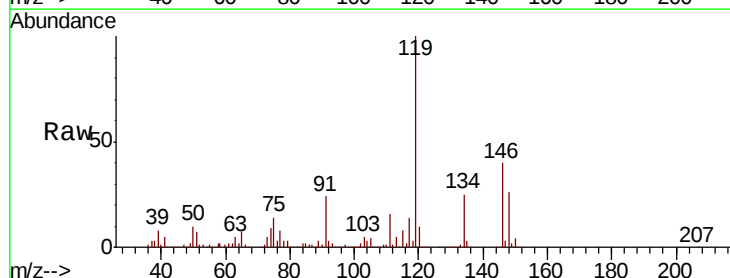
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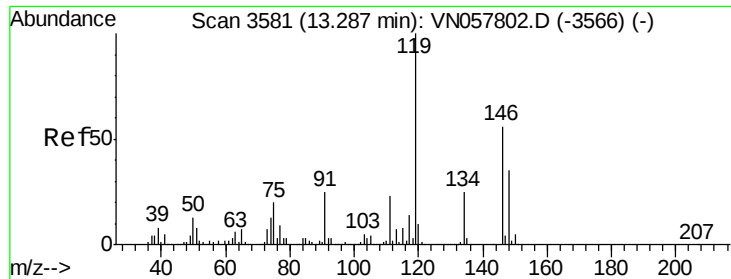
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#86
 p-Isopropyltoluene
 Concen: 51.343 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion:119 Resp: 1125081
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 24.3 12.3 36.8





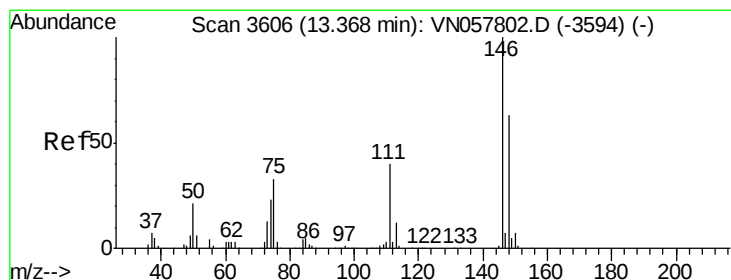
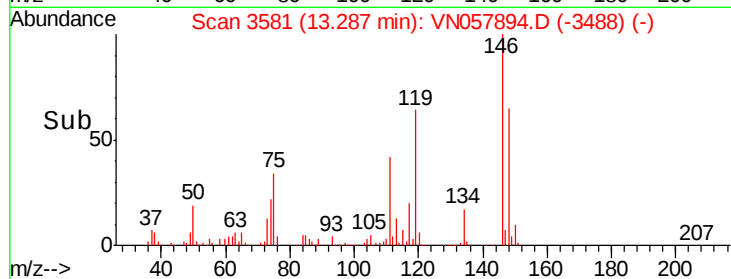
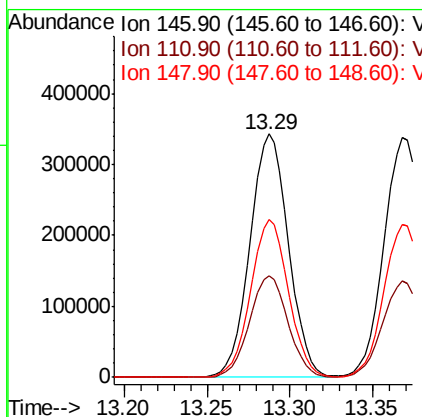
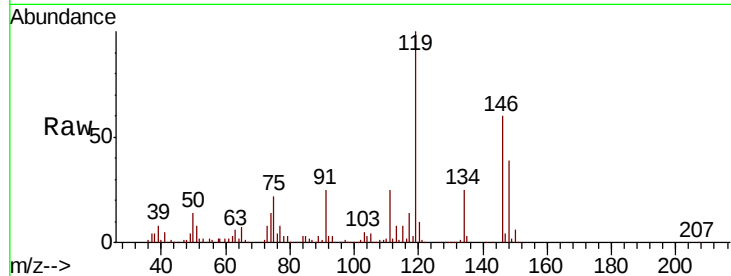
#87
 1,3-Dichlorobenzene
 Concen: 48.582 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	555425		
111	41.7	20.5	61.6	
148	63.7	31.5	94.5	

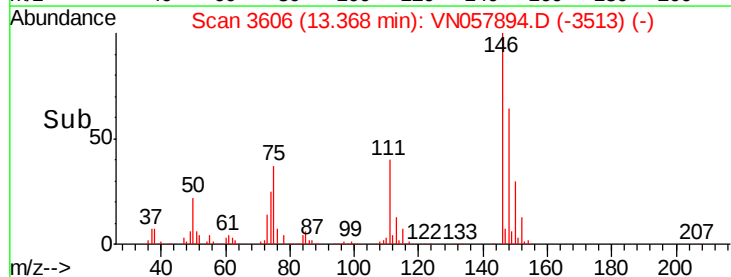
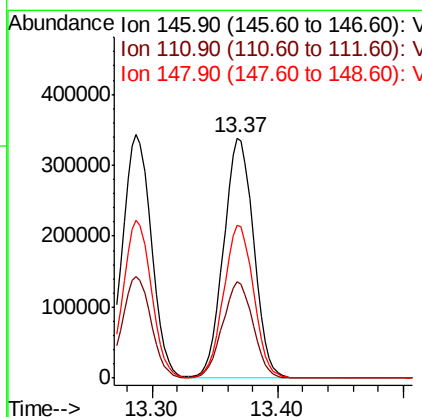
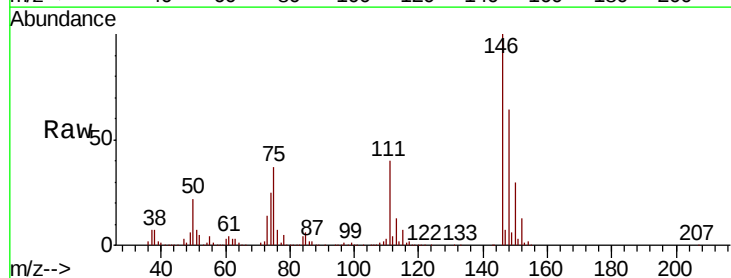
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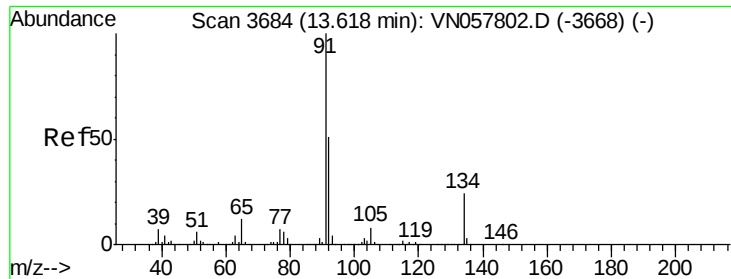
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#88
 1,4-Dichlorobenzene
 Concen: 48.278 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	560263		
111	40.7	20.4	61.2	
148	64.0	31.8	95.4	





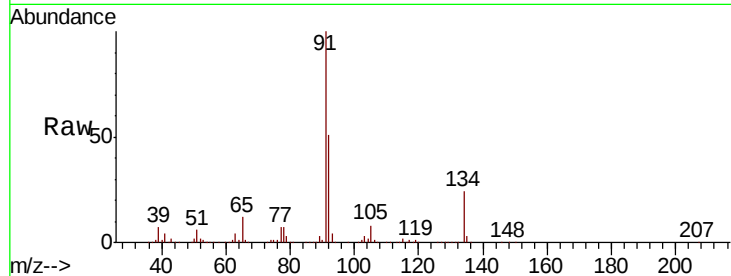
#89
n-Butylbenzene
Concen: 49.607 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.7	77.0
134	24.0	11.9	35.7

Manual Integrations
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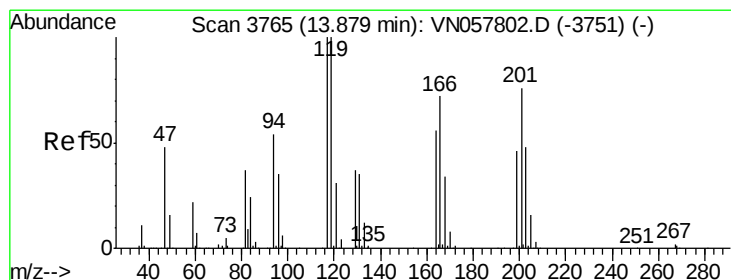
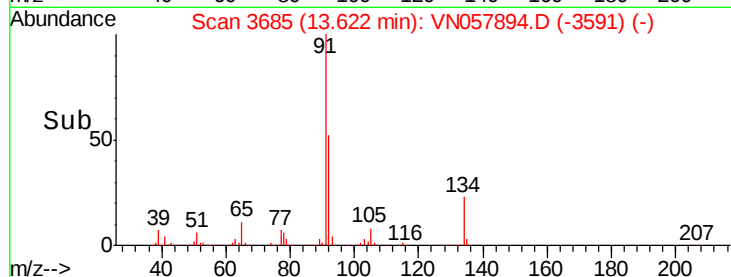
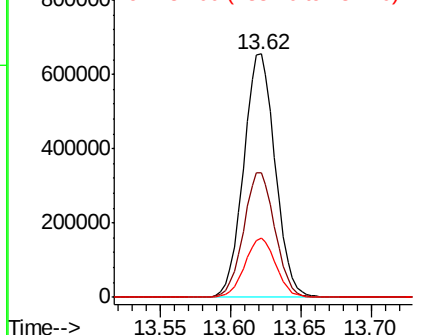


Abundance

Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

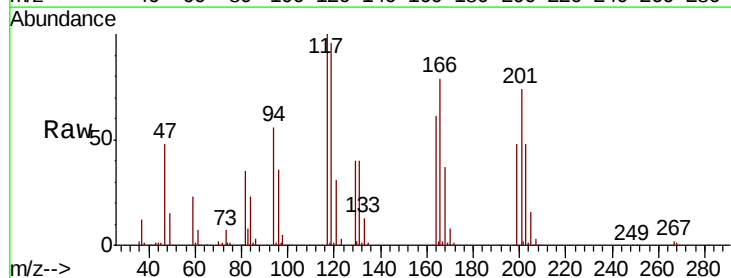
Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)



#90
Hexachloroethane
Concen: 51.475 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

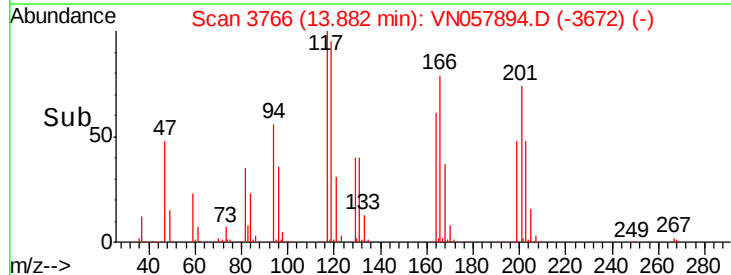
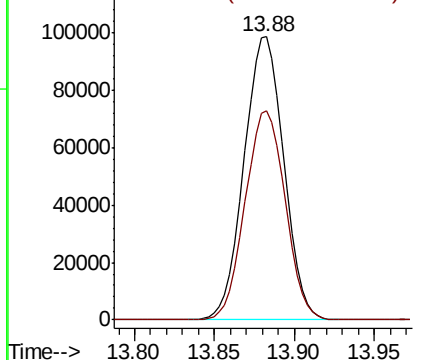
Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	37.5	112.7

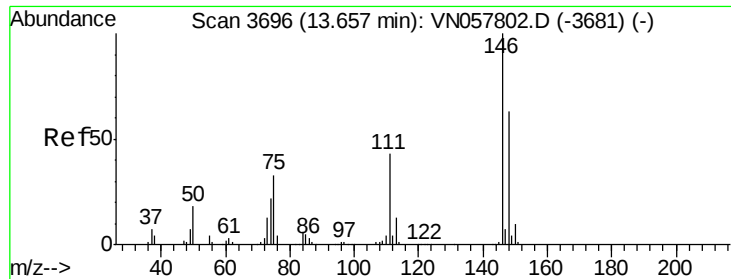


Abundance

Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 48.952 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Instrument :

MSVOA_N

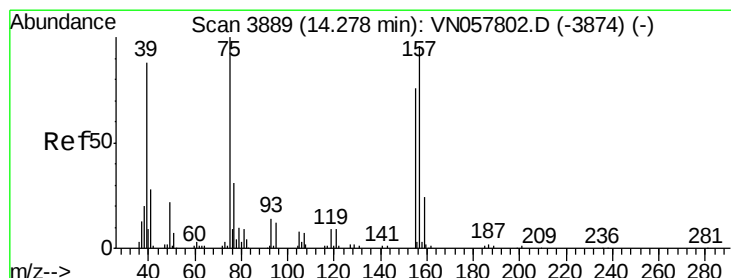
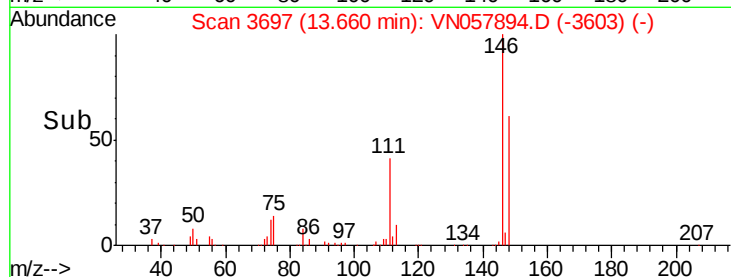
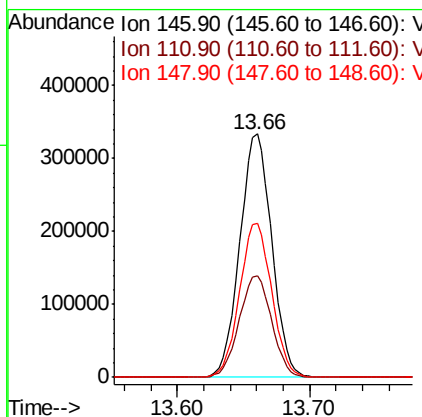
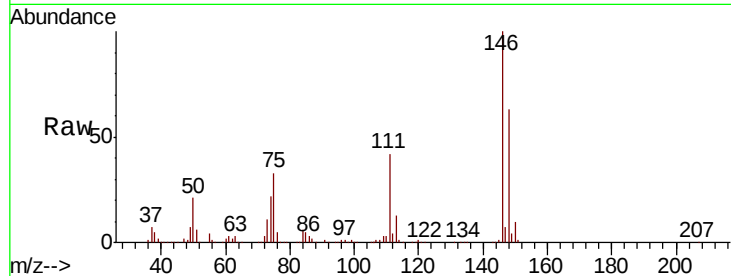
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	559121
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.3	63.9
148	63.6	31.4	94.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.342 ug/l

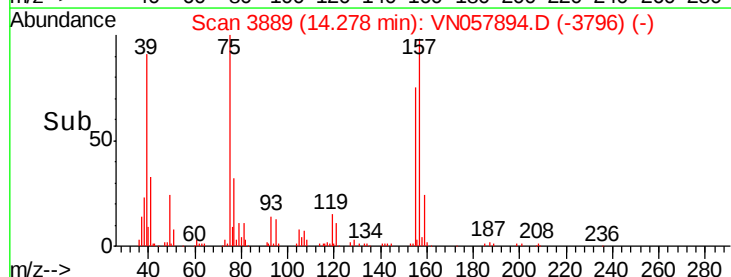
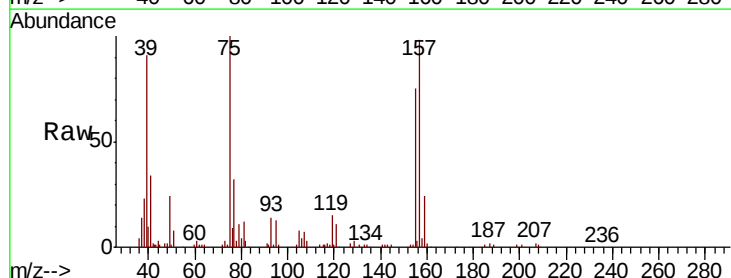
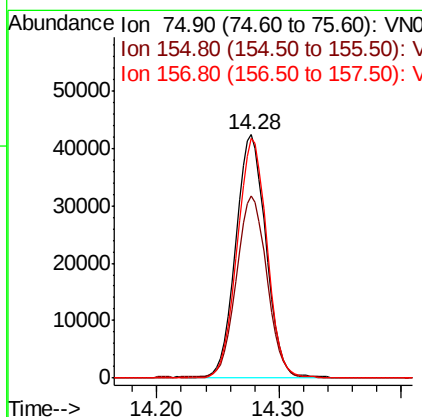
RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN057894.D

Acq: 11 Sep 2019 3:20

Tgt Ion:	75	Resp:	72710
Ion Ratio	Lower	Upper	
75	100		
155	76.4	37.3	111.8
157	96.1	47.9	143.8





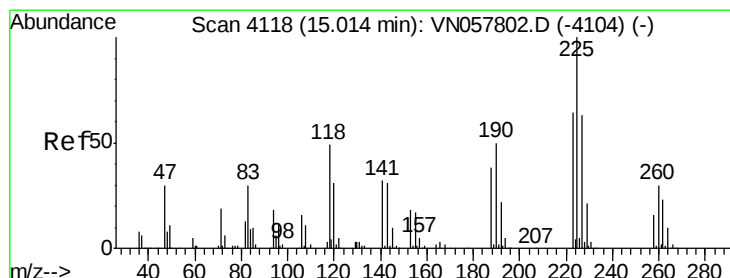
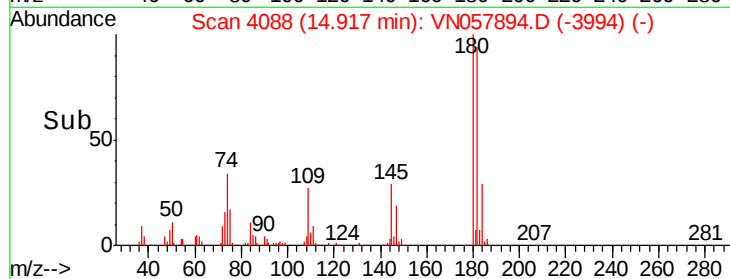
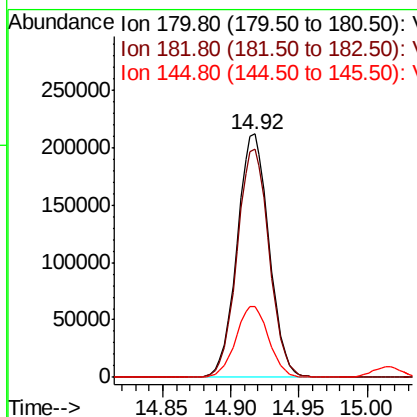
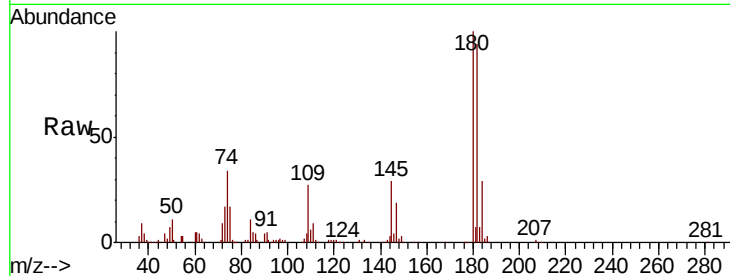
#93
 1,2,4-Trichlorobenzene
 Concen: 46.205 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	344943		
182	94.1	46.9	140.8	
145	29.9	14.9	44.7	

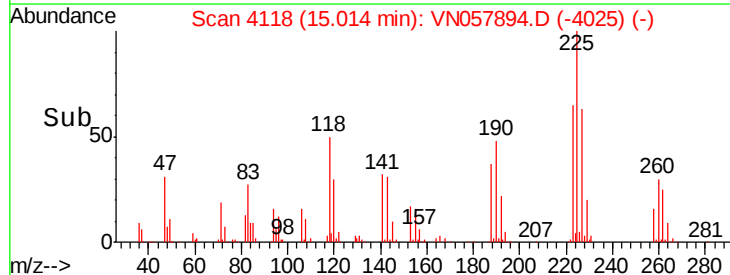
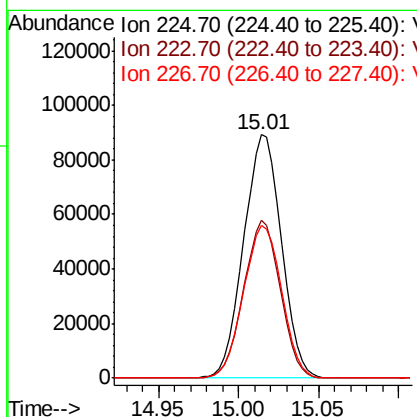
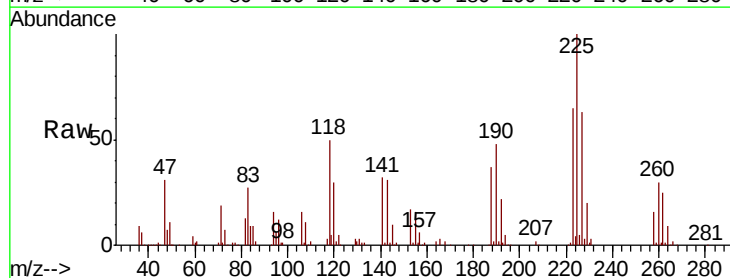
Manual Integrations
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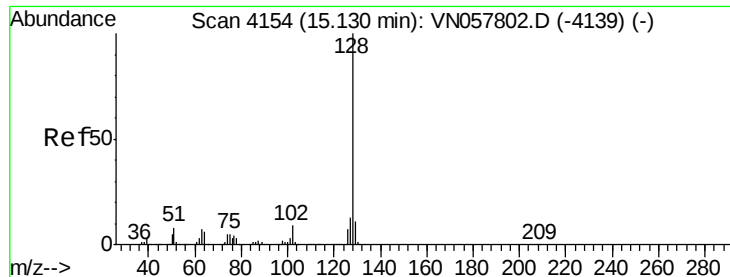
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#94
 Hexachlorobutadiene
 Concen: 45.606 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN057894.D
 Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144327		
223	62.7	32.4	97.2	
227	63.2	31.8	95.4	





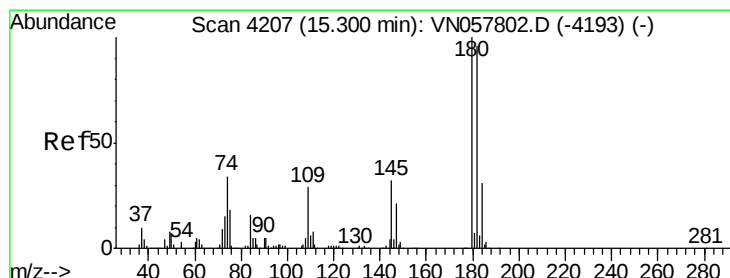
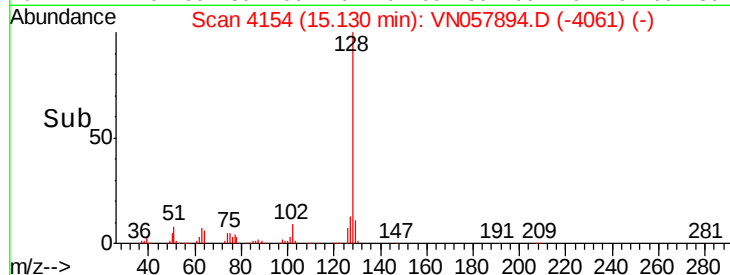
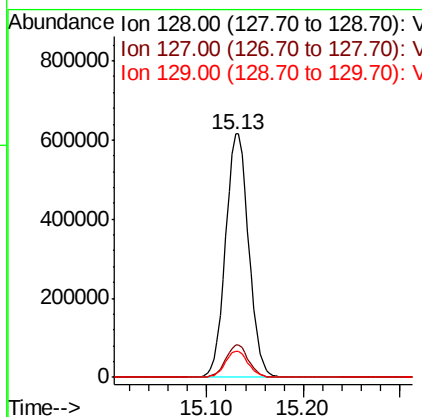
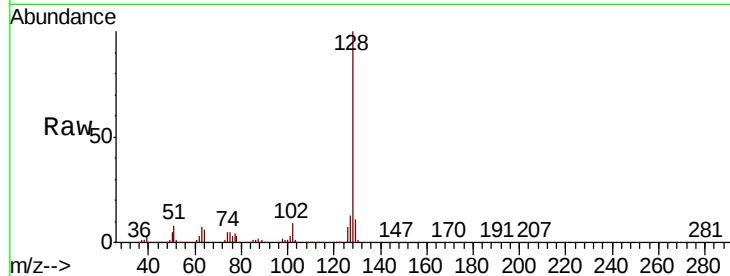
#95
Naphthalene
Concen: 54.253 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.880 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057894.D
Acq: 11 Sep 2019 3:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.8
145	32.6	16.3	48.8

