

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057773.D
 Acq On : 7 Sep 2019 23:11
 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
 9/10/2019 3:02:45 PM

Quant Time: Sep 08 07:24:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	200015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	314201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	295068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	178347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	225572	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
35) Dibromofluoromethane	7.57	113	148532	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.09	98	544685	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	220557	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	139903	44.045	ug/l	96
3) Chloromethane	2.03	50	136091	35.916	ug/l	97
4) Vinyl Chloride	2.16	62	119401	43.407	ug/l	97
5) Bromomethane	2.53	94	65850	52.124	ug/l	99
6) Chloroethane	2.68	64	70891	43.653	ug/l	94
7) Trichlorofluoromethane	2.99	101	175025	39.647	ug/l	100
8) Diethyl Ether	3.39	74	78866	44.710	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	123668	44.887	ug/l	96
10) Methyl Iodide	3.93	142	151626	55.546	ug/l	98
11) Tert butyl alcohol	4.76	59	127863	231.284	ug/l	99
12) 1,1-Dichloroethene	3.71	96	111093	44.816	ug/l	97
13) Acrolein	3.59	56	59244	225.334	ug/l	94
14) Allyl chloride	4.30	41	237998	42.015	ug/l	99
15) Acrylonitrile	4.96	53	351376	247.217	ug/l	98
16) Acetone	3.80	43	344366	229.980	ug/l	98
17) Carbon Disulfide	4.03	76	232083	41.324	ug/l	99
18) Methyl Acetate	4.30	43	184648	45.346	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	466672	44.843	ug/l	98
20) Methylene Chloride	4.53	84	141685	43.762	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	122494	46.962	ug/l	97
22) Diisopropyl ether	5.93	45	546123	45.575	ug/l	98
23) Vinyl Acetate	5.87	43	2311763	238.349	ug/l	100
24) 1,1-Dichloroethane	5.83	63	279934	45.561	ug/l	98
25) 2-Butanone	6.82	43	525464	245.045	ug/l	99
26) 2,2-Dichloropropane	6.81	77	177217	34.574	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	156824	47.899	ug/l	92
28) Bromochloromethane	7.18	49	153043	47.606	ug/l	93
29) Tetrahydrofuran	7.19	42	334936	242.200	ug/l	99
30) Chloroform	7.36	83	297273	46.432	ug/l	98
31) Cyclohexane	7.64	56	229955	42.106	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	253580	47.551	ug/l	99
36) 1,1-Dichloropropene	7.78	75	198490	47.486	ug/l	98
37) Ethyl Acetate	6.91	43	217890	52.507	ug/l	99
38) Carbon Tetrachloride	7.76	117	203646	50.881	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	210016	47.501	ug/l	96
40) Benzene	8.03	78	593756	50.221	ug/l	99
41) Methacrylonitrile	7.19	41	335406	165.348	ug/l #	22
42) 1,2-Dichloroethane	8.11	62	266857	48.153	ug/l	98
43) Isopropyl Acetate	8.15	43	393041	49.345	ug/l	99
44) Trichloroethene	8.83	130	142959	53.800	ug/l	100
45) 1,2-Dichloropropane	9.11	63	164915	49.874	ug/l	99
46) Dibromomethane	9.20	93	111980	52.794	ug/l	94
47) Bromodichloromethane	9.40	83	227458	50.460	ug/l	99
48) Methyl methacrylate	9.19	41	196012	47.849	ug/l	97
49) 1,4-Dioxane	9.19	88	52774	1107.225	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1196026	270.378	ug/l	99
52) Toluene	10.15	92	367113	51.231	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	218706	48.361	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	236525	48.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	148833	51.611	ug/l	99
56) Ethyl methacrylate	10.43	69	238507	51.817	ug/l	98
57) 1,3-Dichloropropane	10.71	76	260820	50.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	592252	253.619	ug/l	99
59) 2-Hexanone	10.75	43	845937	271.195	ug/l	100
60) Dibromochloromethane	10.90	129	153100	49.263	ug/l	100
61) 1,2-Dibromoethane	11.00	107	150761	54.456	ug/l	99
64) Tetrachloroethene	10.63	164	125897	54.727	ug/l	94
65) Chlorobenzene	11.43	112	396438	51.505	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	145820	54.446	ug/l	98
67) Ethyl Benzene	11.51	91	749585	50.474	ug/l	99
68) m/p-Xylenes	11.62	106	532371	104.079	ug/l	97
69) o-Xylene	11.95	106	261716	51.673	ug/l	98
70) Styrene	11.96	104	460385	52.533	ug/l	98
71) Bromoform	12.13	173	101249	50.553	ug/l #	99
73) Isopropylbenzene	12.25	105	745307	47.268	ug/l	98
74) N-amyl acetate	12.07	43	354999	45.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	225836	47.765	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	187784m	45.851	ug/l	
77) Bromobenzene	12.53	156	177416	51.793	ug/l	88
78) n-propylbenzene	12.59	91	862245	46.028	ug/l	98
79) 2-Chlorotoluene	12.68	91	532770	46.717	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	637548	47.599	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51225	38.899	ug/l	96
82) 4-Chlorotoluene	12.78	91	546197	46.504	ug/l	97
83) tert-Butylbenzene	13.00	119	537046	47.562	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	638637	48.135	ug/l	99
85) sec-Butylbenzene	13.17	105	715210	45.976	ug/l	97
86) p-Isopropyltoluene	13.29	119	637016	48.318	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	318566	49.747	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	320063	49.962	ug/l	98
89) n-Butylbenzene	13.62	91	590648	45.301	ug/l	99
90) Hexachloroethane	13.88	117	99062	47.955	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	320977	50.910	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46613	50.043	ug/l	92

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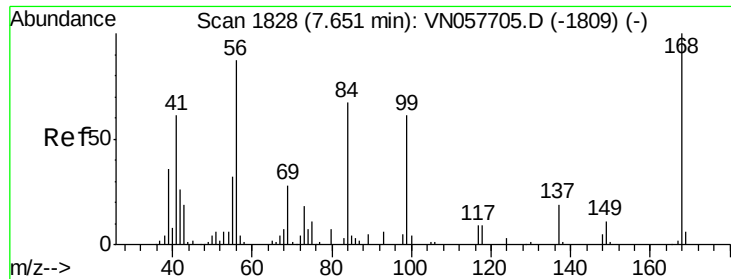
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	207116	54.911	ug/l	98
94) Hexachlorobutadiene	15.01	225	100824	54.842	ug/l	99
95) Naphthalene	15.13	128	557719	50.968	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	194825	53.887	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 200015

Ion Ratio Lower Upper

168 100

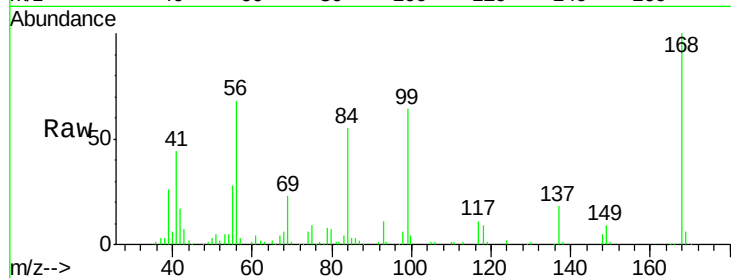
99 63.7 57.4 86.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

60000

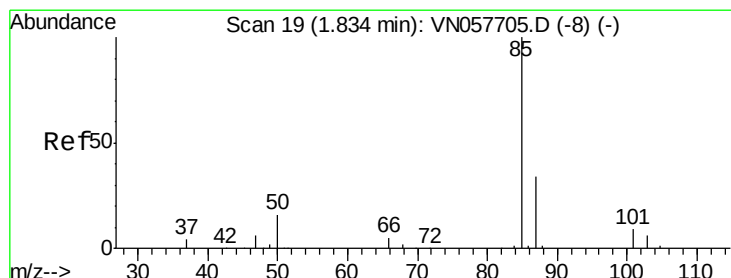
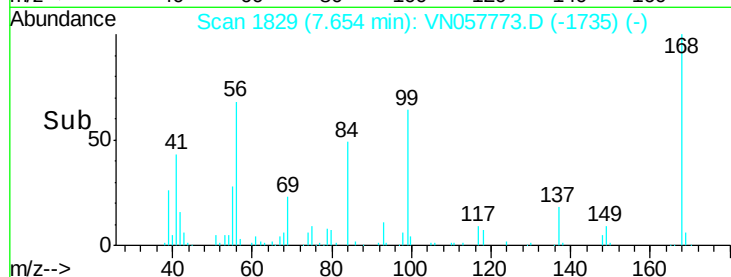
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.045 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057773.D

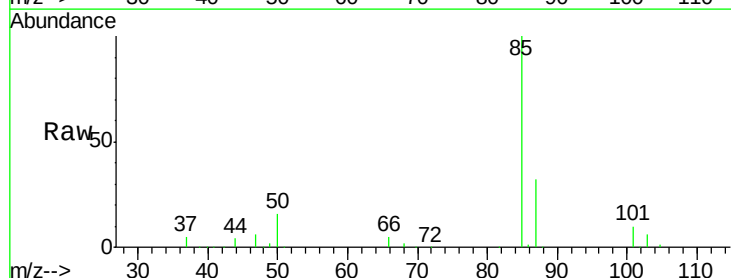
Acq: 7 Sep 2019 23:11

Tgt Ion: 85 Resp: 139903

Ion Ratio Lower Upper

85 100

87 31.6 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

120000

100000

80000

60000

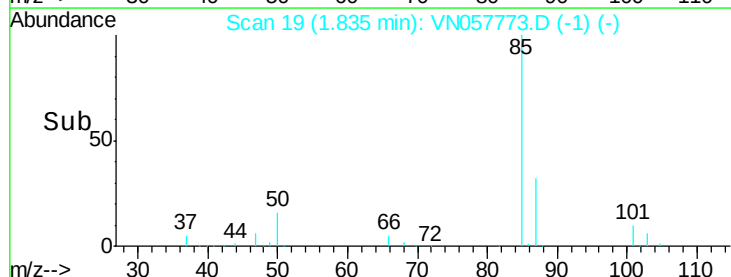
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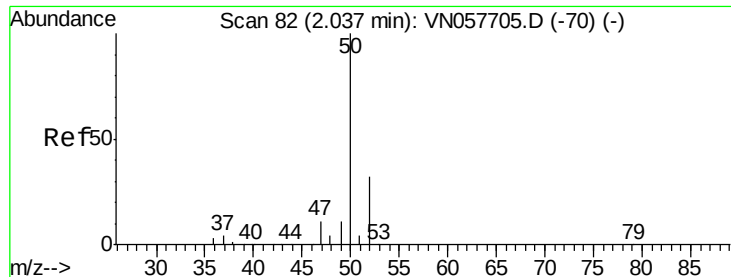
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 35.916 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 136091

Ion Ratio Lower Upper

50 100

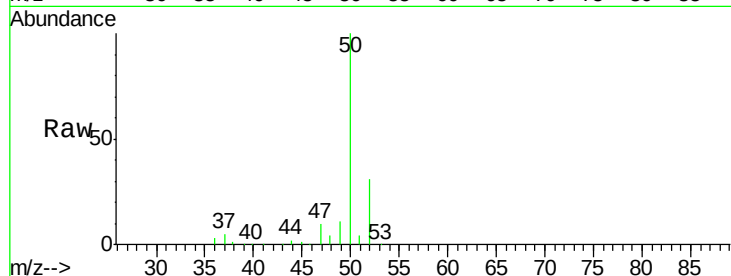
52 31.0 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

120000

100000

80000

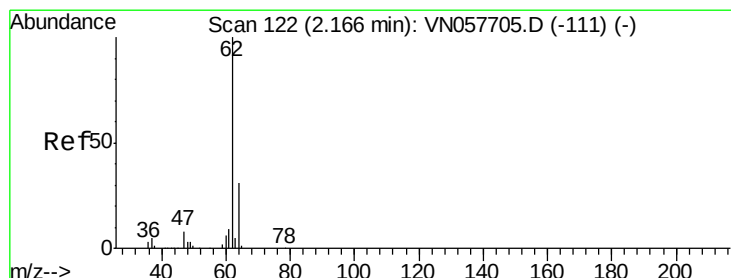
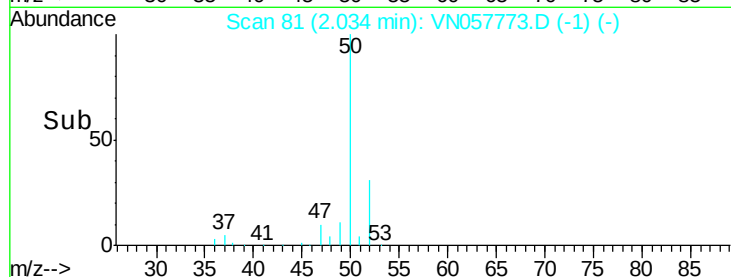
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 43.407 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057773.D

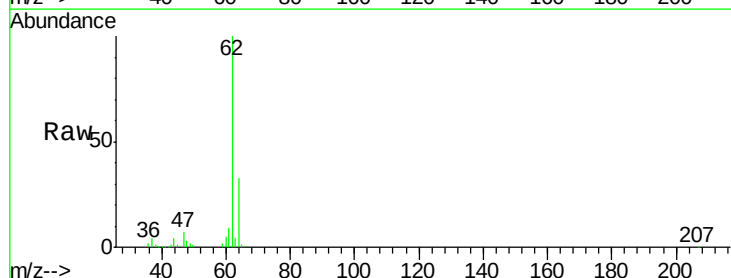
Acq: 7 Sep 2019 23:11

Tgt Ion: 62 Resp: 119401

Ion Ratio Lower Upper

62 100

64 32.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

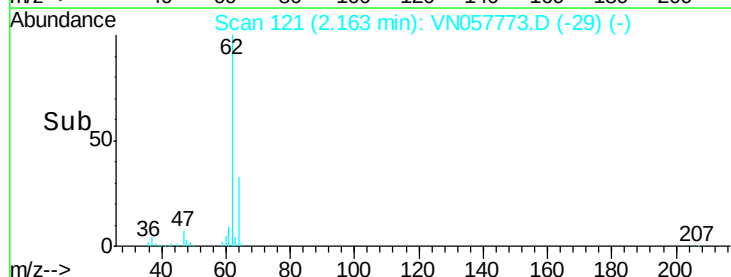
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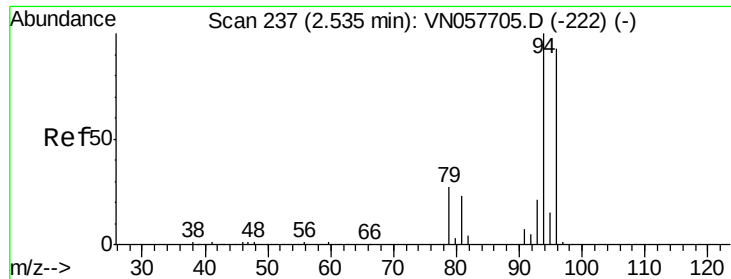
40000

20000

0

Time-->





#5

Bromomethane

Concen: 52.124 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65850

Ion Ratio Lower Upper

94 100

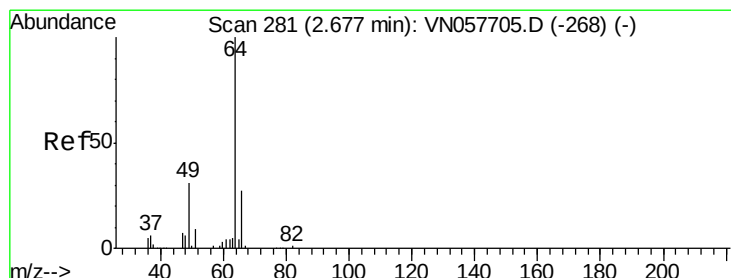
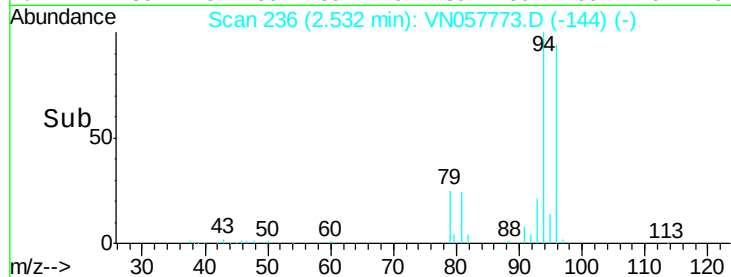
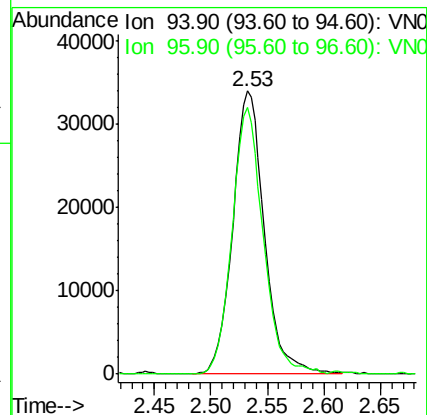
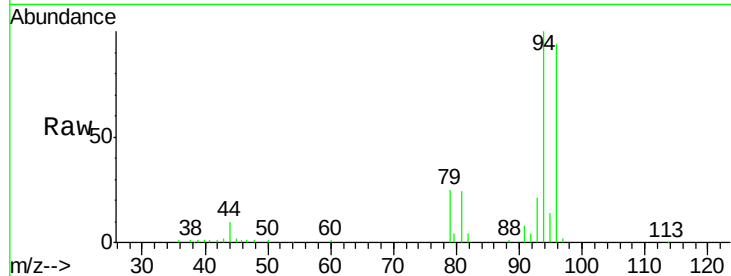
96 94.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 43.653 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057773.D

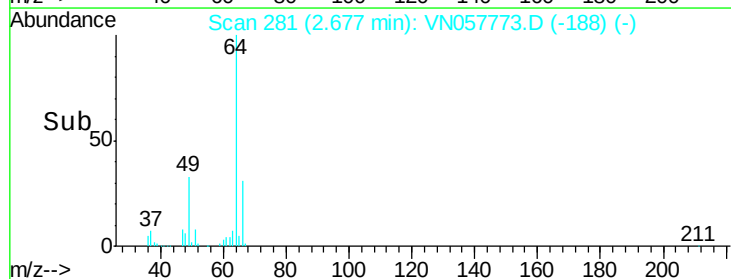
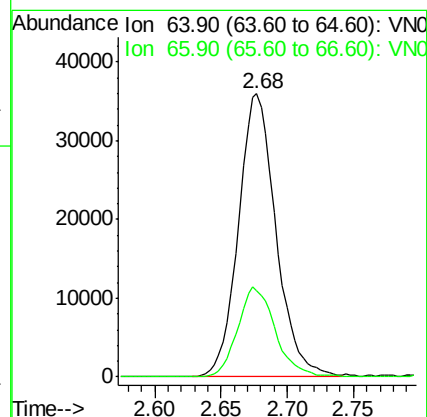
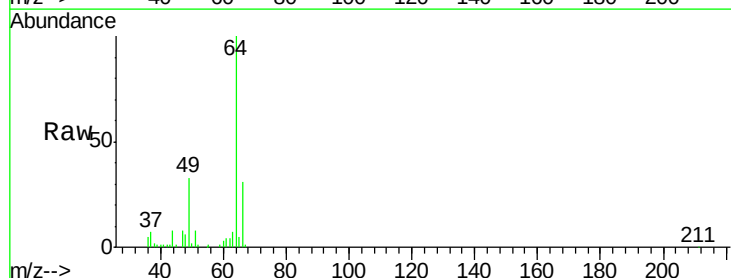
Acq: 7 Sep 2019 23:11

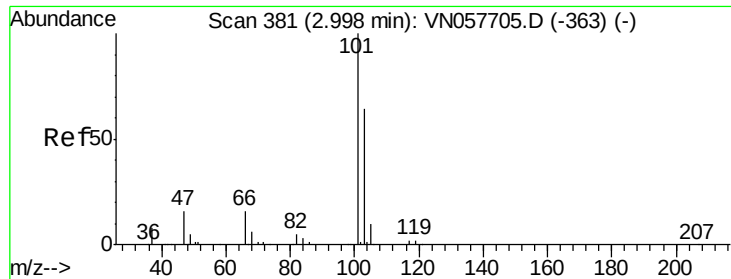
Tgt Ion: 64 Resp: 70891

Ion Ratio Lower Upper

64 100

66 30.5 22.0 33.0





#7

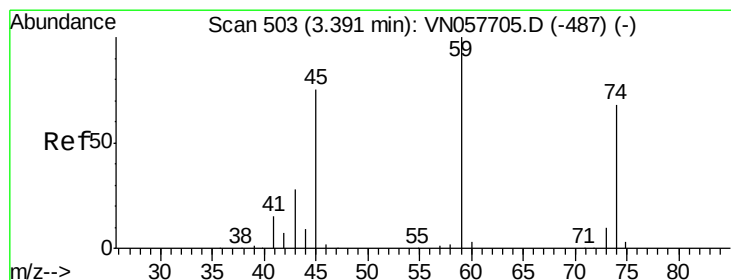
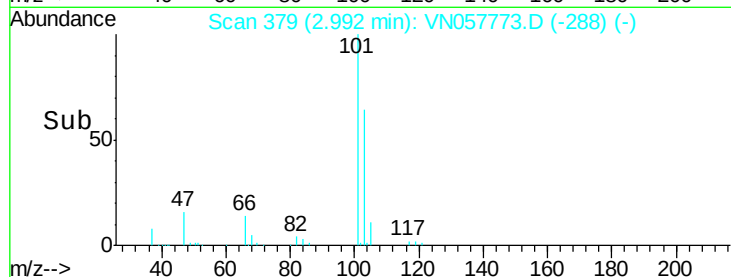
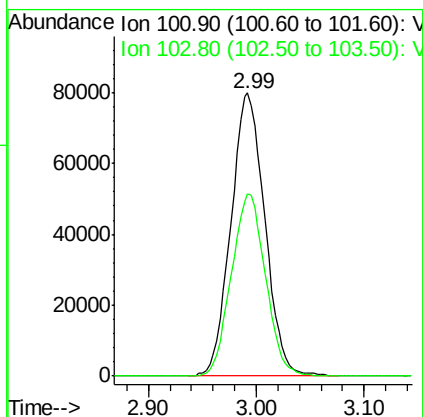
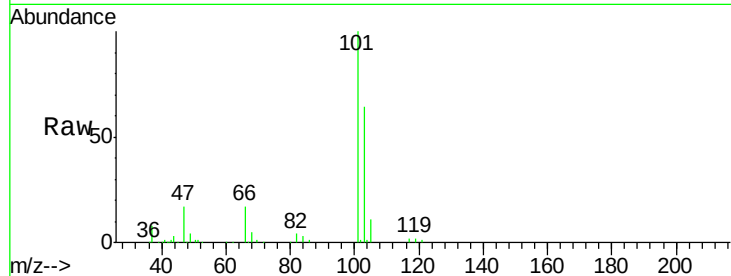
Trichlorofluoromethane
Concen: 39.647 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.0

Manual Integrations
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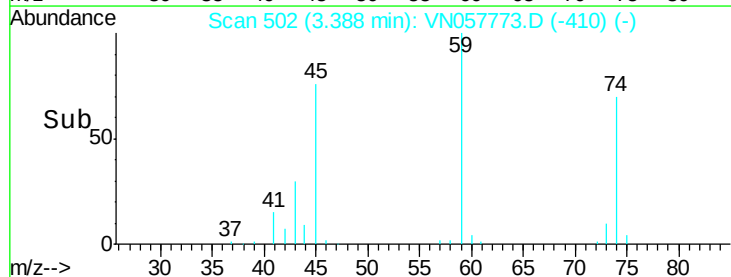
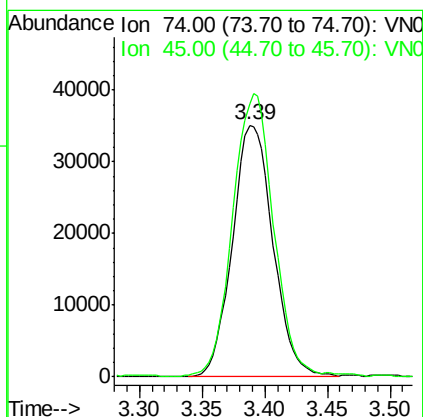
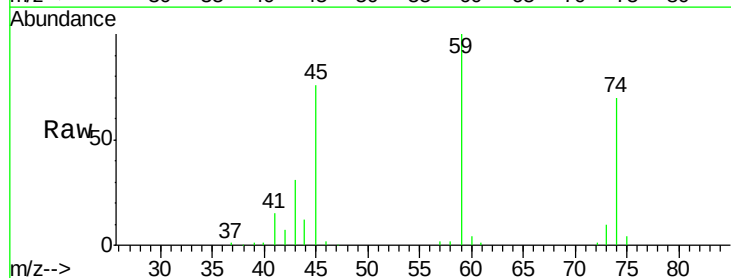
MMDadoda
9/10/2019 3:02:45 PM

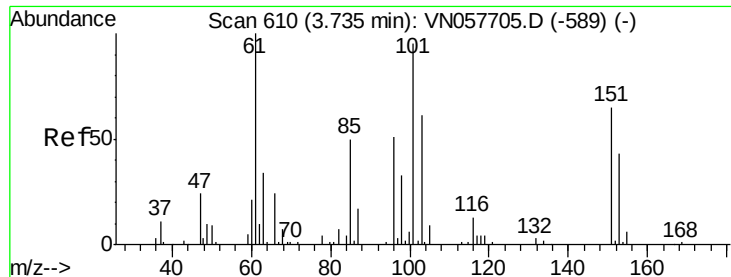


#8

Diethyl Ether
Concen: 44.710 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.9	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.887 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

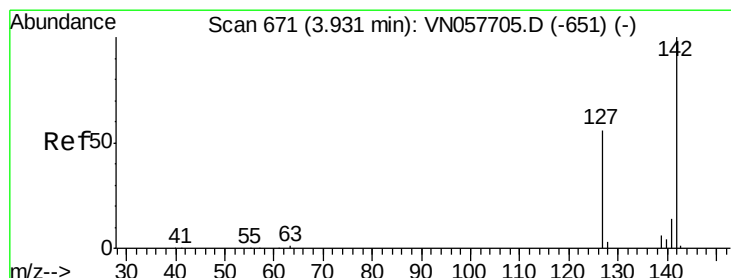
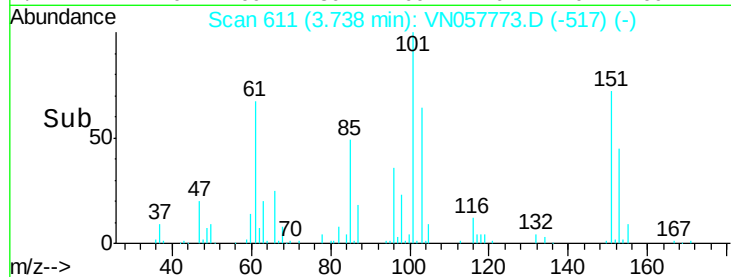
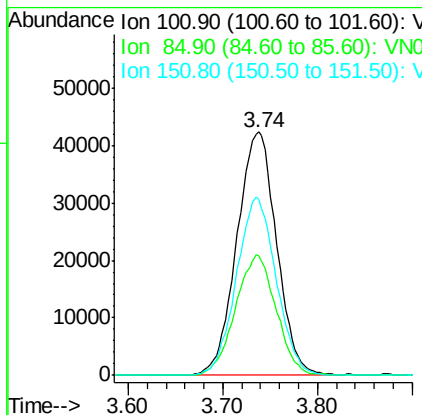
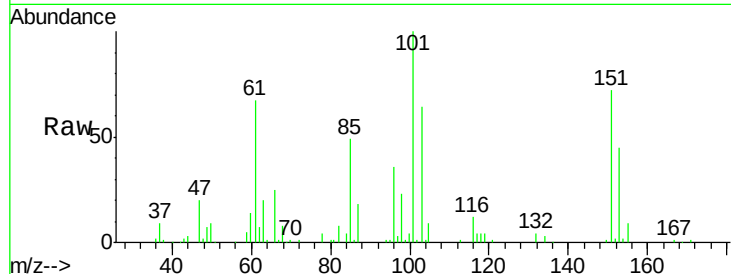
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	123668
Ion Ratio	Lower	Upper	
101	100		
85	50.4	42.8	64.2
151	73.1	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 55.546 ug/l

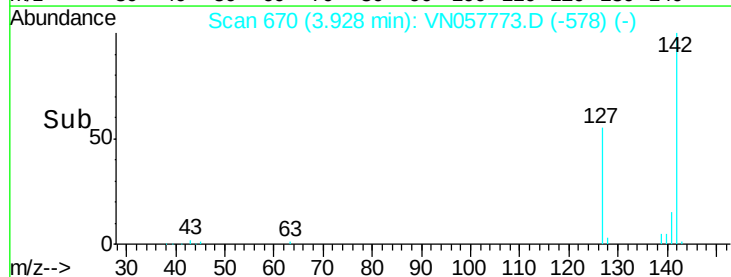
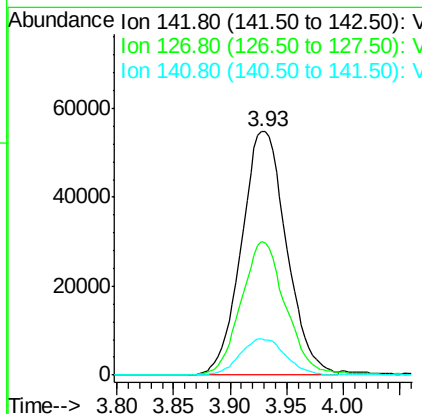
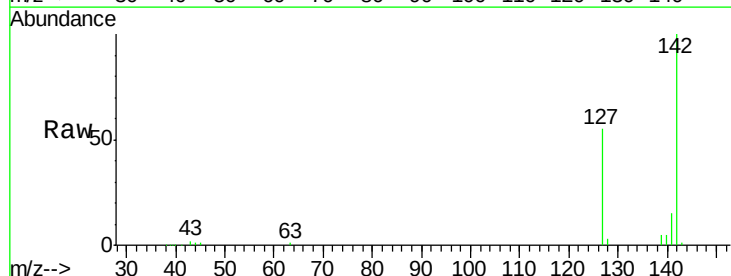
RT: 3.93 min Scan# 670

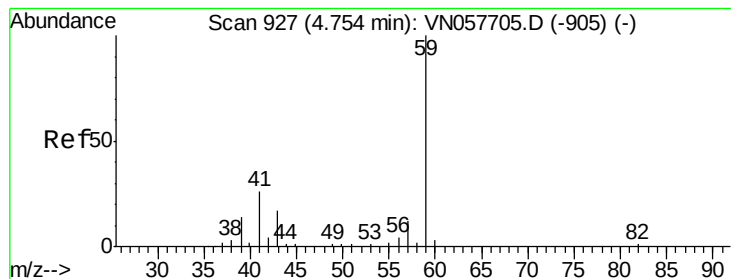
Delta R.T. -0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	142	Resp:	151626
Ion Ratio	Lower	Upper	
142	100		
127	54.0	42.1	63.1
141	15.0	11.0	16.4





#11

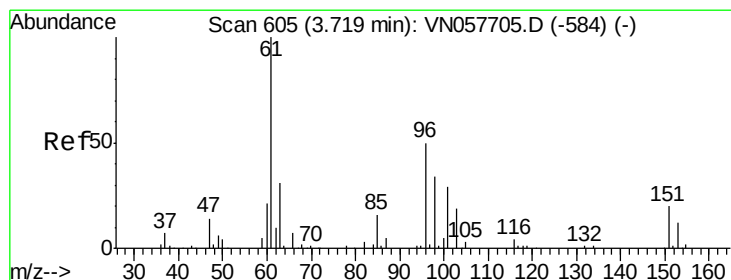
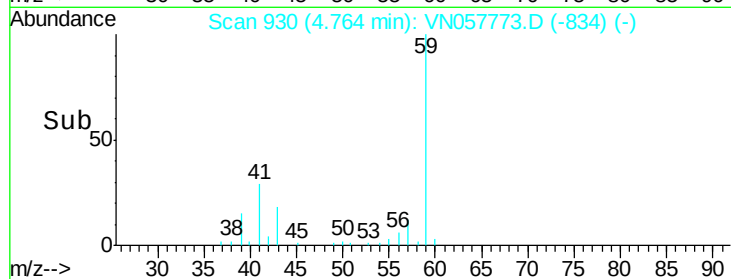
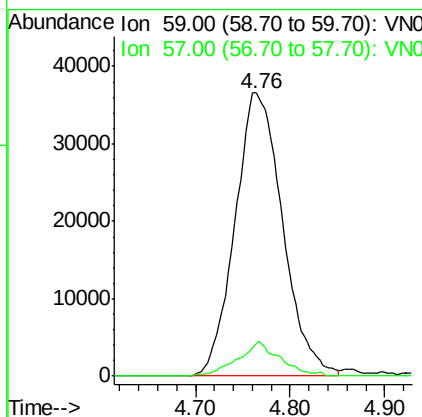
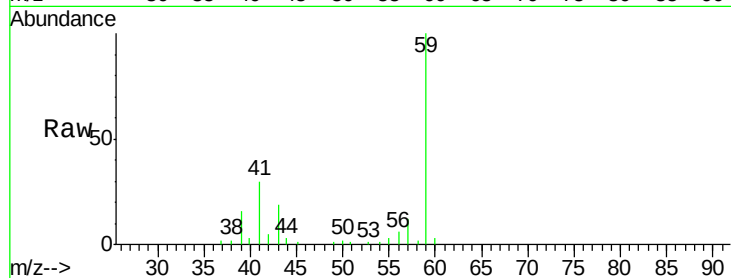
Tert butyl alcohol
 Concen: 231.284 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

Manual Integrations
 APPROVED

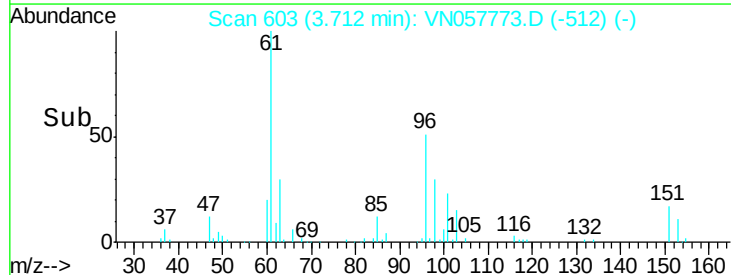
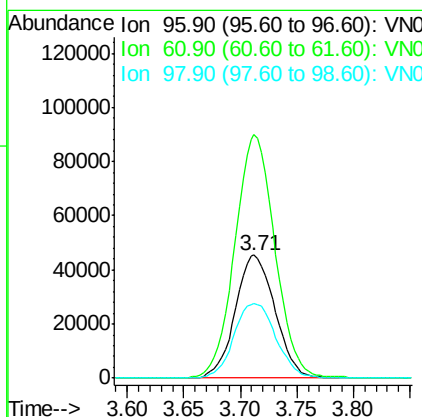
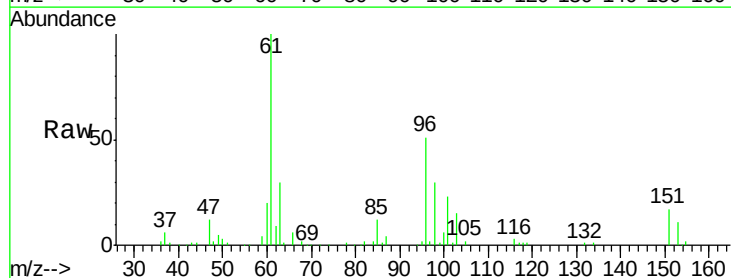
MMDadoda
 9/10/2019 3:02:45 PM

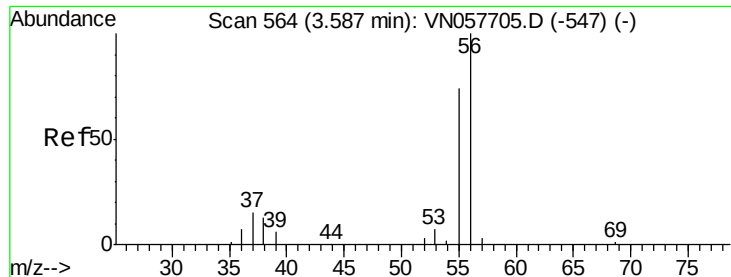


#12

1,1-Dichloroethene
 Concen: 44.816 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.3	158.7	238.1
98	60.2	53.8	80.8





#13

Acrolein

Concen: 225.334 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 59244

Ion Ratio Lower Upper

56 100

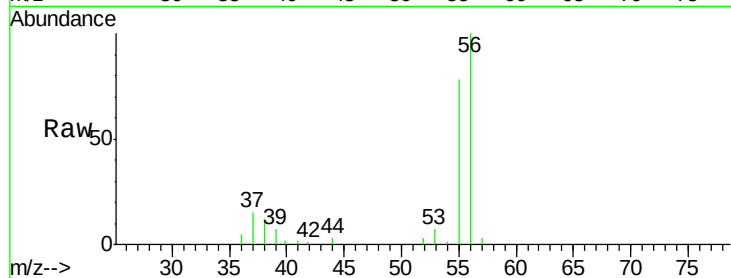
55 74.4 55.4 83.0

Manual Integrations

APPROVED

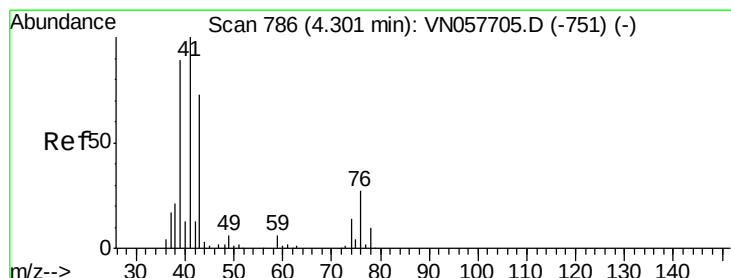
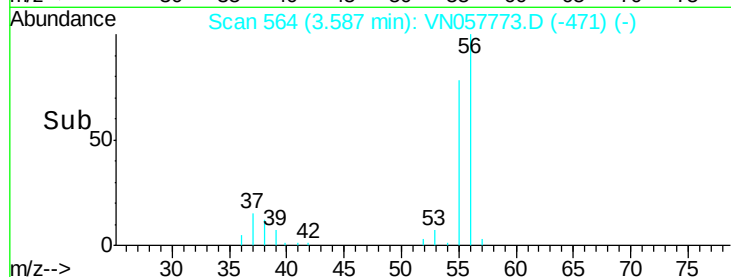
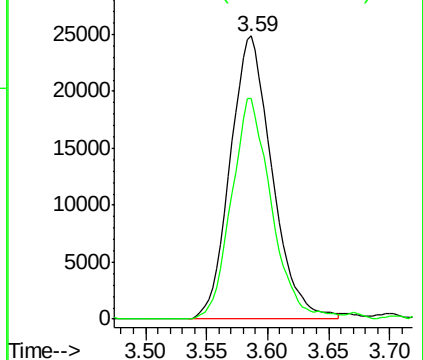
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.015 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

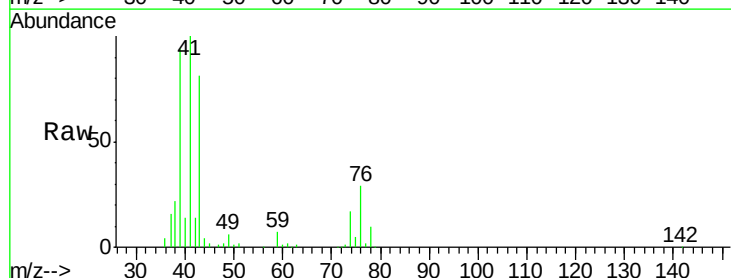
Tgt Ion: 41 Resp: 237998

Ion Ratio Lower Upper

41 100

39 84.4 67.5 101.3

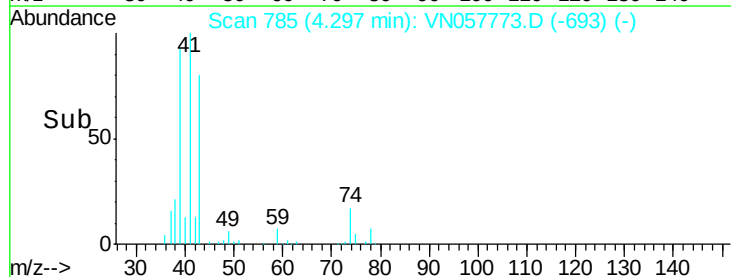
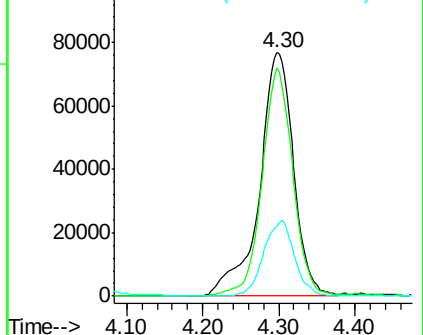
76 28.1 21.4 32.2

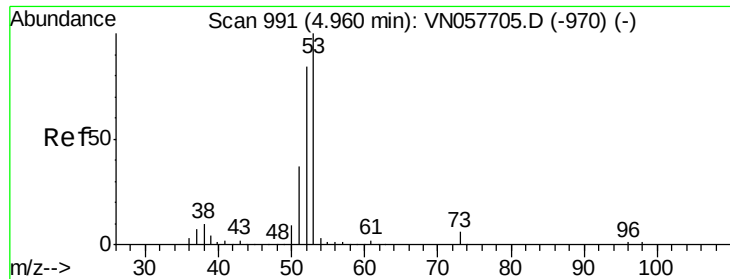


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 247.217 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

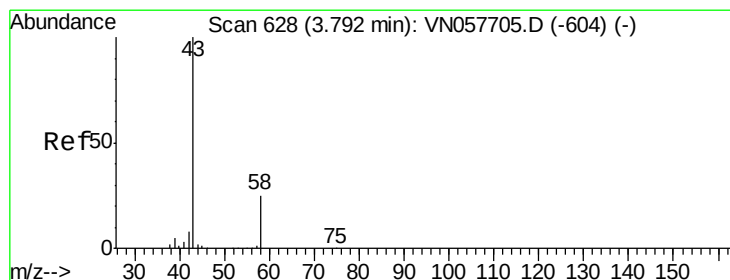
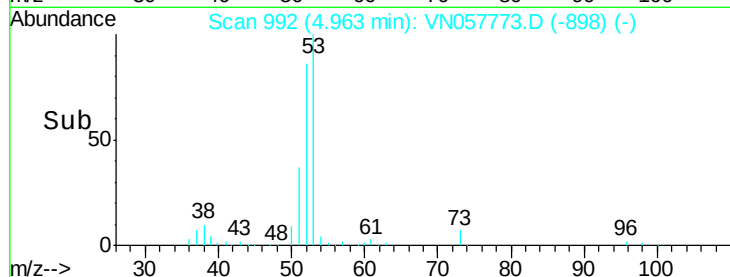
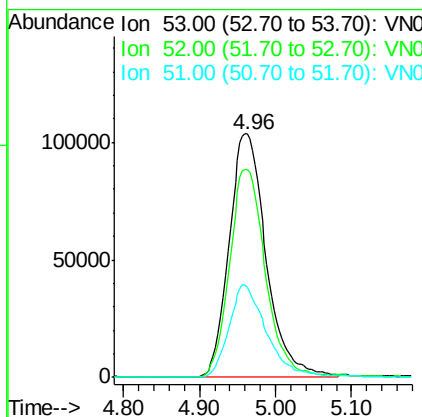
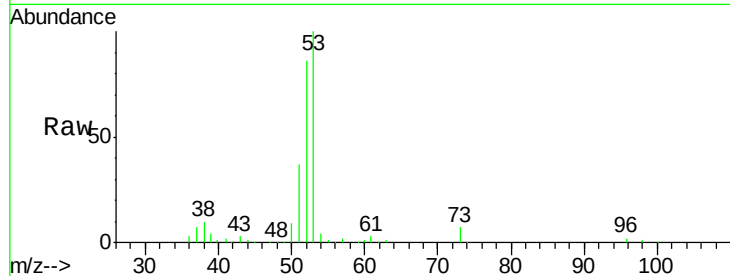
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	351376
Ion	Ratio	Lower	Upper
53	100		
52	82.7	68.1	102.1
51	38.0	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 229.980 ug/l

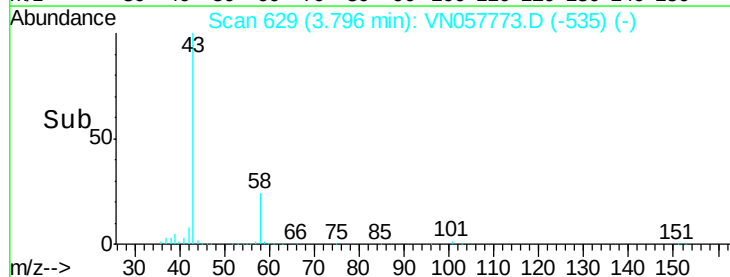
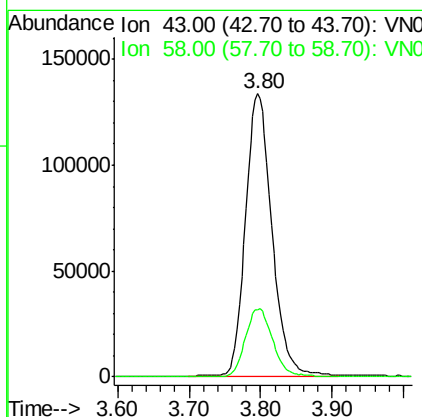
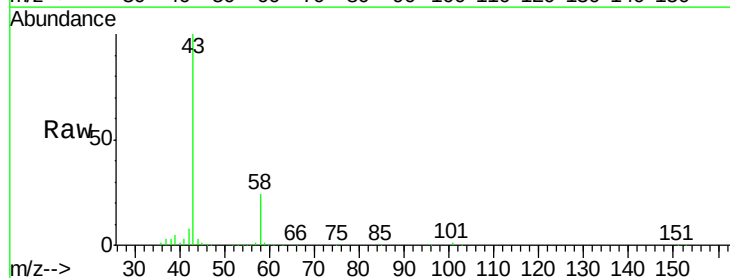
RT: 3.80 min Scan# 629

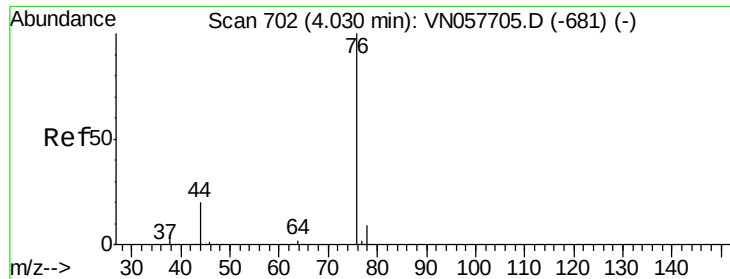
Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	43	Resp:	344366
Ion	Ratio	Lower	Upper
43	100		
58	24.0	19.8	29.8





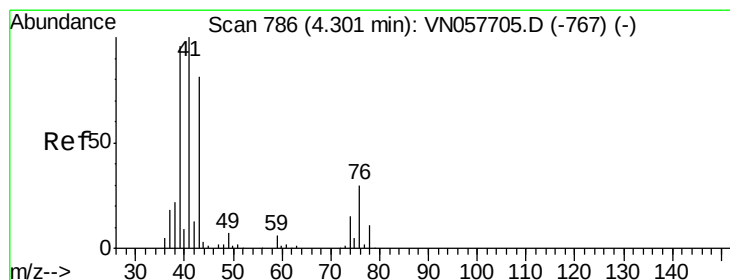
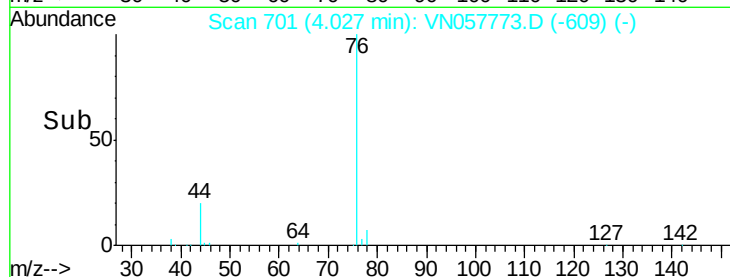
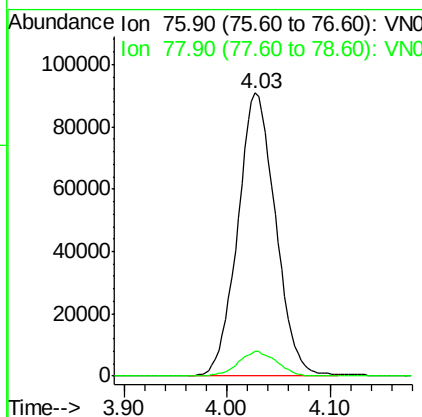
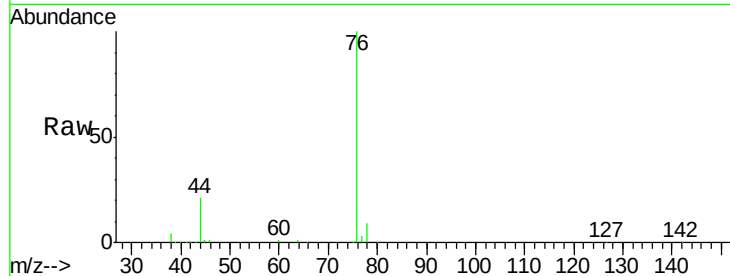
#17
Carbon Disulfide
Concen: 41.324 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

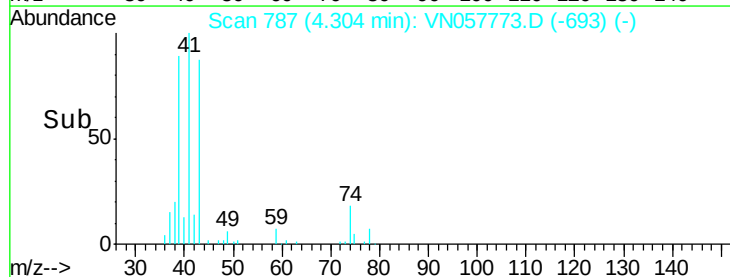
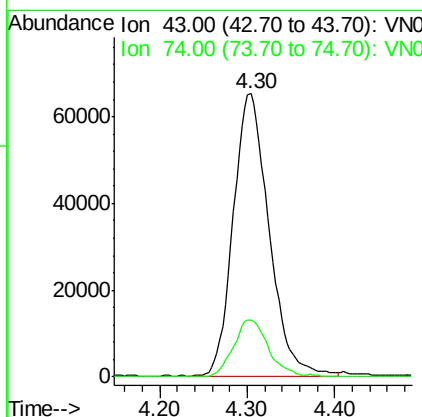
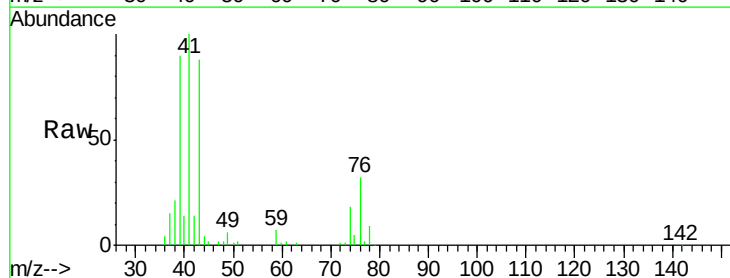
Manual Integrations
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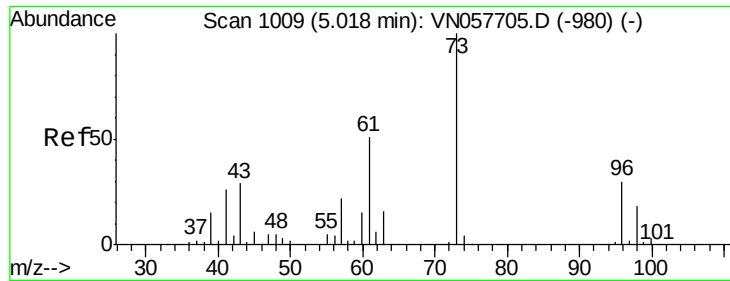
MMDadoda
9/10/2019 3:02:45 PM



#18
Methyl Acetate
Concen: 45.346 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.3	22.9





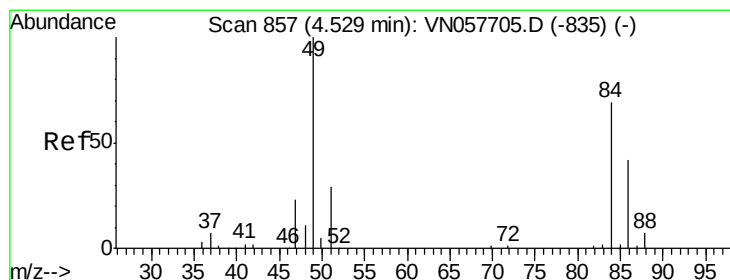
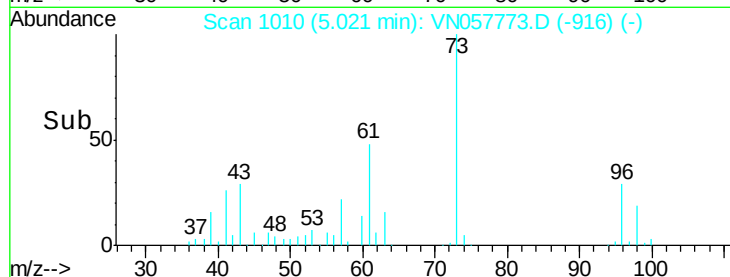
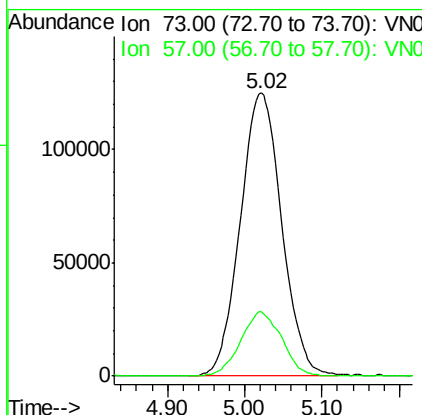
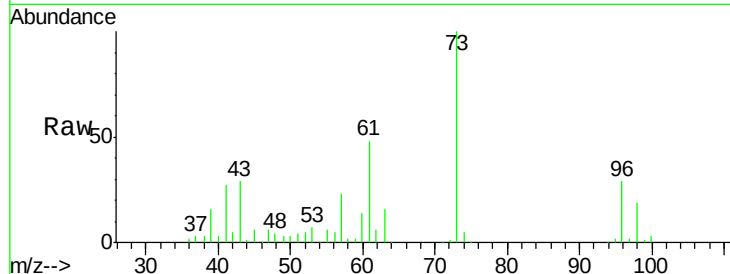
#19
Methvl tert-butvl Ether
Concen: 44.843 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 466672
Ion Ratio Lower Upper
73 100
57 22.8 17.7 26.5

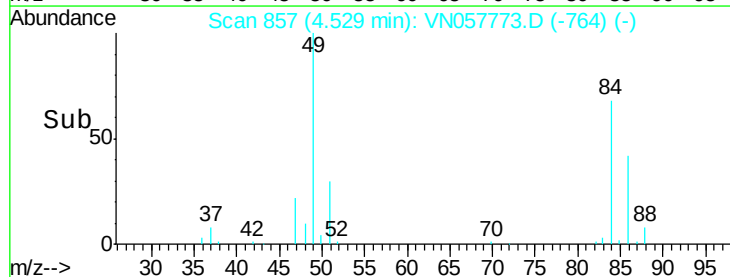
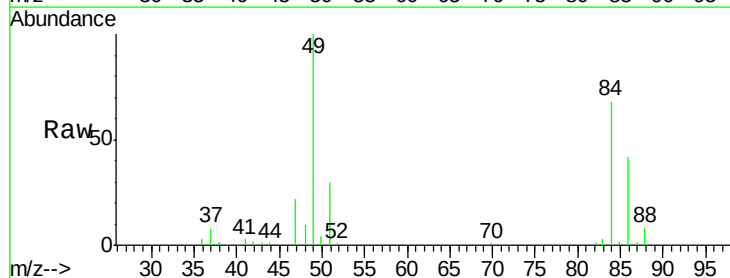
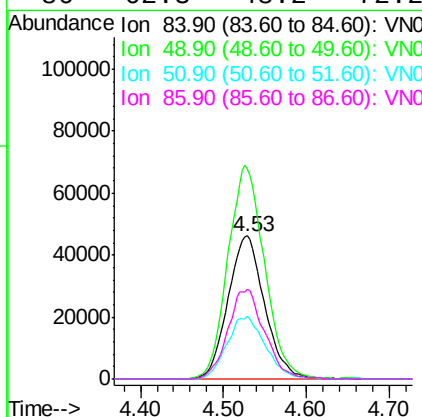
Manual Integrations
APPROVED

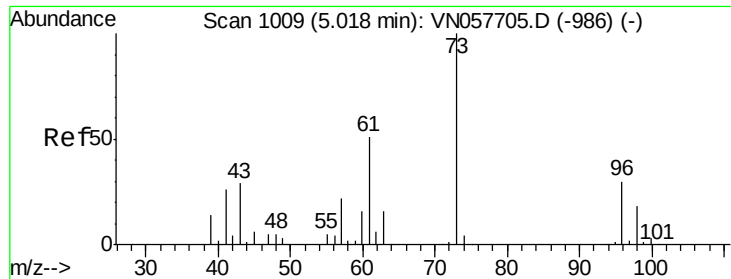
MMDadoda
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#20
Methylene Chloride
Concen: 43.762 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion: 84 Resp: 141685
Ion Ratio Lower Upper
84 100
49 146.6 115.0 172.6
51 43.4 33.8 50.8
86 62.3 48.2 72.2





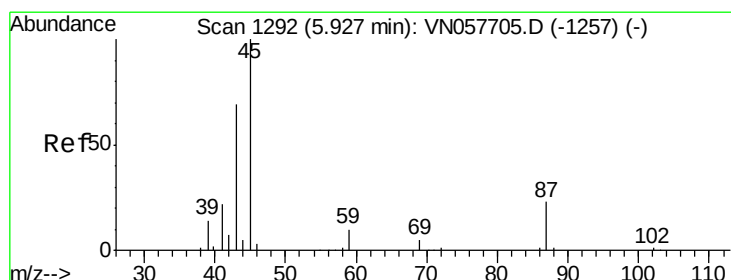
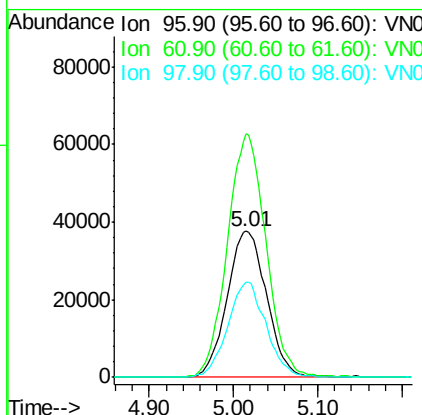
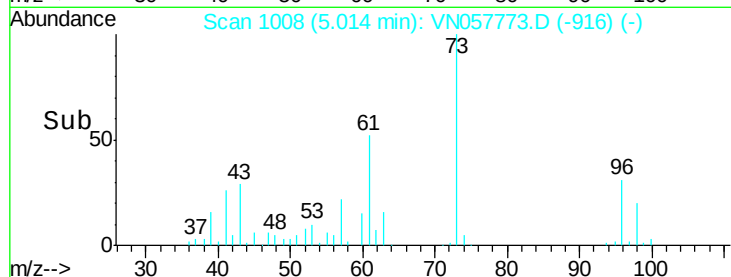
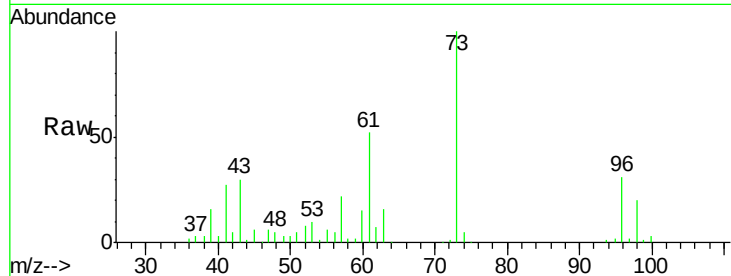
#21
trans-1,2-Dichloroethene
Concen: 46.962 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.5	135.8	203.8
98	65.2	49.0	73.6

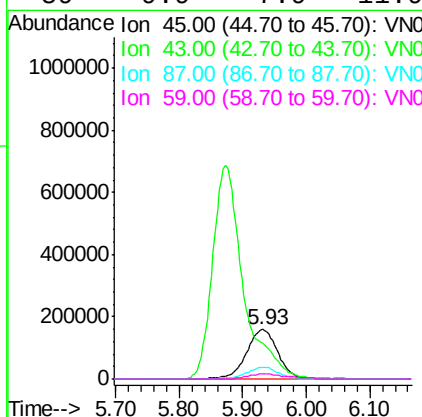
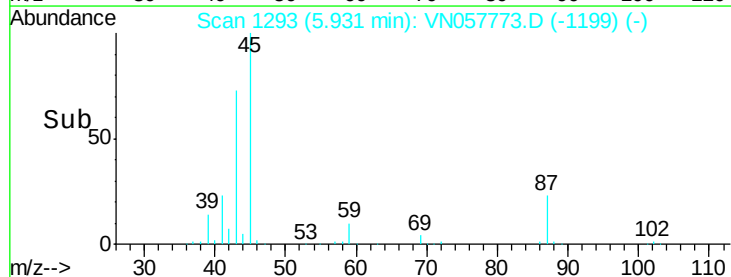
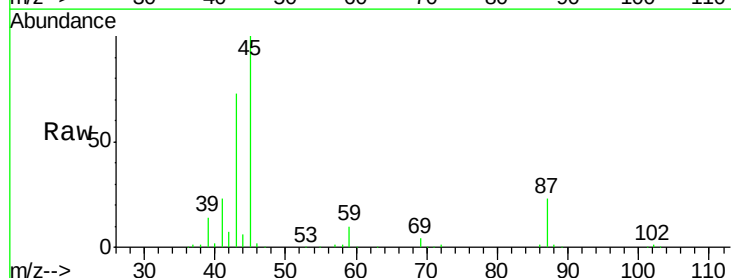
Manual Integrations
APPROVED

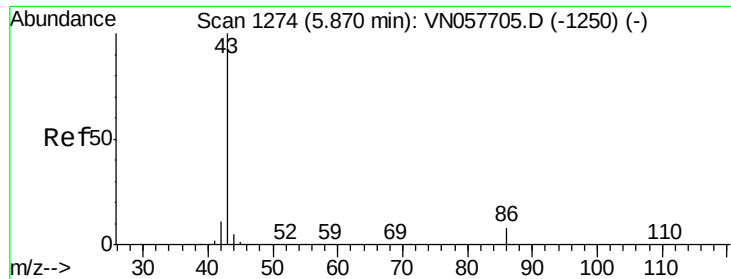
MMDadoda
9/10/2019 3:02:45 PM



#22
Diisopropyl ether
Concen: 45.575 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.3	55.5	83.3
87	23.3	18.6	28.0
59	9.9	7.9	11.9





#23

Vinyl Acetate

Concen: 238.349 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2311763

Ion Ratio Lower Upper

43 100

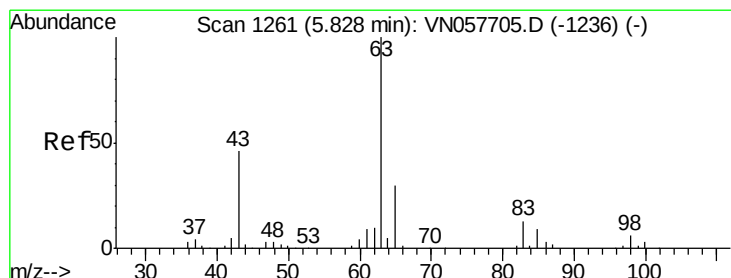
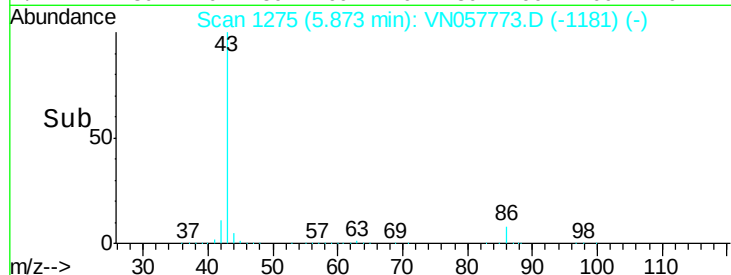
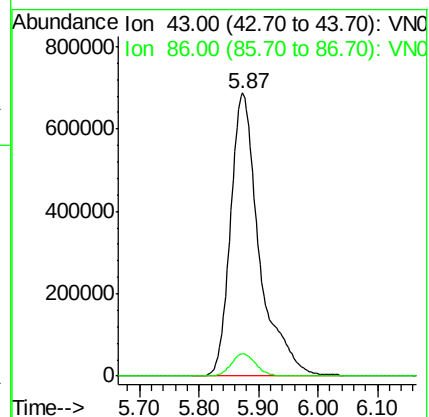
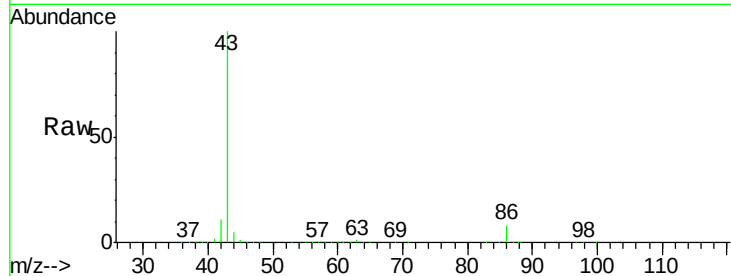
86 7.8 6.2 9.4

Manual Integrations

APPROVED

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#24

1,1-Dichloroethane

Concen: 45.561 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

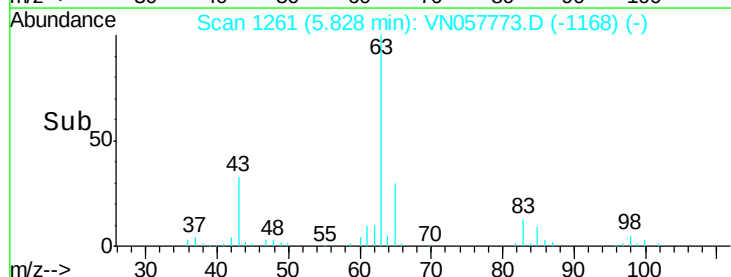
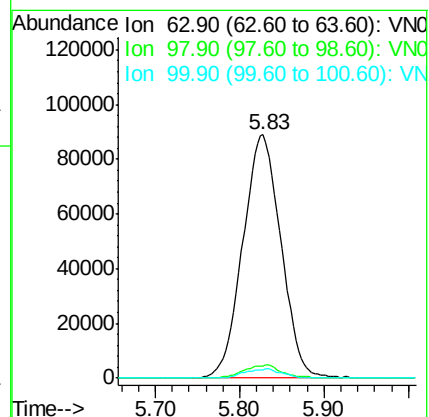
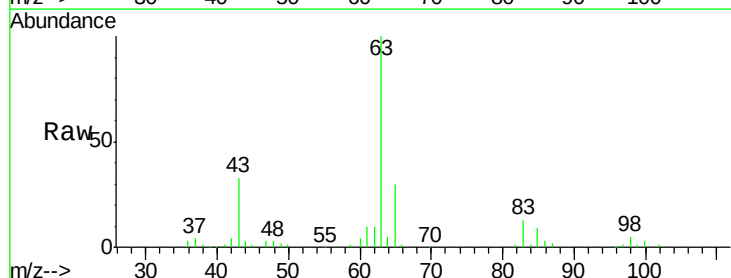
Tgt Ion: 63 Resp: 279934

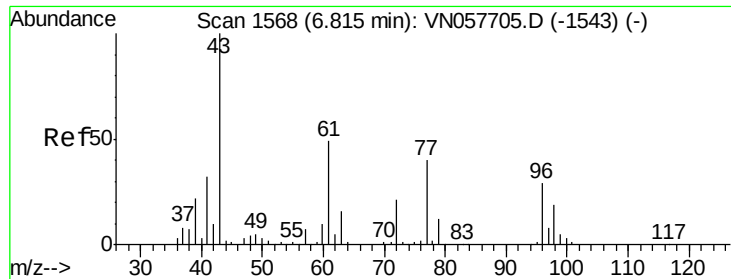
Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.8

100 3.5 1.7 5.0





#25

2-Butanone

Concen: 245.045 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 525464

Ion Ratio Lower Upper

43 100

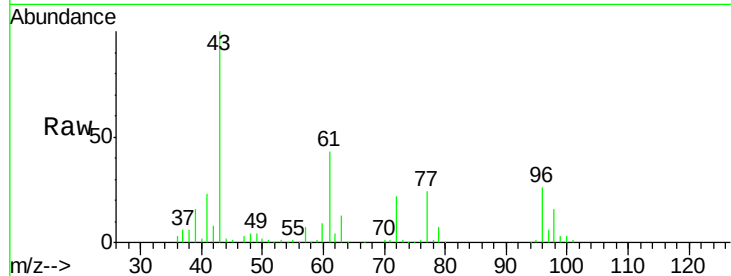
72 21.7 17.0 25.6

Manual Integrations

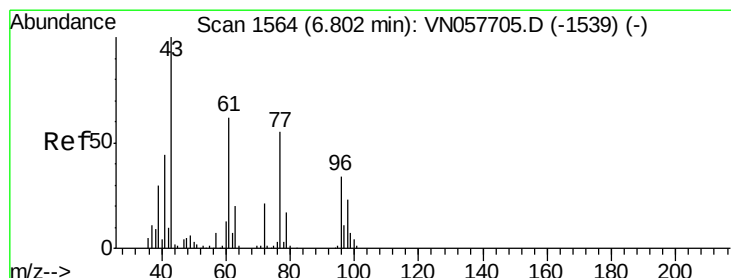
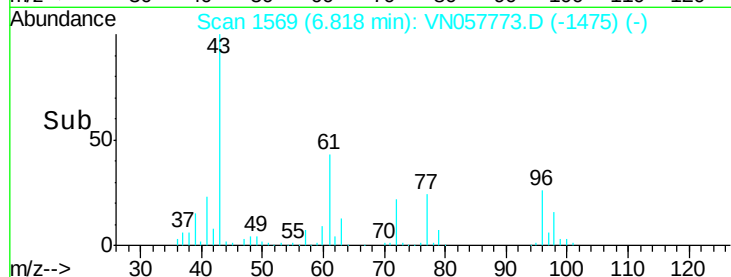
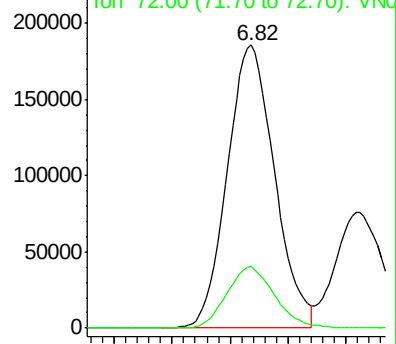
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Abundance Ion 43.00 (42.70 to 43.70): VN0



#26

2,2-Dichloropropane

Concen: 34.574 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057773.D

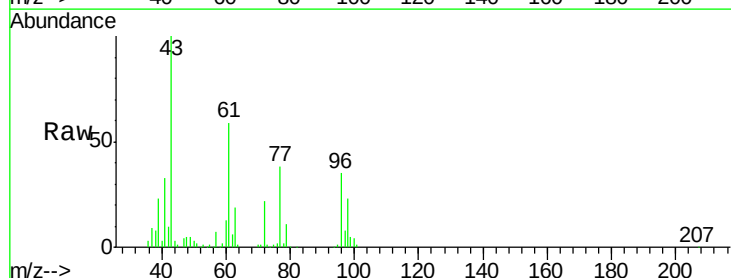
Acq: 7 Sep 2019 23:11

Tgt Ion: 77 Resp: 177217

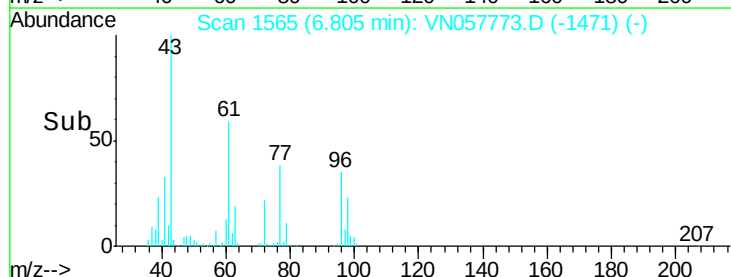
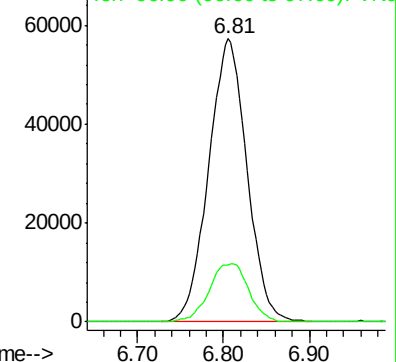
Ion Ratio Lower Upper

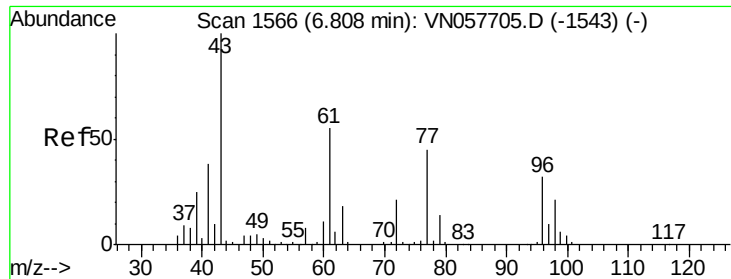
77 100

97 21.1 10.1 30.1



Abundance Ion 76.90 (76.60 to 77.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.899 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

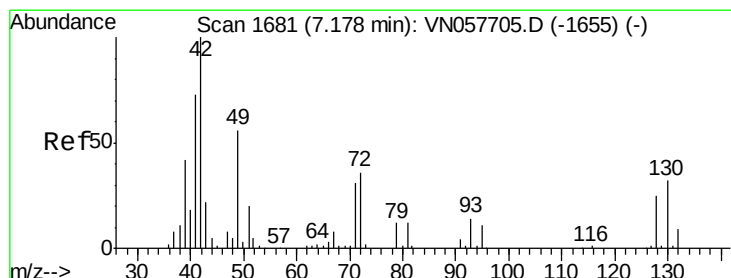
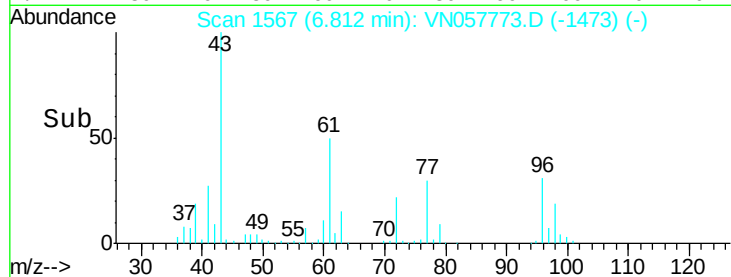
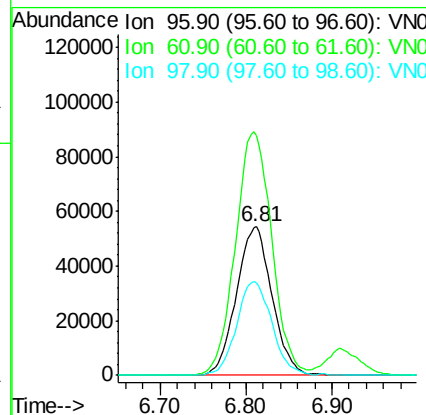
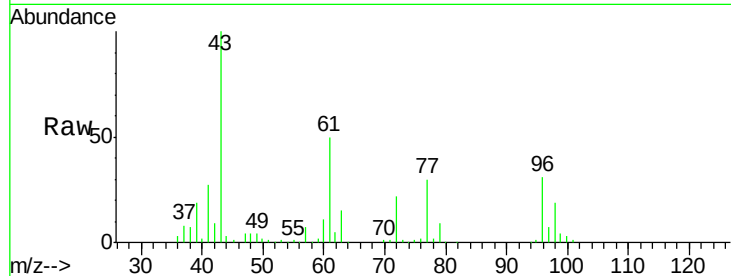
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	156824
Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	360.6
98	62.3	0.0	130.6

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#28

Bromochloromethane

Concen: 47.606 ug/l

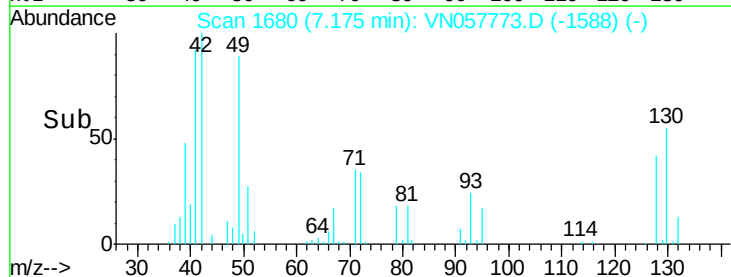
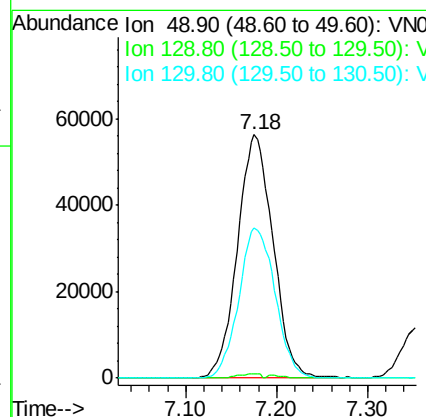
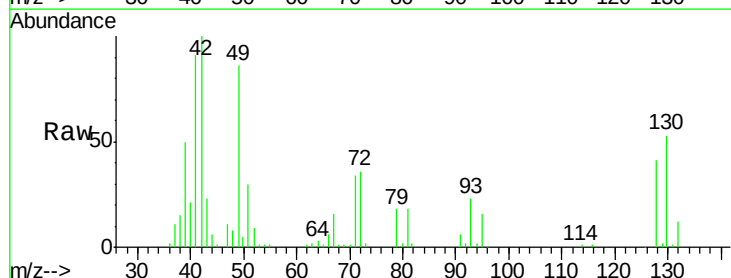
RT: 7.18 min Scan# 1680

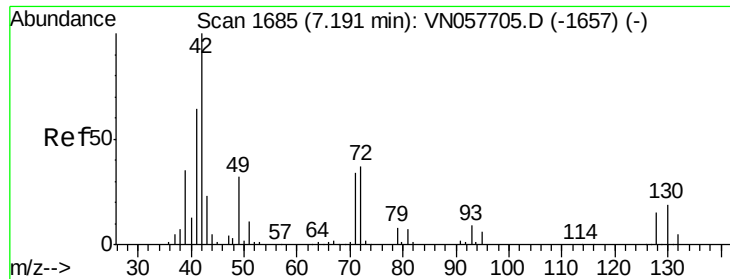
Delta R.T. -0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	49	Resp:	153043
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.4
130	62.8	45.8	68.8





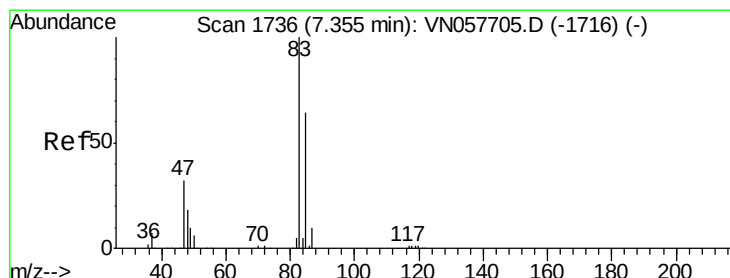
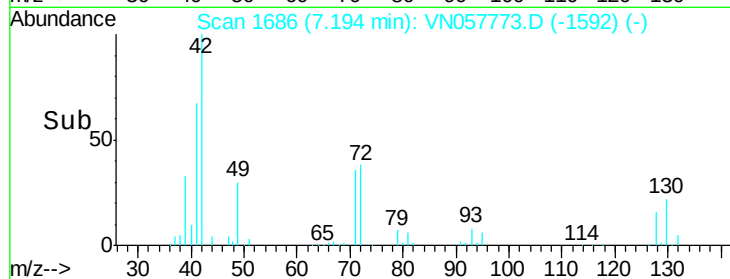
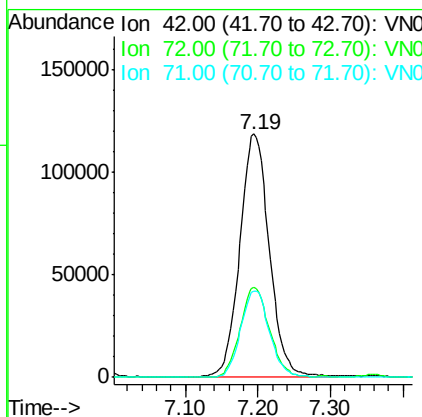
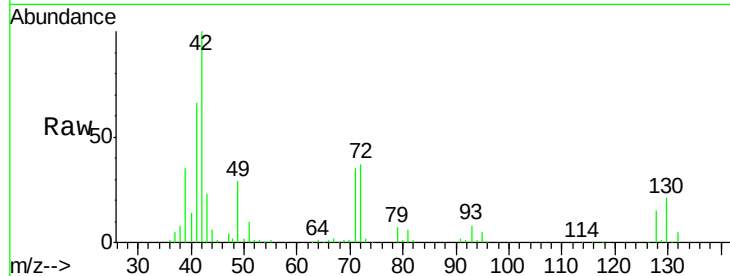
#29
Tetrahydrofuran
Concen: 242.200 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.2	43.8
71	34.8	27.0	40.4

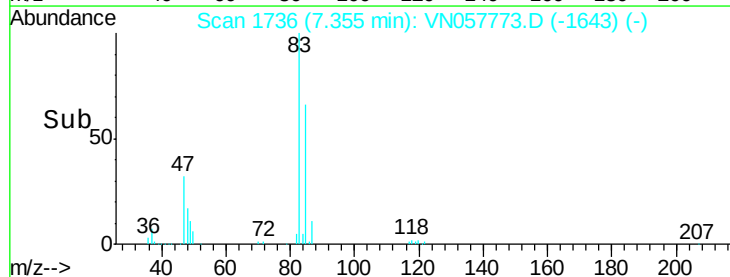
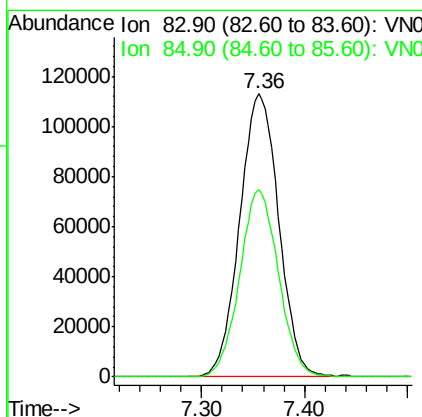
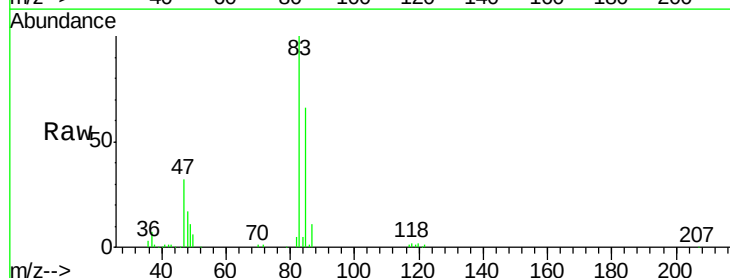
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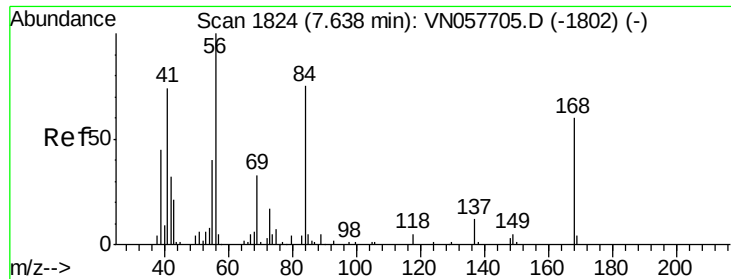
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#30
Chloroform
Concen: 46.432 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.3	76.9





#31

Cyclohexane

Concen: 42.106 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

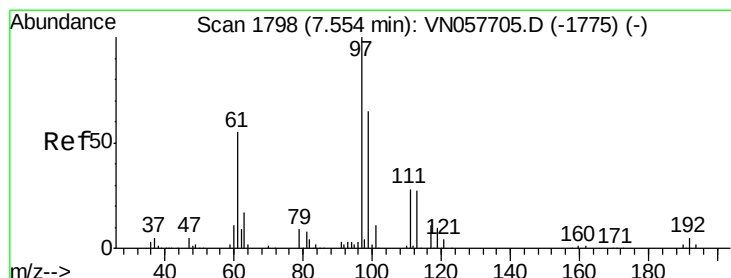
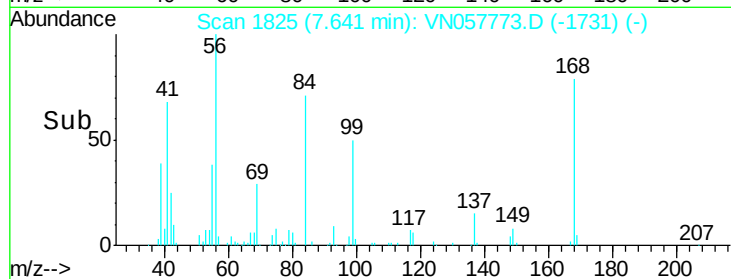
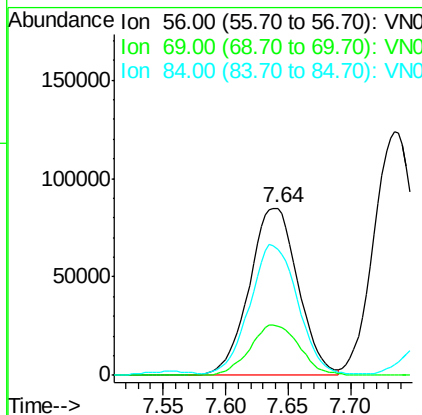
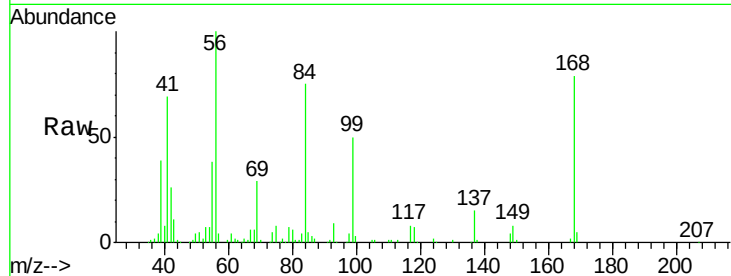
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	229955
Ion	Ratio	Lower	Upper
56	100		
69	29.4	26.2	39.2
84	73.6	59.8	89.8

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#32

1,1,1-Trichloroethane

Concen: 47.551 ug/l

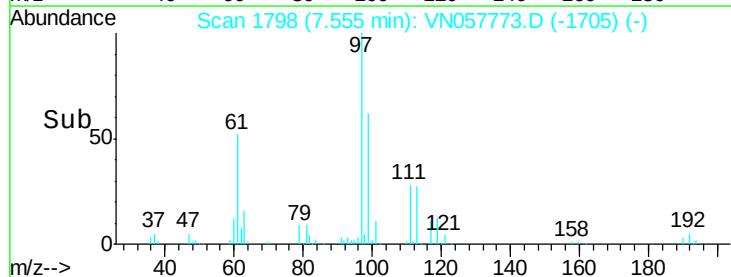
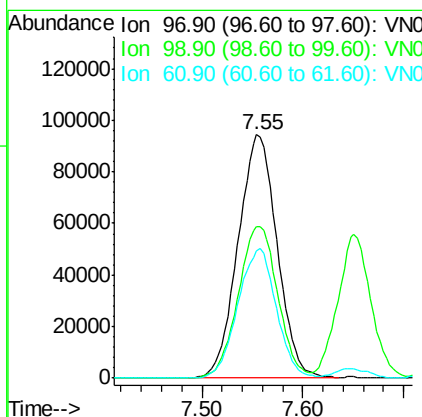
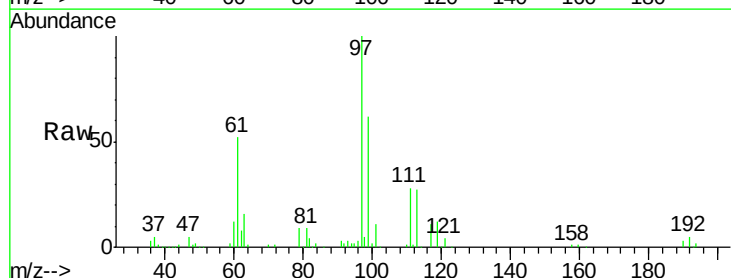
RT: 7.55 min Scan# 1798

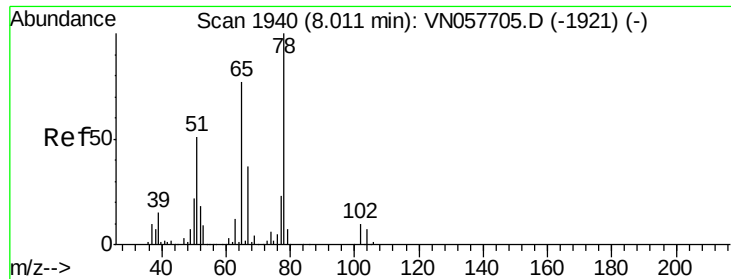
Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	97	Resp:	253580
Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.2	76.8
61	52.4	42.8	64.2





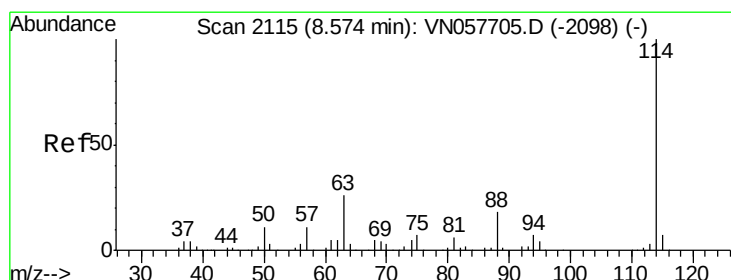
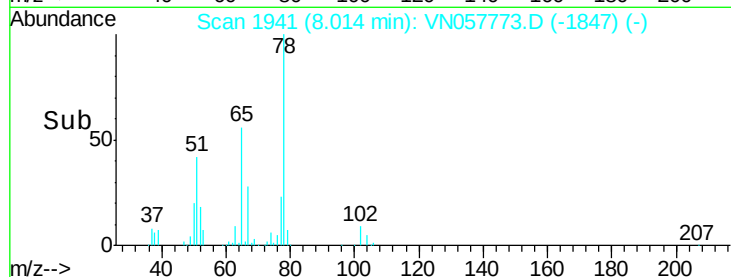
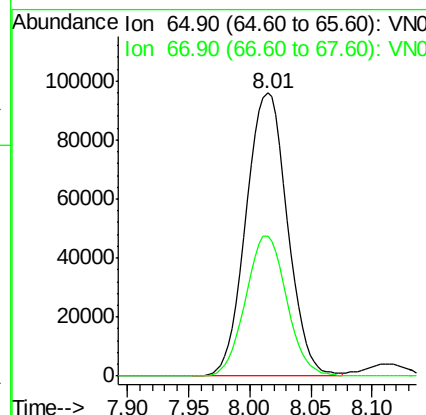
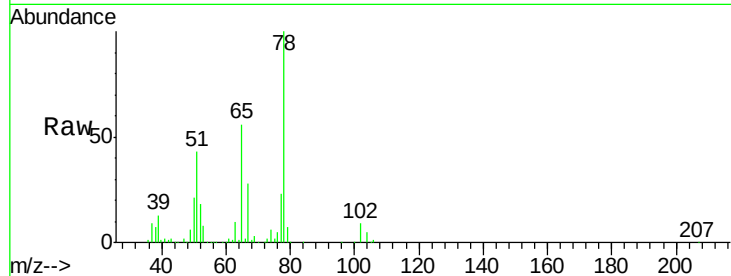
#33
 1,2-Dichloroethane-d4
 Concen: 46.359 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	225572		
67	49.0	0.0	98.2	

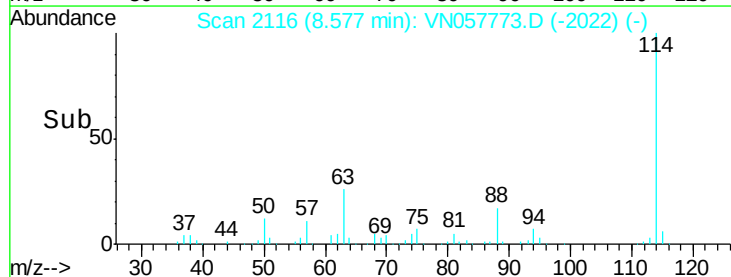
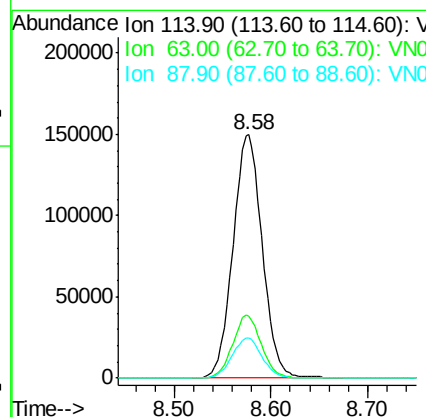
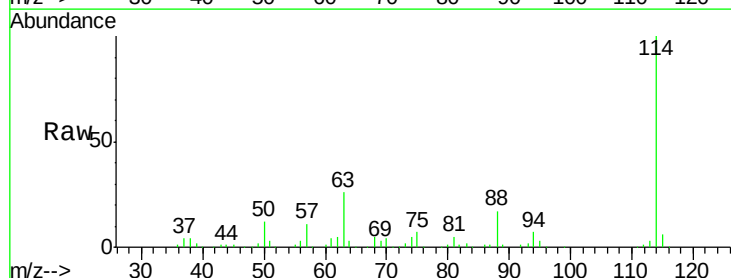
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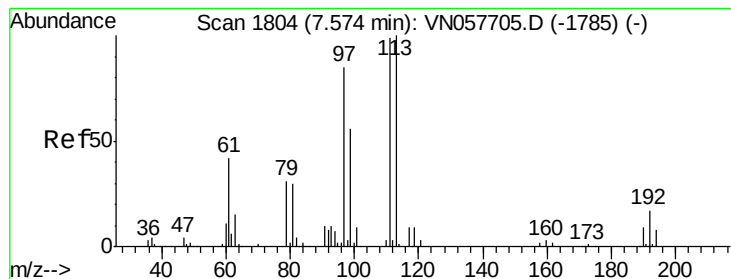
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	314201		
63	25.6	0.0	52.4	
88	16.6	0.0	35.4	





#35

Dibromofluoromethane

Concen: 51.900 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

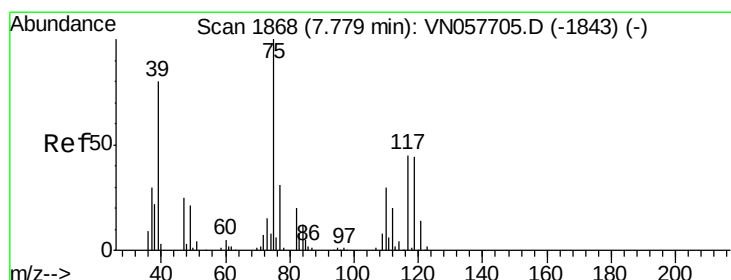
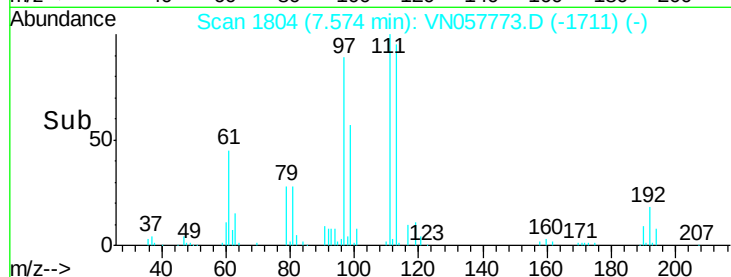
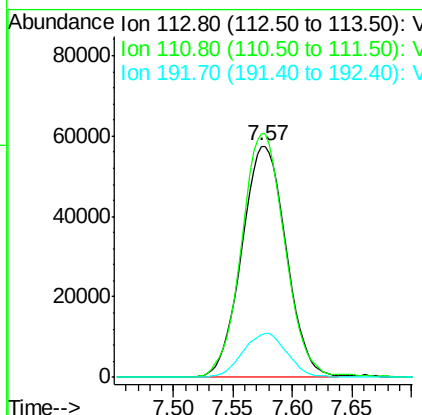
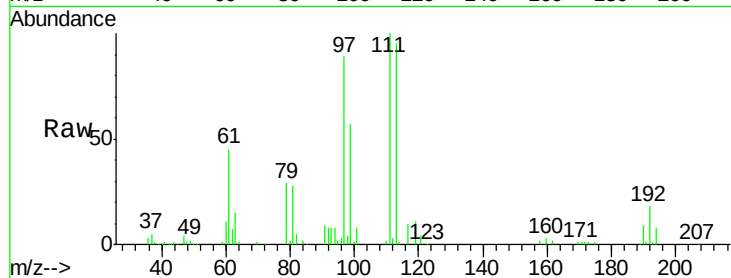
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	148532
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.7	124.1
192	18.9	13.8	20.6

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#36

1,1-Dichloropropene

Concen: 47.486 ug/l

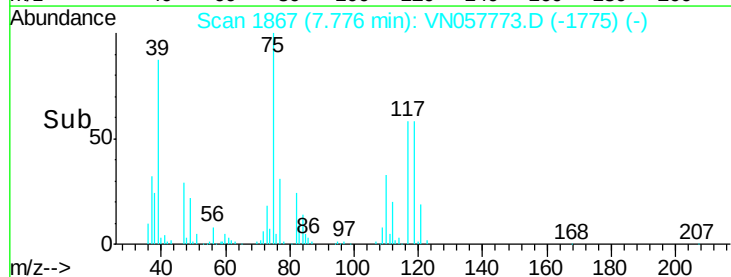
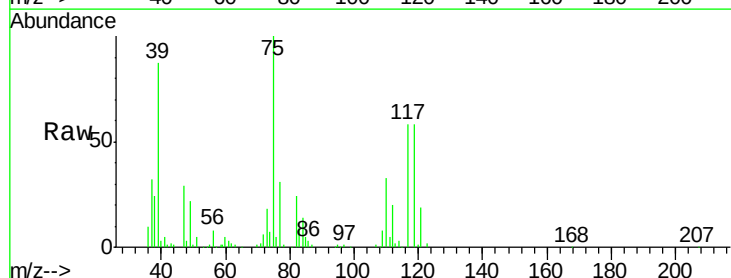
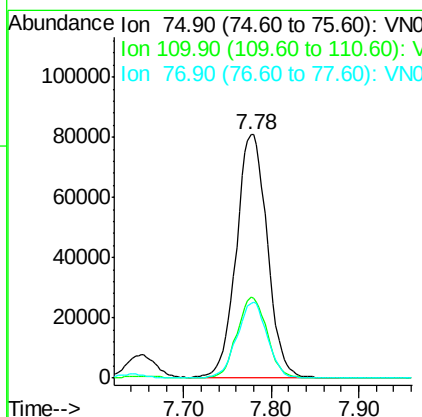
RT: 7.78 min Scan# 1867

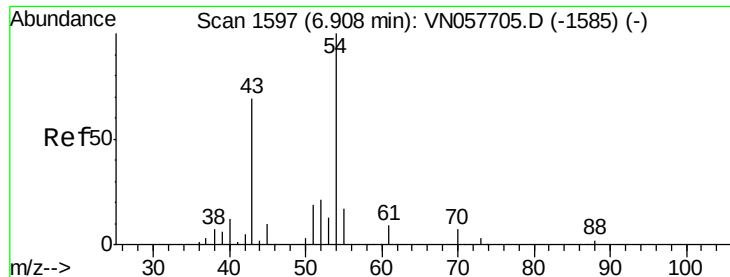
Delta R.T. -0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	75	Resp:	198490
Ion Ratio	Lower	Upper	
75	100		
110	32.5	15.0	45.0
77	30.6	24.6	37.0





#37

Ethyl Acetate

Concen: 52.507 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

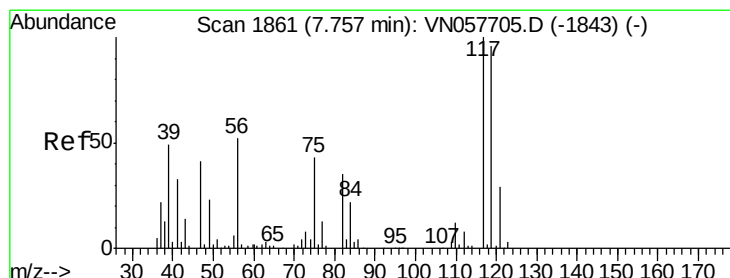
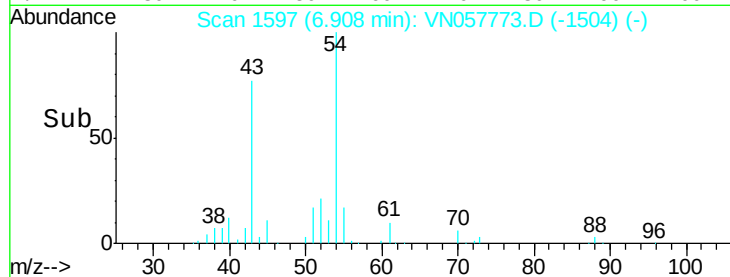
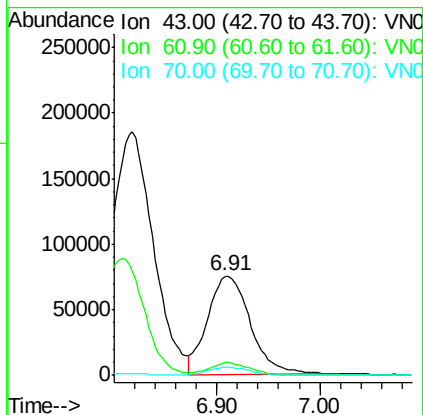
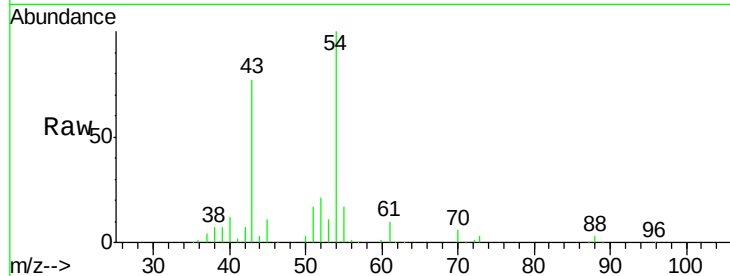
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	217890
Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.8	14.8
70	8.2	6.7	10.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.881 ug/l

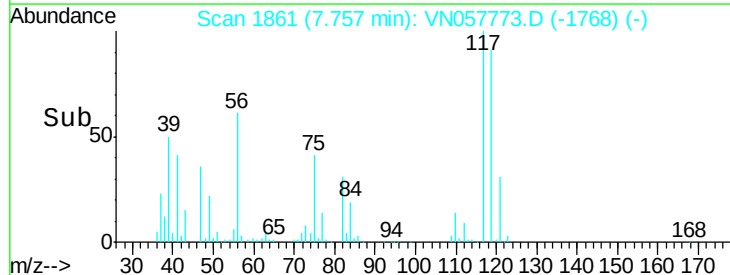
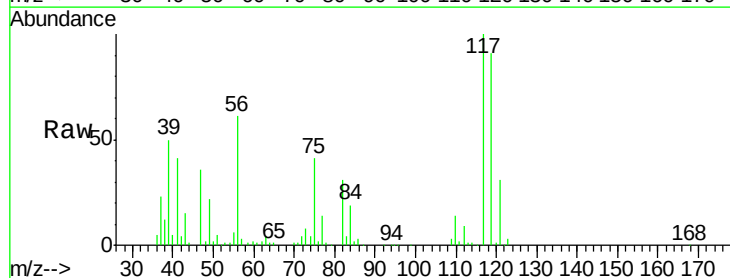
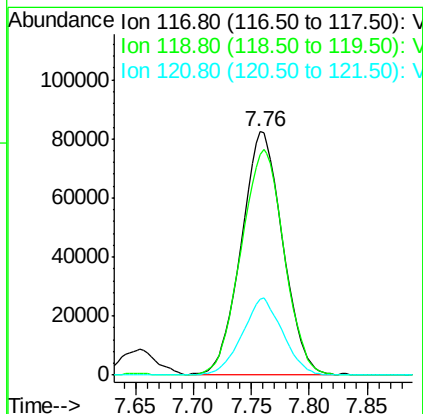
RT: 7.76 min Scan# 1861

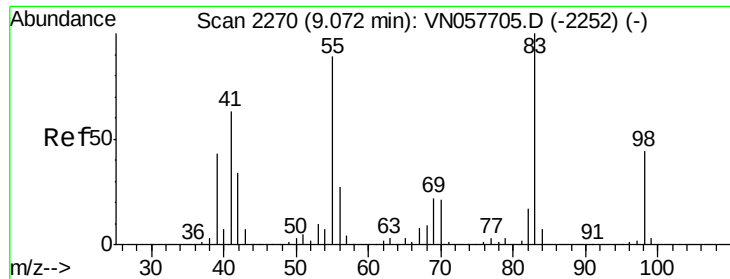
Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	117	Resp:	203646
Ion	Ratio	Lower	Upper
117	100		
119	90.9	76.1	114.1
121	31.4	23.4	35.2





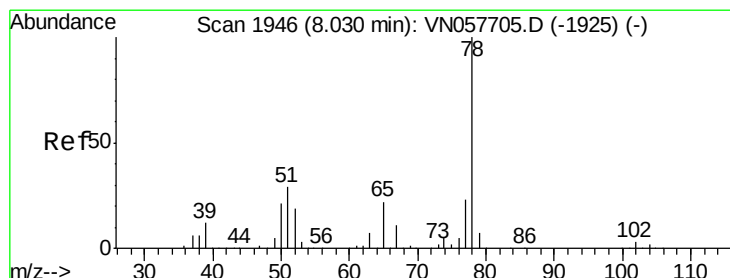
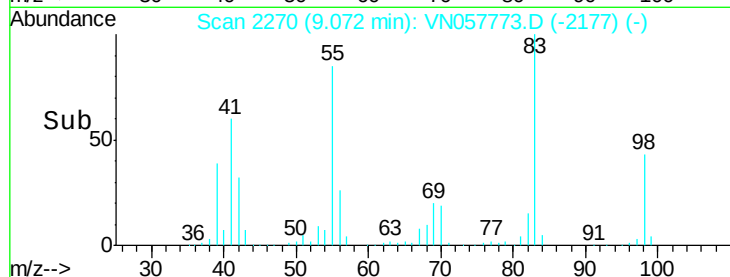
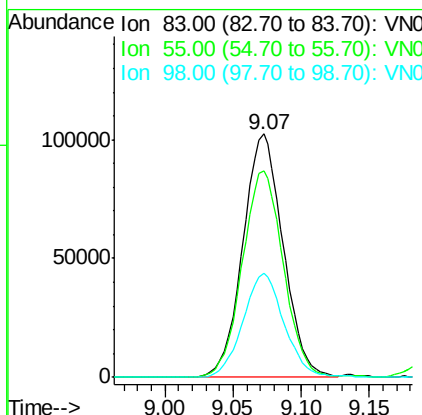
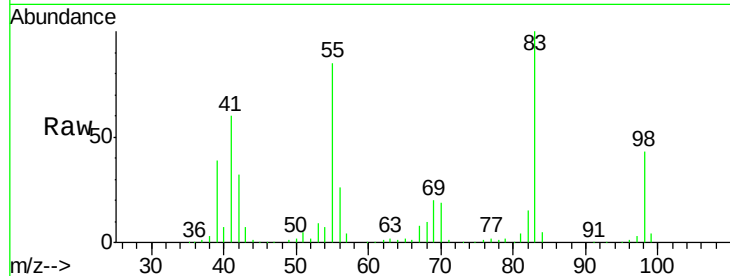
#39
Methylvlcyclohexane
Concen: 47.501 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	210016		
55	84.9		71.4	107.0
98	42.6		35.3	52.9

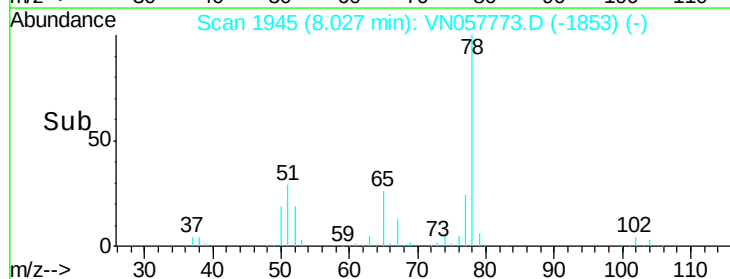
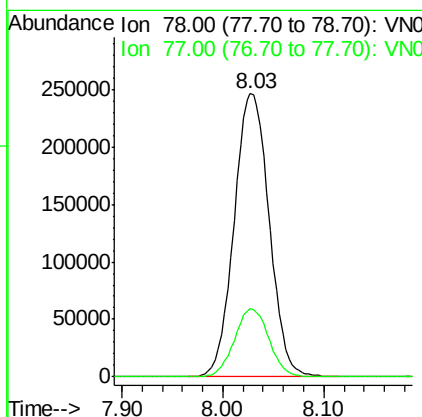
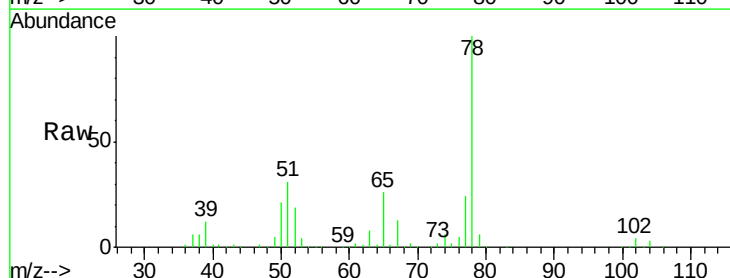
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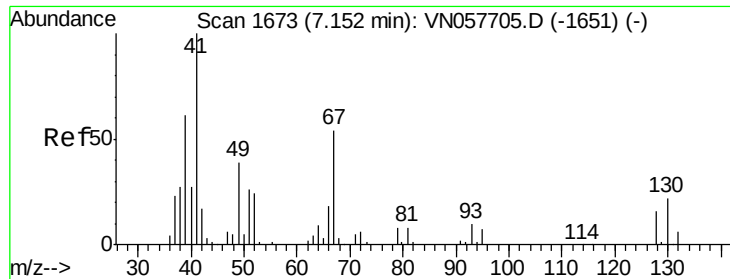
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#40
Benzene
Concen: 50.221 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	593756		
77	24.0		18.6	28.0





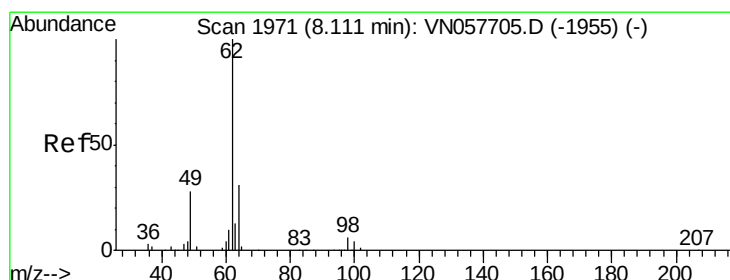
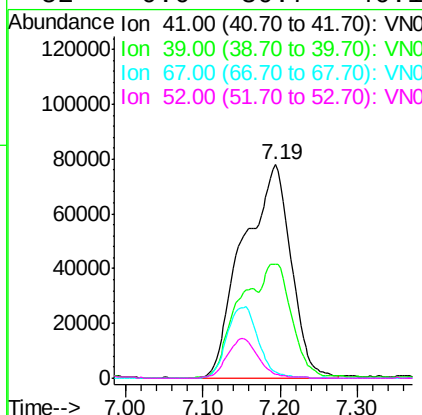
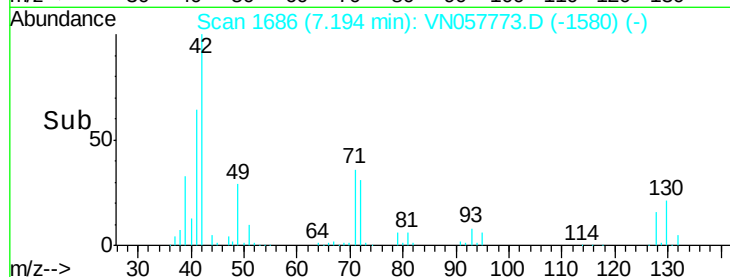
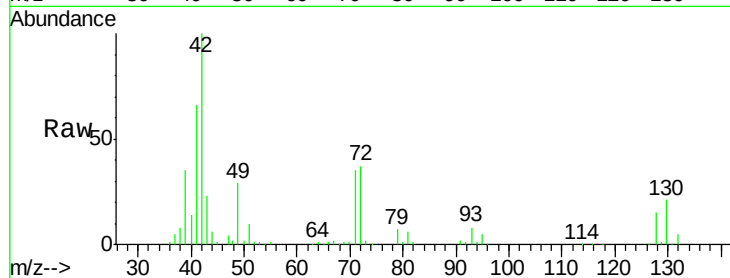
#41
Methacrylonitrile
Concen: 165.348 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

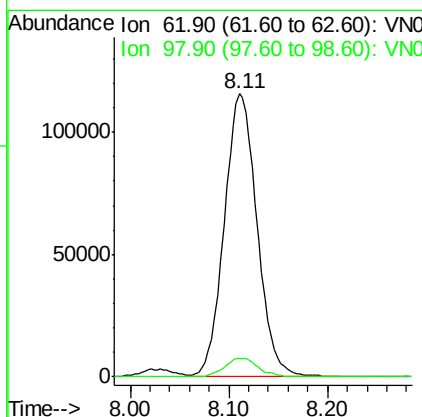
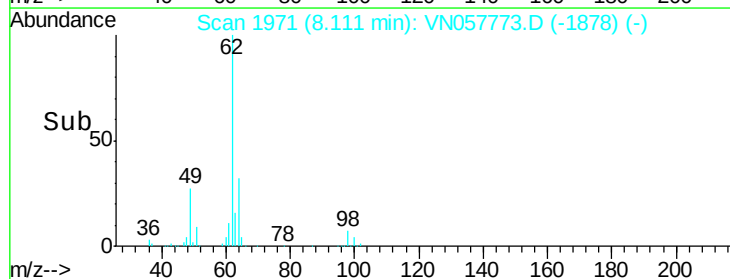
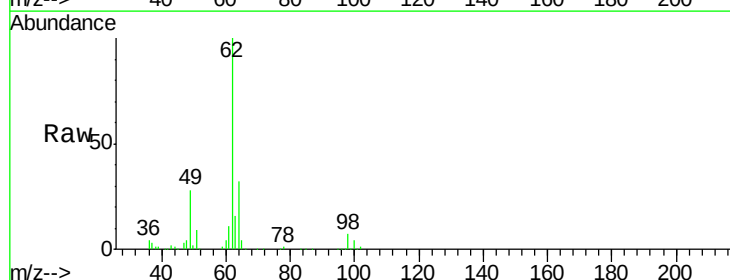
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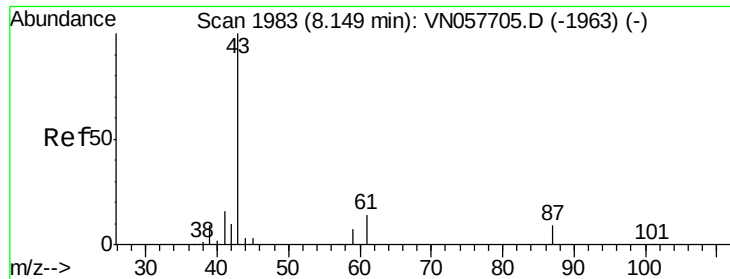
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.153 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	12.6





#43

Isopropyl Acetate

Concen: 49.345 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

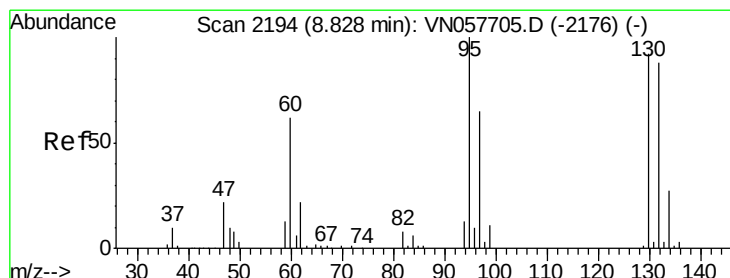
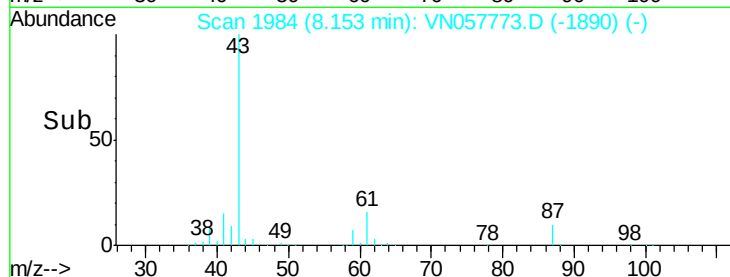
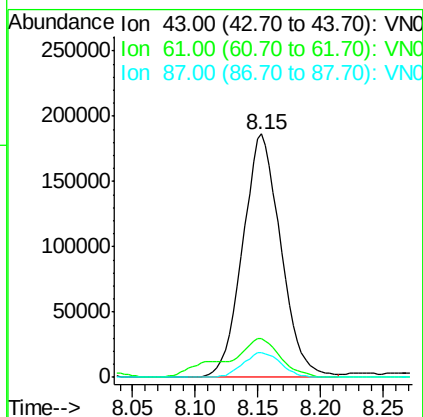
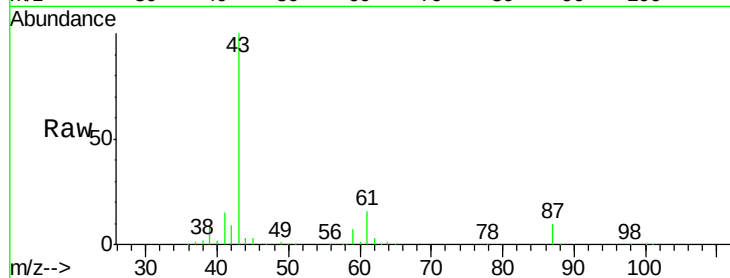
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	393041
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.8	19.2
87	10.4	7.8	11.8

Manual Integrations
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#44

Trichloroethene

Concen: 53.800 ug/l

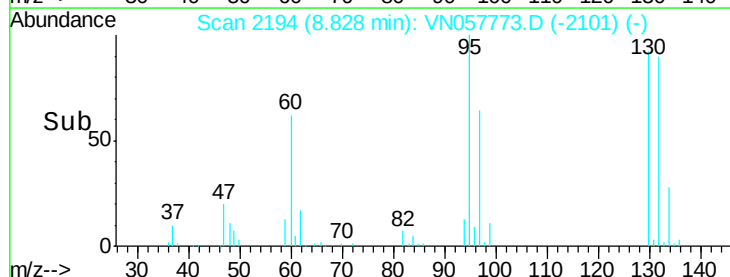
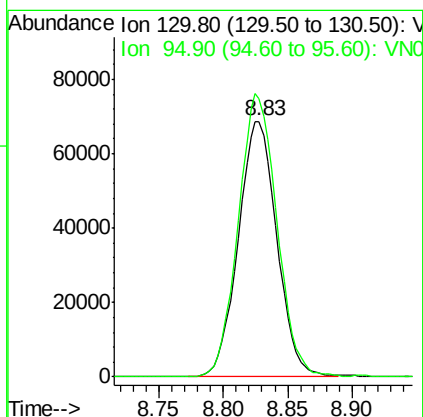
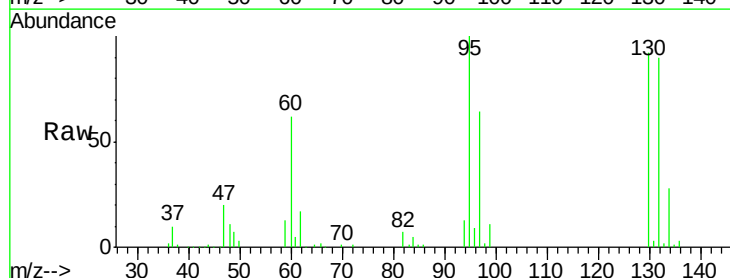
RT: 8.83 min Scan# 2194

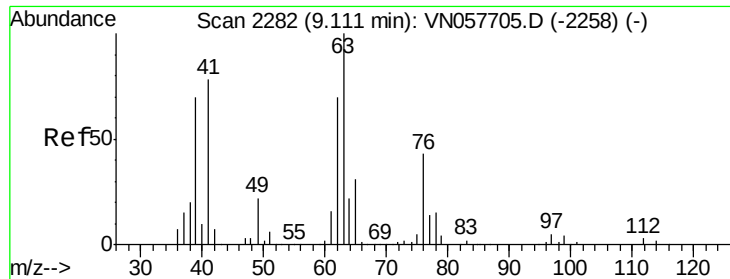
Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	130	Resp:	142959
Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	217.8





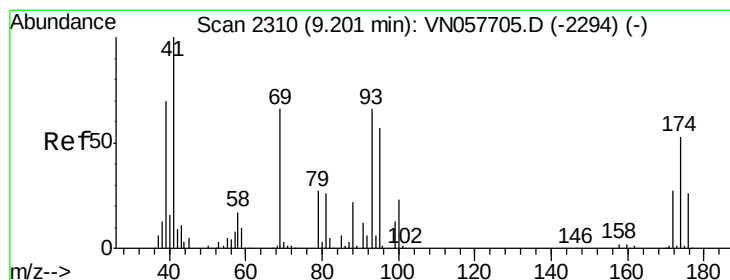
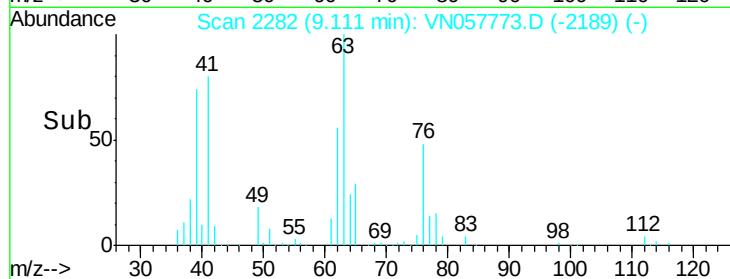
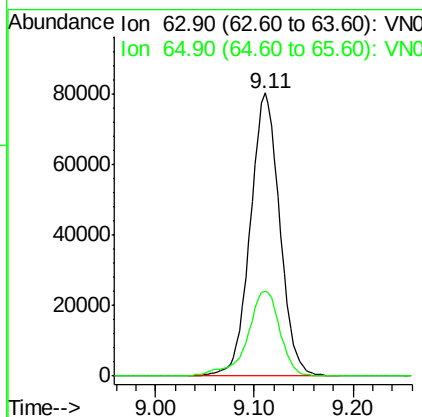
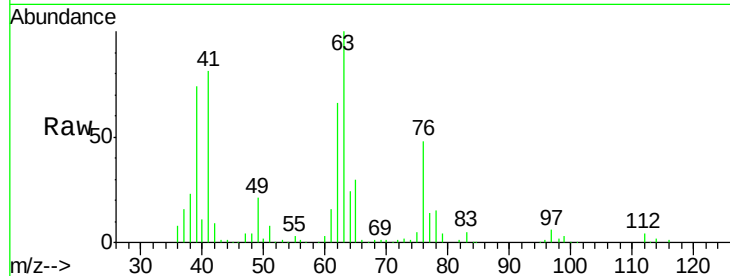
#45
 1,2-Dichloropropane
 Concen: 49.874 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 164915
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.5 36.7

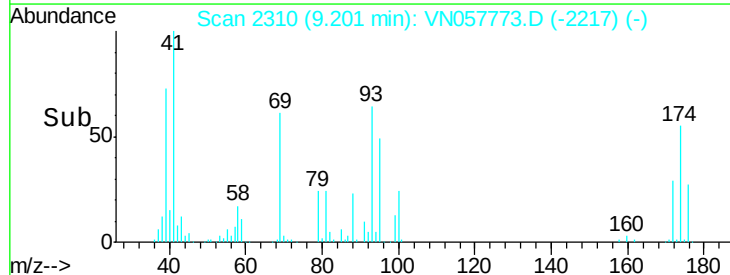
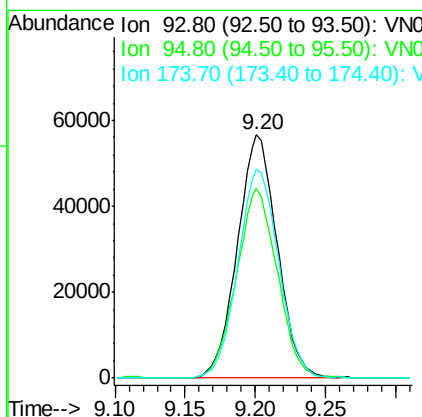
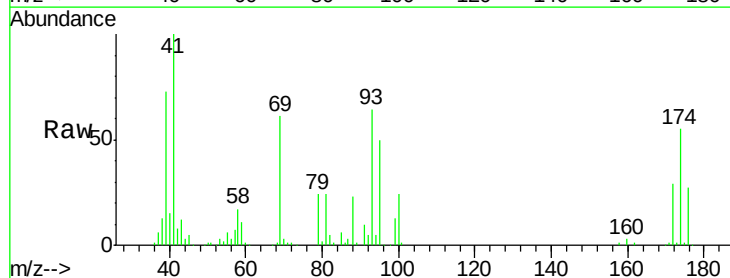
Manual Integrations
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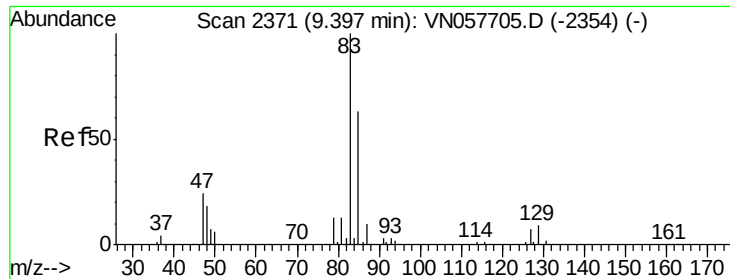
MMDadoda
 9/10/2019 3:02:45 PM



#46
 Dibromomethane
 Concen: 52.794 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Tgt Ion: 93 Resp: 111980
 Ion Ratio Lower Upper
 93 100
 95 80.0 66.1 99.1
 174 87.9 63.4 95.2





#47

Bromodichloromethane

Concen: 50.460 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

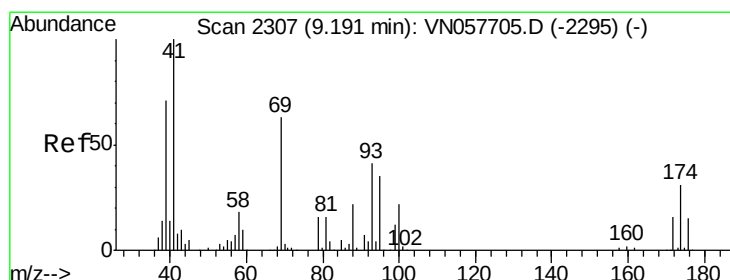
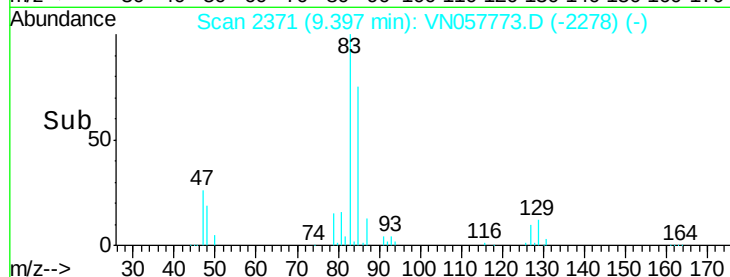
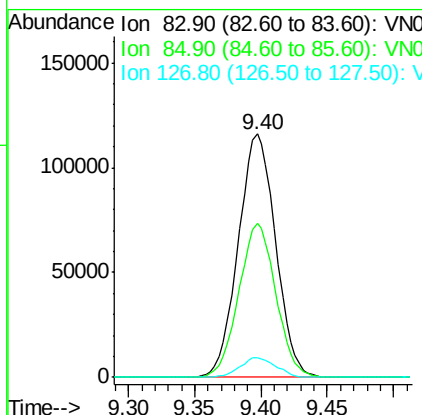
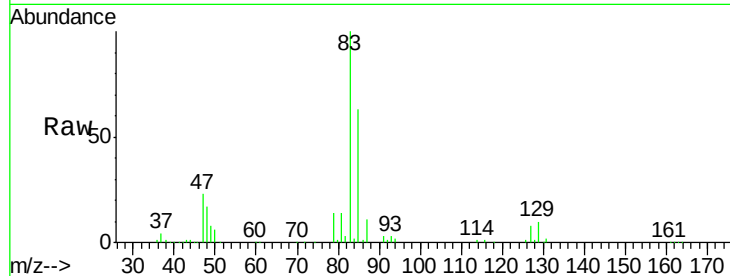
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	227458
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.7	76.1
127	8.2	5.6	8.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.849 ug/l

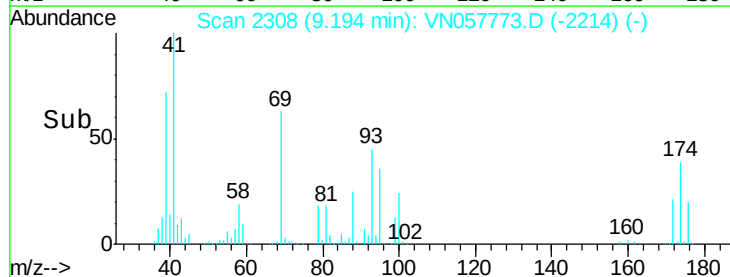
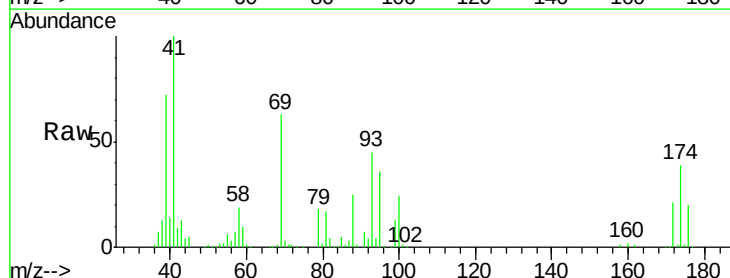
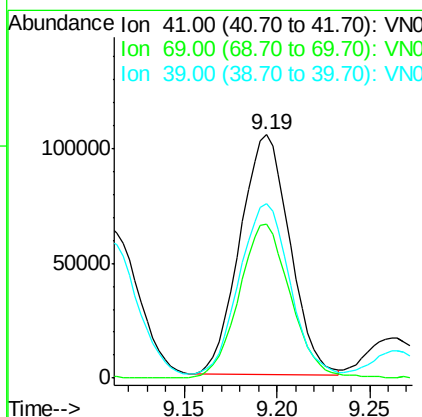
RT: 9.19 min Scan# 2308

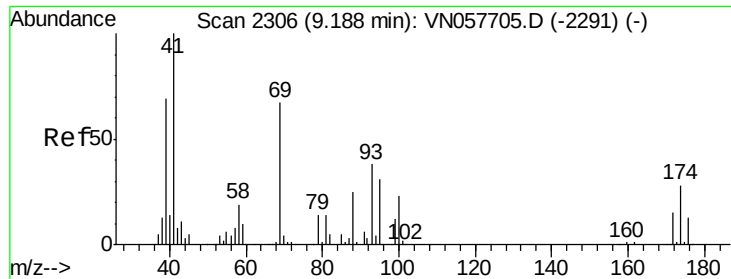
Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	41	Resp:	196012
Ion Ratio	Lower	Upper	
41	100		
69	66.1	51.2	76.8
39	74.6	57.3	85.9





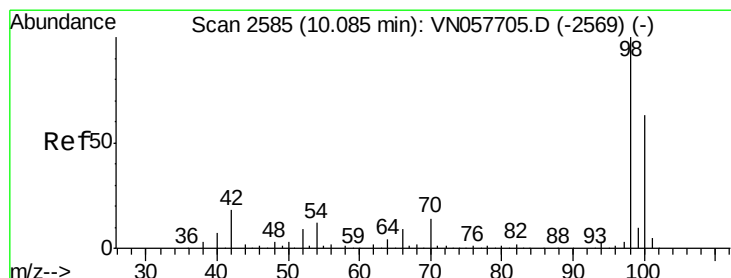
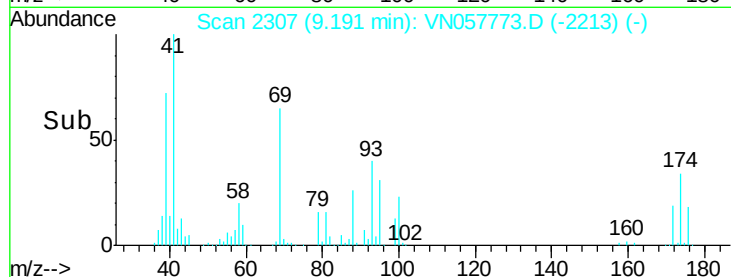
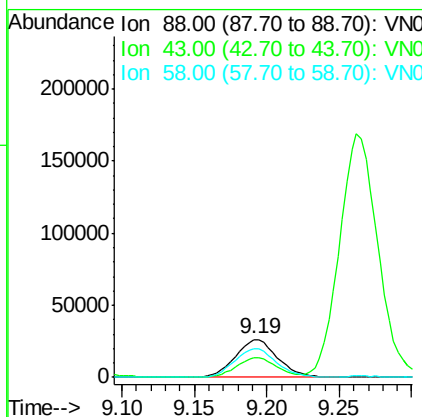
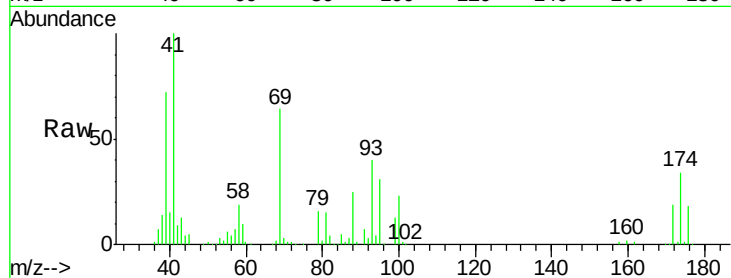
#49
1,4-Dioxane
Concen: 1107.225 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.6	35.4	53.2
58	76.1	61.5	92.3

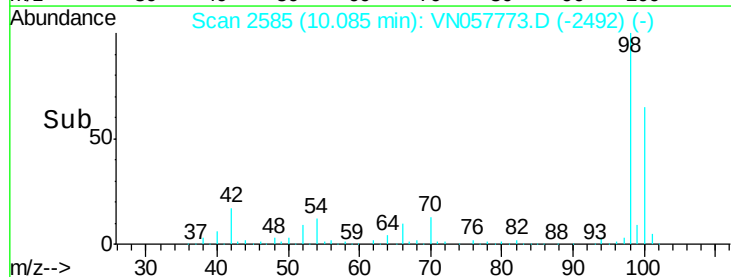
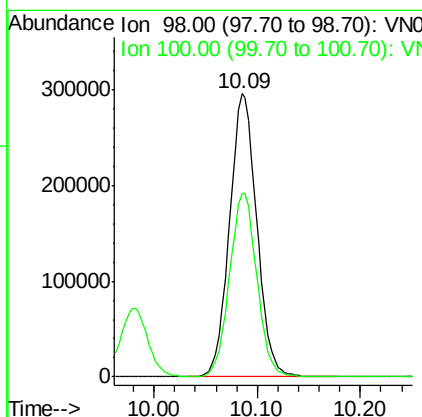
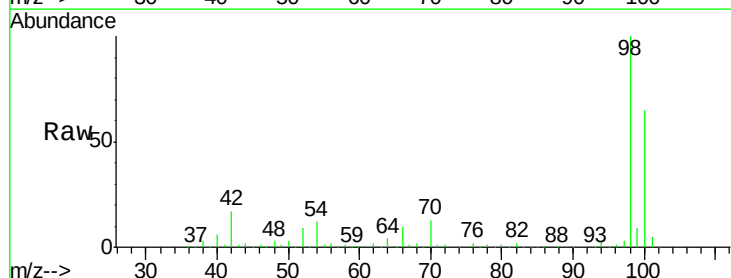
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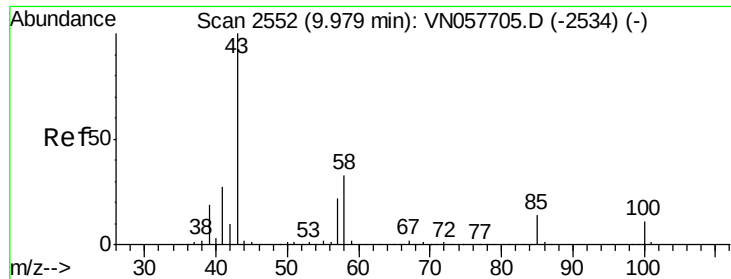
MMDadoda
9/10/2019 3:02:45 PM



#50
Toluene-d8
Concen: 51.449 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 270.378 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1196026

Ion Ratio Lower Upper

43 100

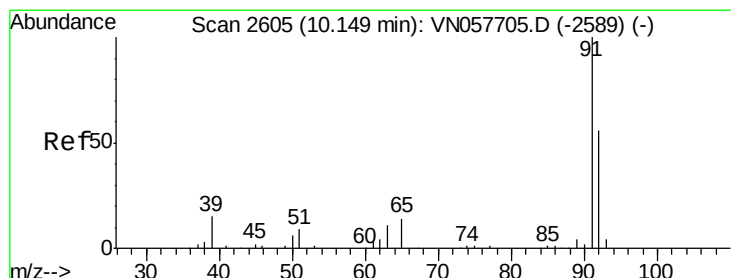
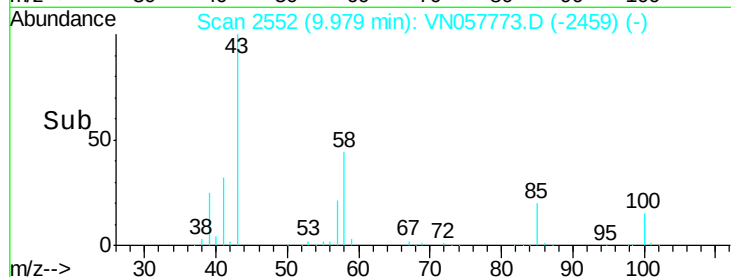
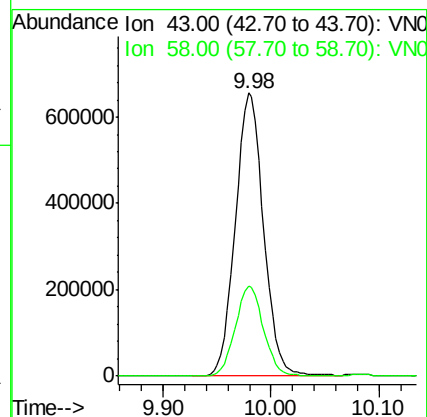
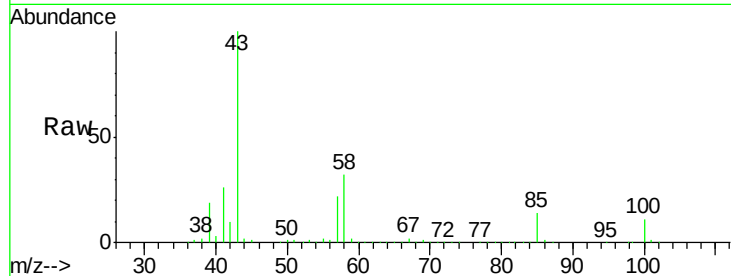
58 31.8 25.8 38.8

Manual Integrations

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#52

Toluene

Concen: 51.231 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057773.D

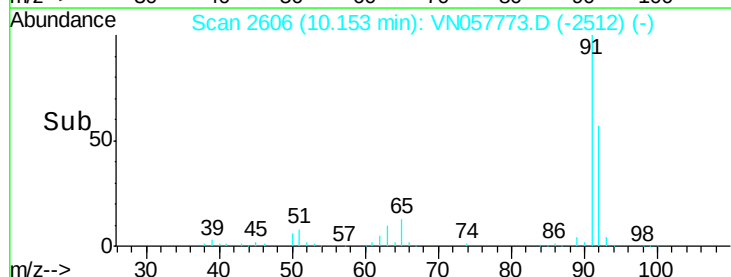
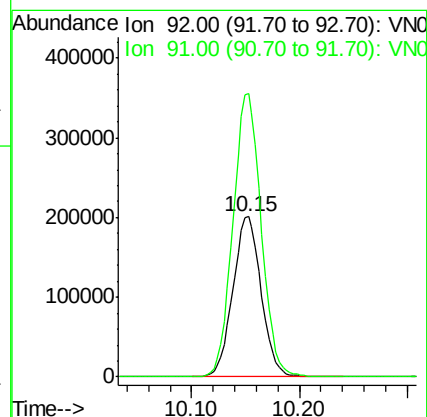
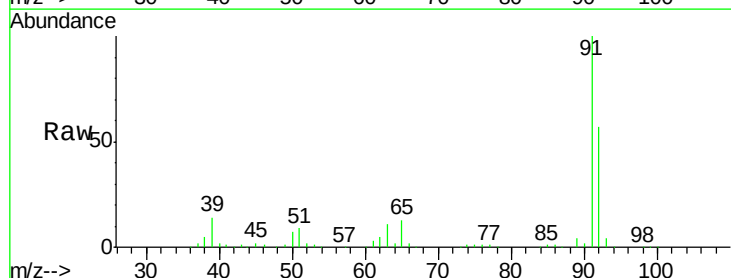
Acq: 7 Sep 2019 23:11

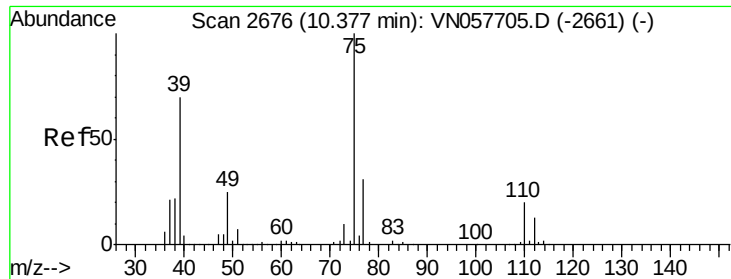
Tgt Ion: 92 Resp: 367113

Ion Ratio Lower Upper

92 100

91 176.8 141.5 212.3





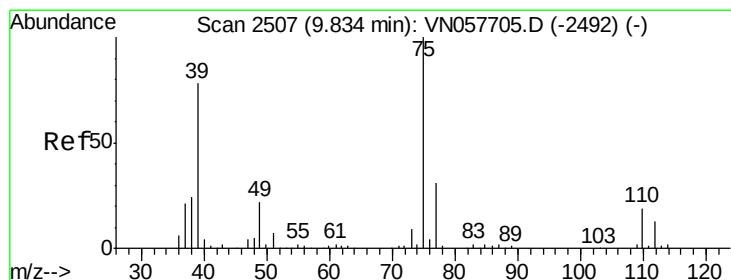
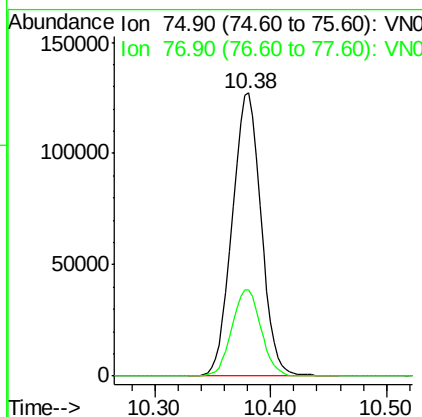
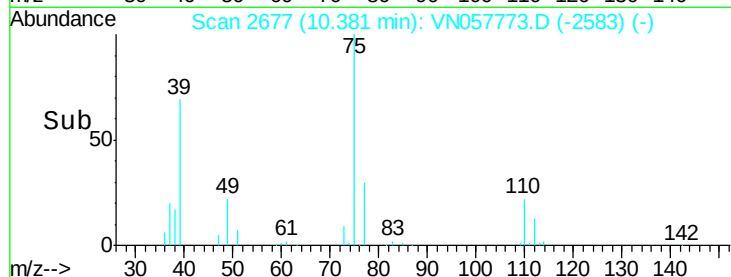
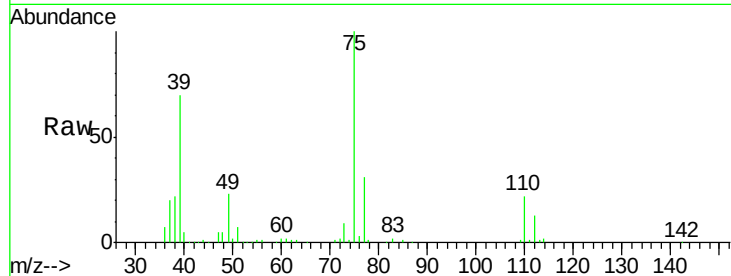
#53
t-1,3-Dichloropropene
Concen: 48.361 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 218706
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7

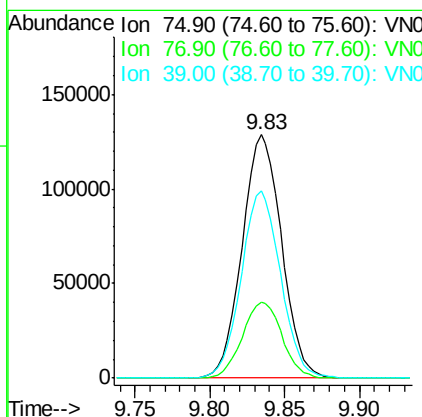
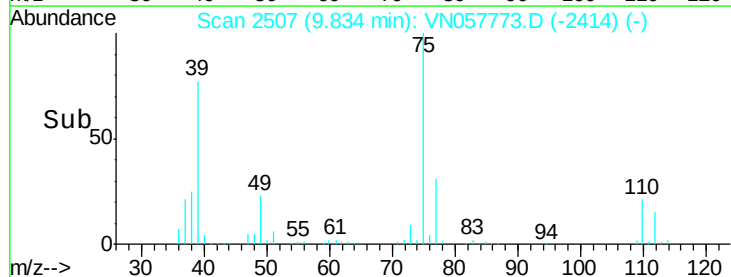
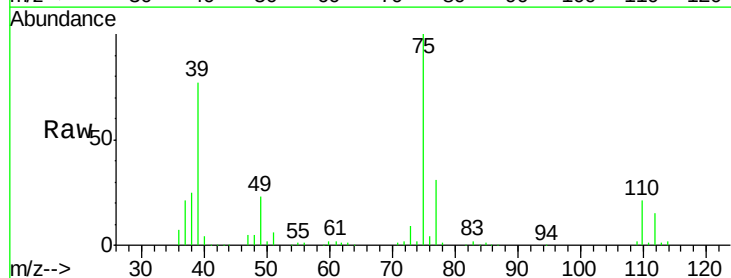
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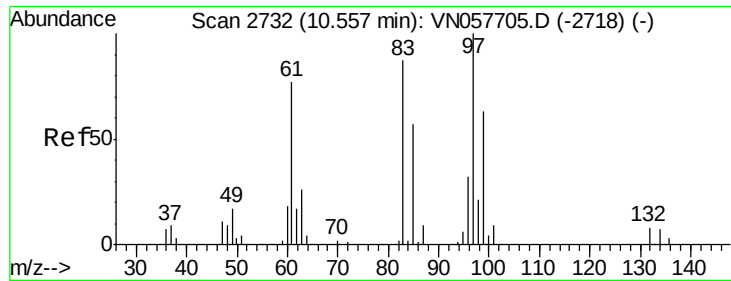
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.409 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion: 75 Resp: 236525
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 76.6 62.4 93.6





#55

1,1,2-Trichloroethane

Concen: 51.611 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

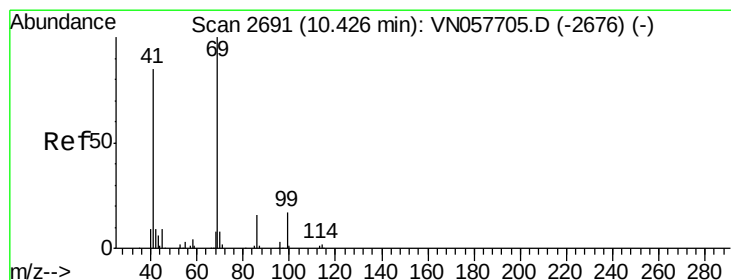
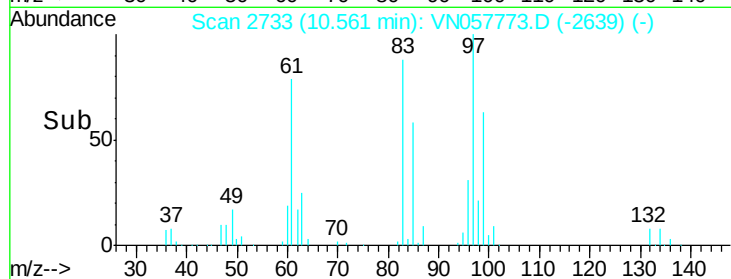
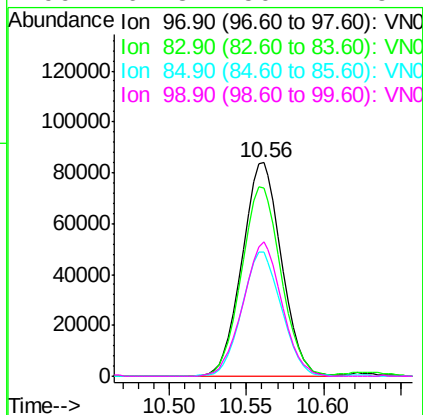
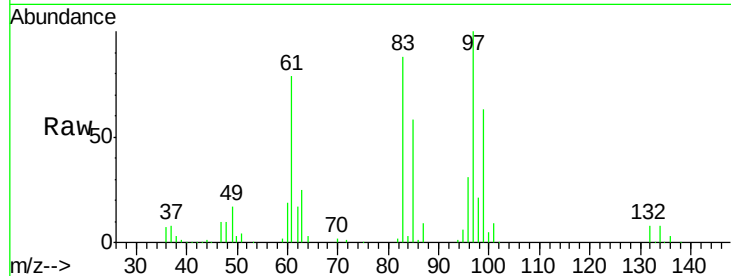
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	148833
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.5	104.3
85	58.1	45.7	68.5
99	62.8	50.2	75.4

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#56

Ethyl methacrylate

Concen: 51.817 ug/l

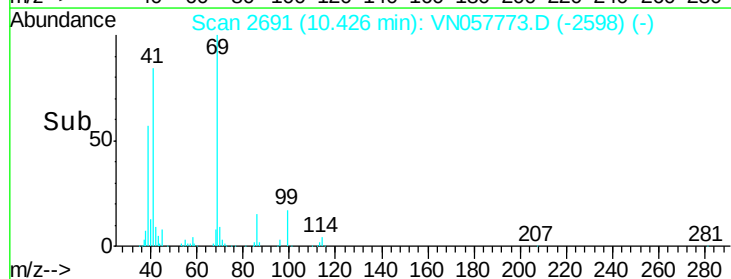
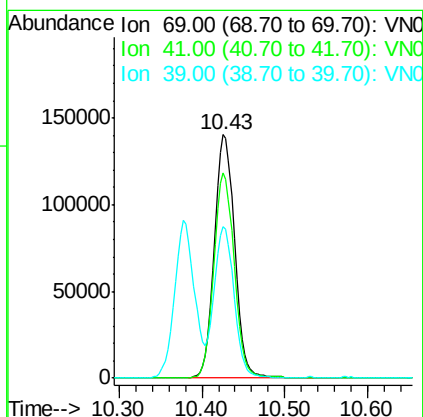
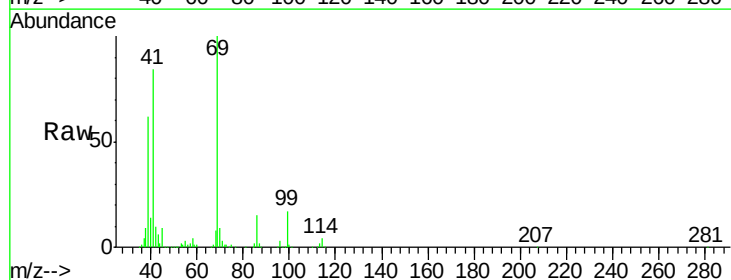
RT: 10.43 min Scan# 2691

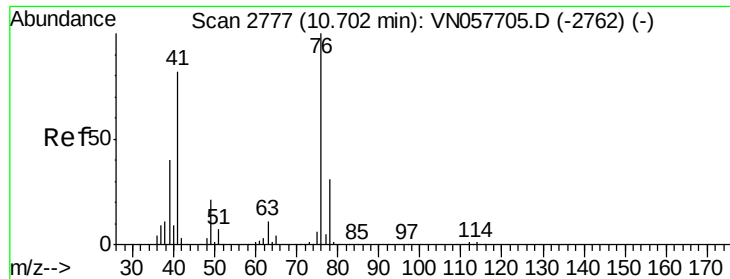
Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion:	69	Resp:	238507
Ion	Ratio	Lower	Upper
69	100		
41	83.2	69.0	103.4
39	60.5	49.2	73.8





#57

1,3-Dichloropropane

Concen: 50.350 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 260820

Ion Ratio Lower Upper

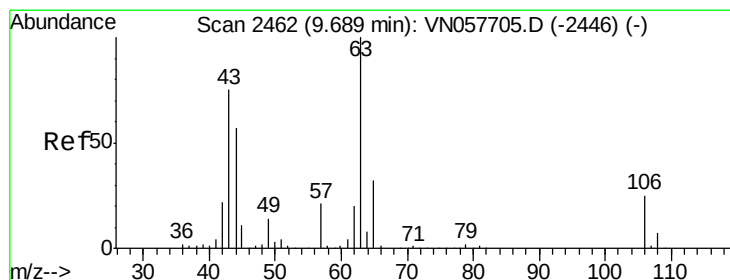
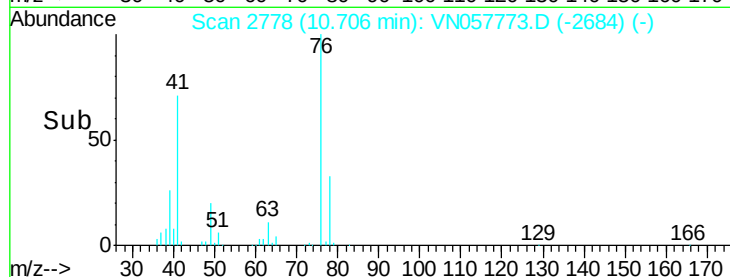
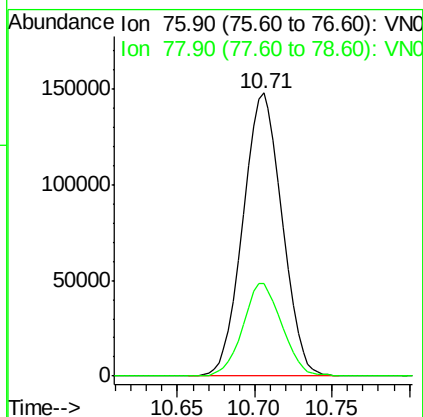
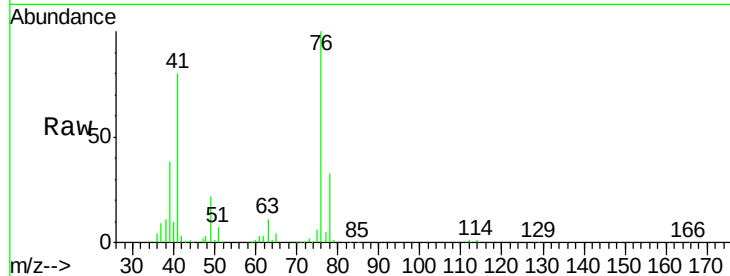
76 100

78 32.7 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 253.619 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057773.D

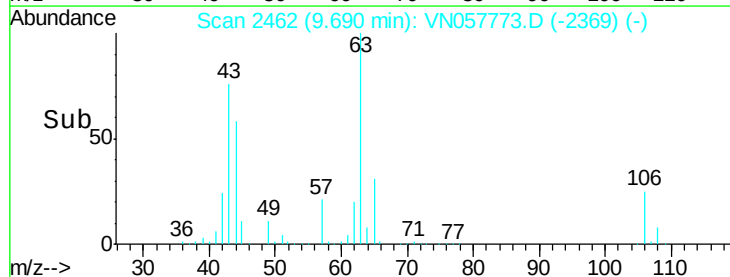
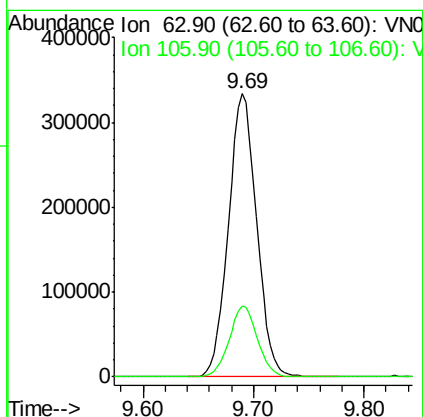
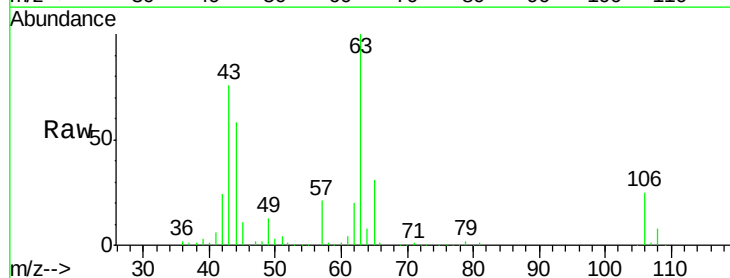
Acq: 7 Sep 2019 23:11

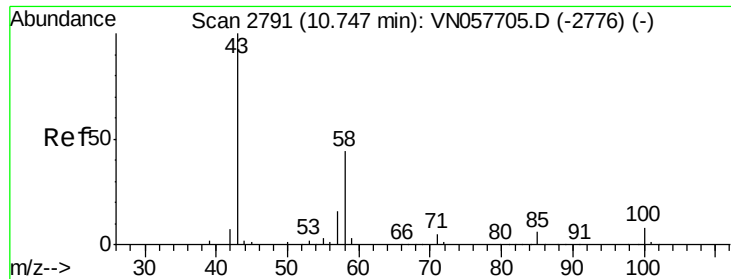
Tgt Ion: 63 Resp: 592252

Ion Ratio Lower Upper

63 100

106 24.9 19.4 29.2





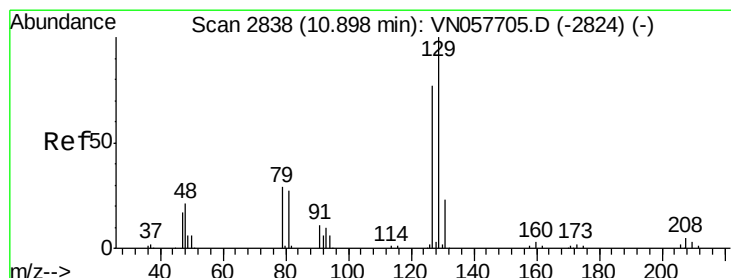
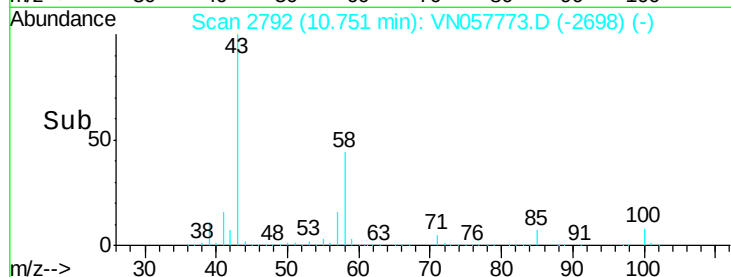
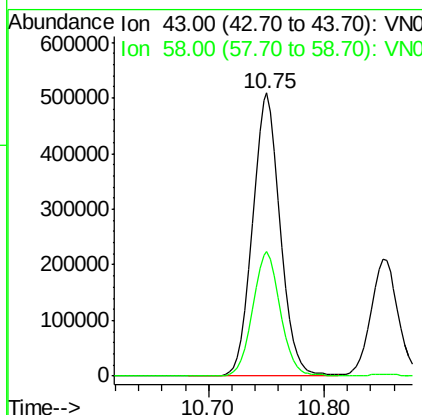
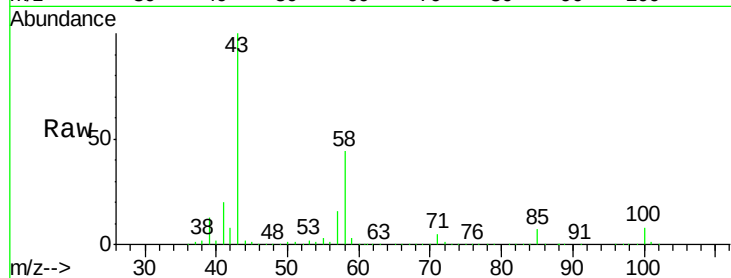
#59
2-Hexanone
Concen: 271.195 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Resp	Lower	Upper
845937	100	44.3		22.1	66.5

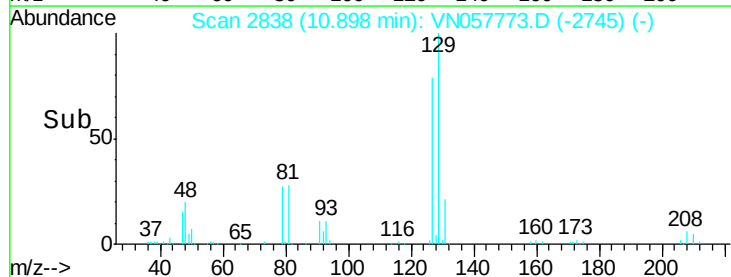
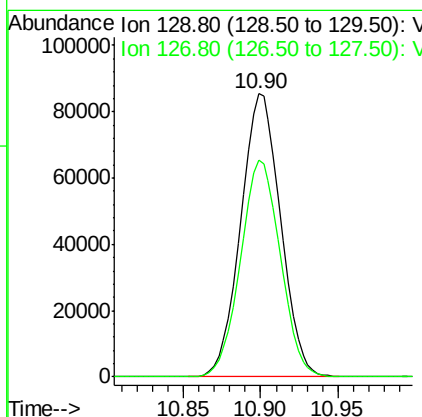
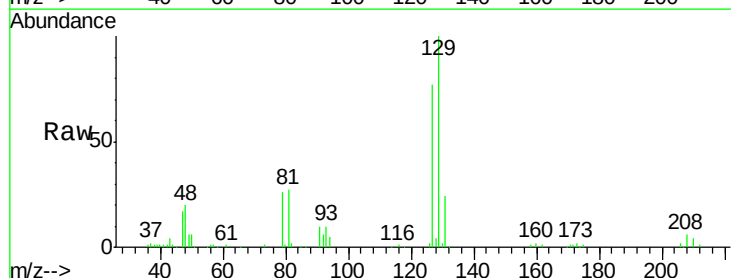
Manual Integrations
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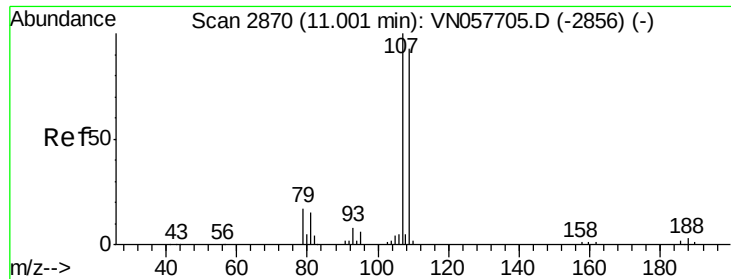
MMDadoda
9/10/2019 3:02:45 PM



#60
Dibromochloromethane
Concen: 49.263 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	129	127	Resp	Lower	Upper
153100	100	76.5		38.4	115.2





#61

1,2-Dibromoethane

Concen: 54.456 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 150761

Ion Ratio Lower Upper

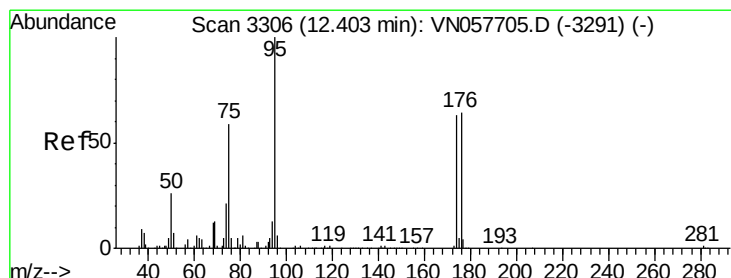
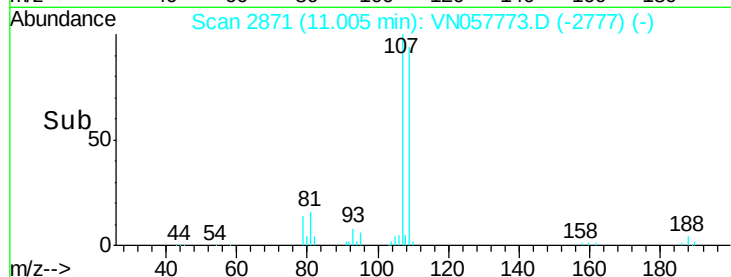
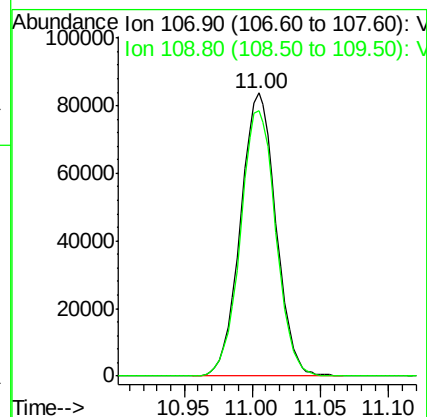
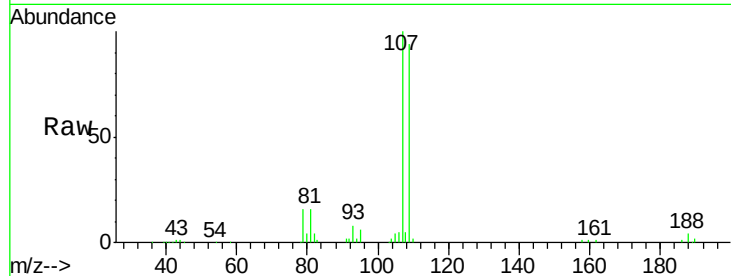
107 100

109 93.9 74.6 112.0

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#62

4-Bromofluorobenzene

Concen: 50.158 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

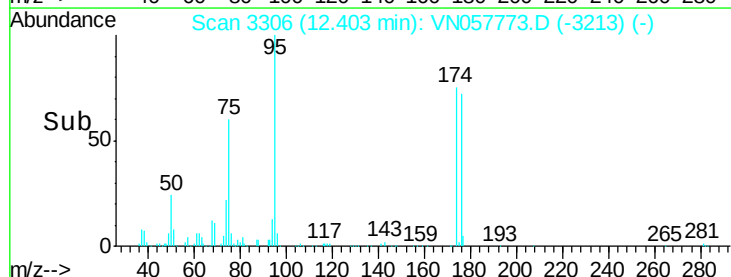
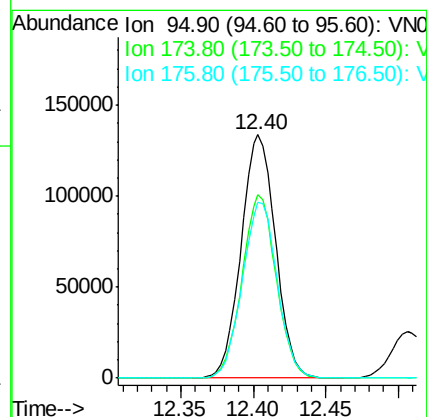
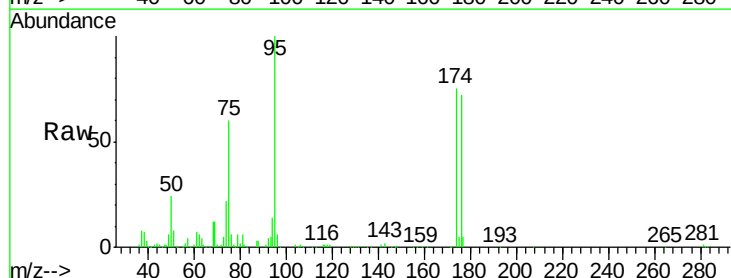
Tgt Ion: 95 Resp: 220557

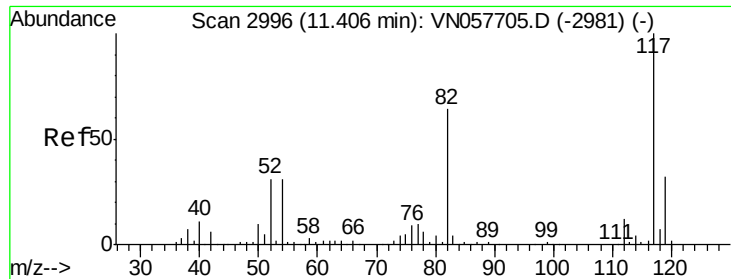
Ion Ratio Lower Upper

95 100

174 75.0 0.0 128.0

176 73.5 0.0 128.0





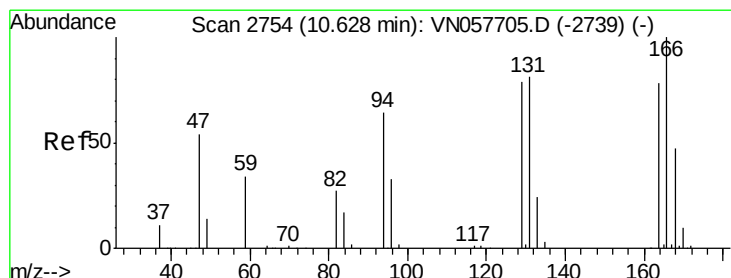
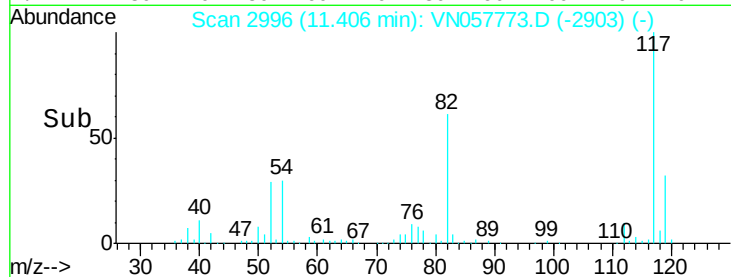
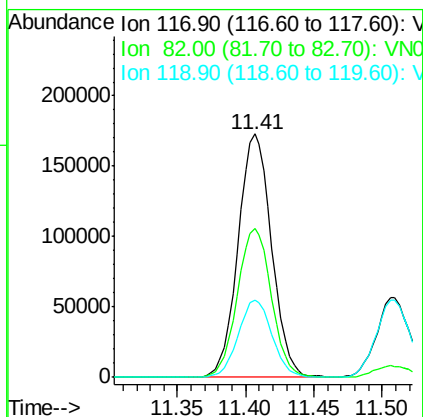
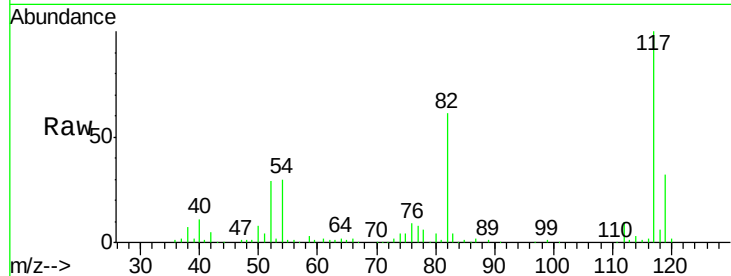
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	51.4	77.0
119	32.0	25.4	38.2

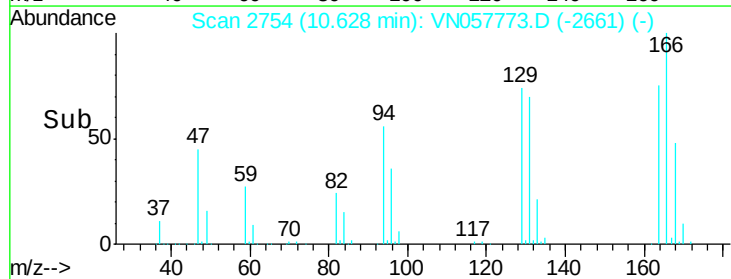
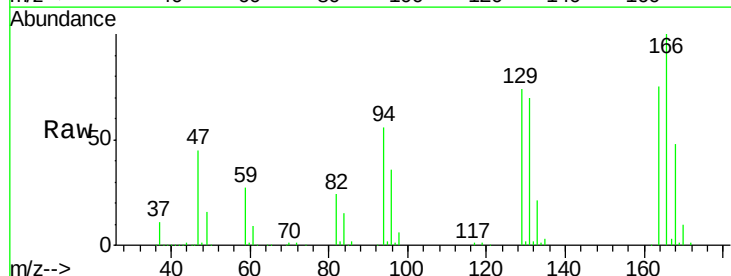
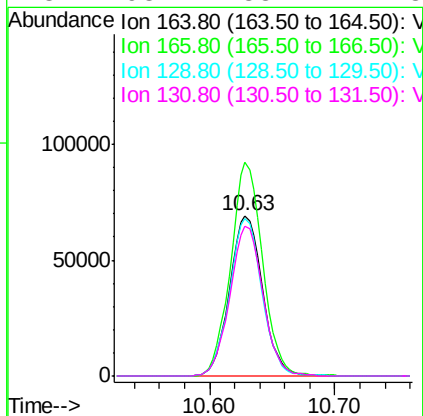
Manual Integrations
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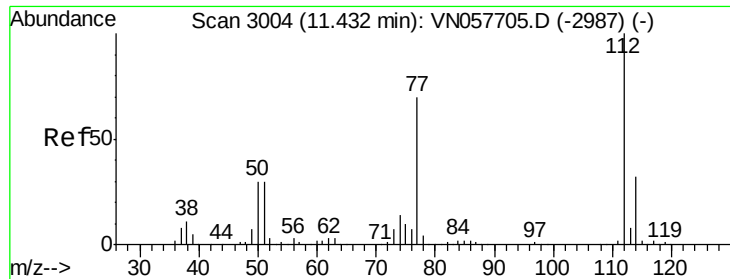
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#64
Tetrachloroethene
Concen: 54.727 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.1	103.0	154.6
129	98.2	81.1	121.7
131	93.2	83.2	124.8





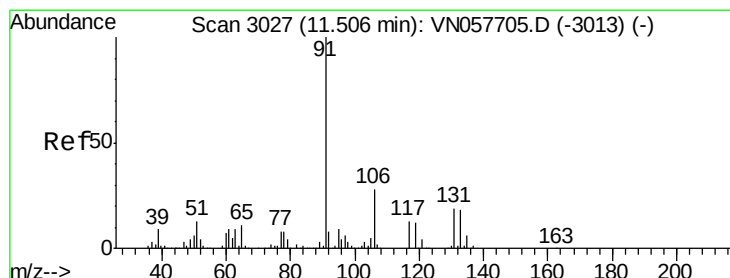
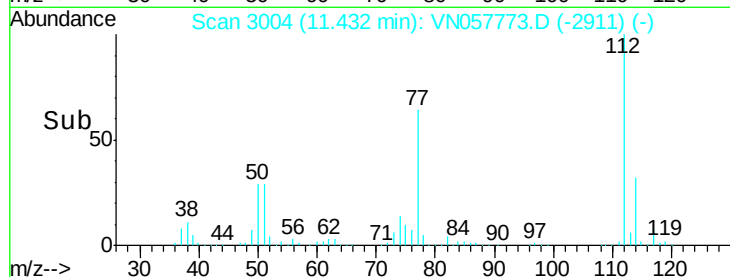
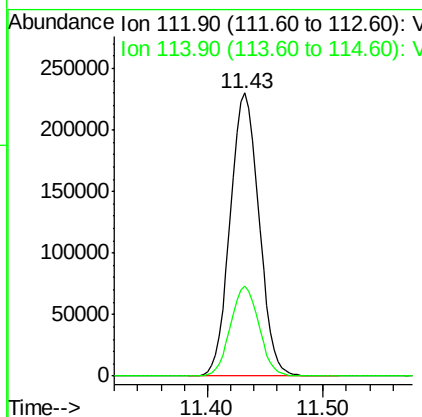
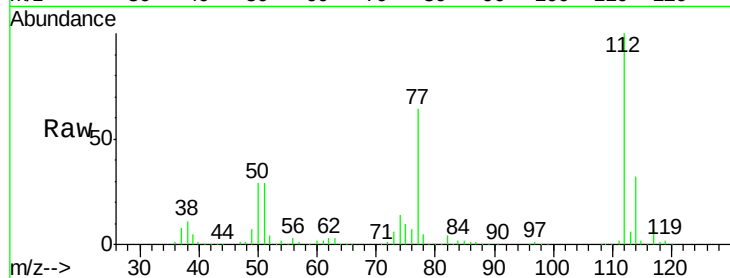
#65
Chlorobenzene
Concen: 51.505 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 396438
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

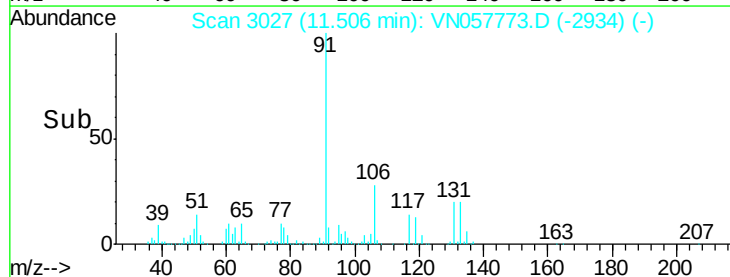
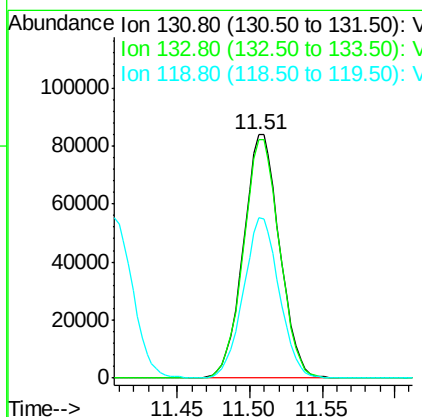
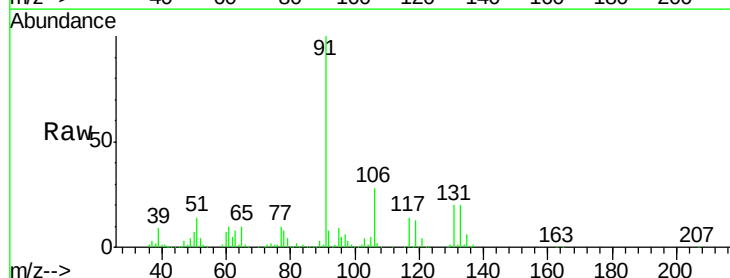
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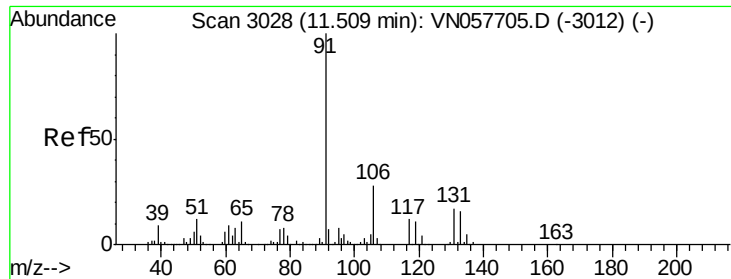
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.446 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion:131 Resp: 145820
Ion Ratio Lower Upper
131 100
133 97.7 47.6 142.9
119 65.2 32.8 98.3





#67

Ethyl Benzene

Concen: 50.474 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 749585

Ion Ratio Lower Upper

91 100

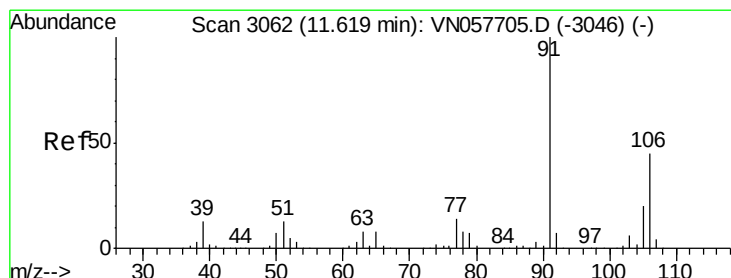
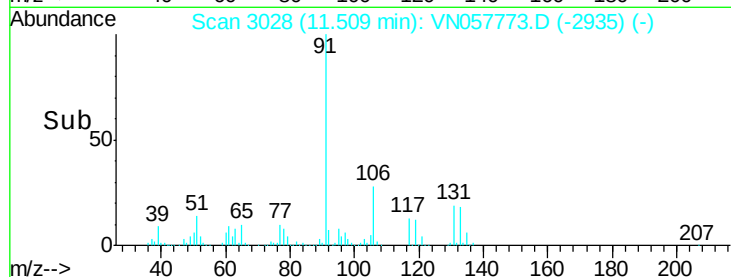
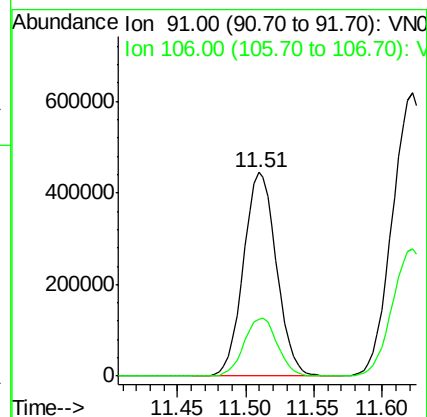
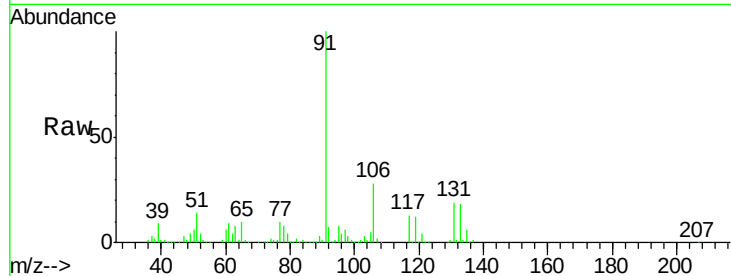
106 28.2 22.8 34.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.079 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057773.D

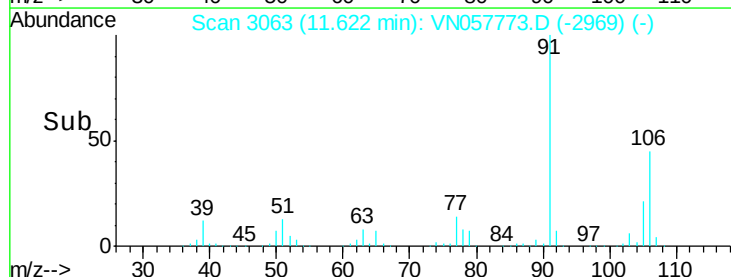
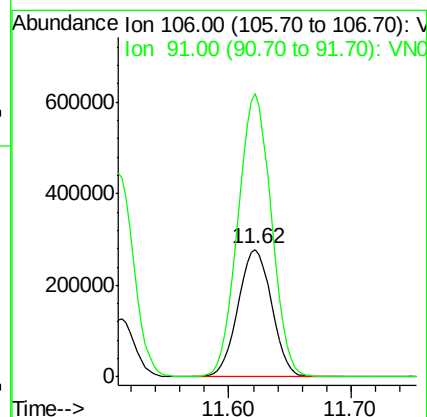
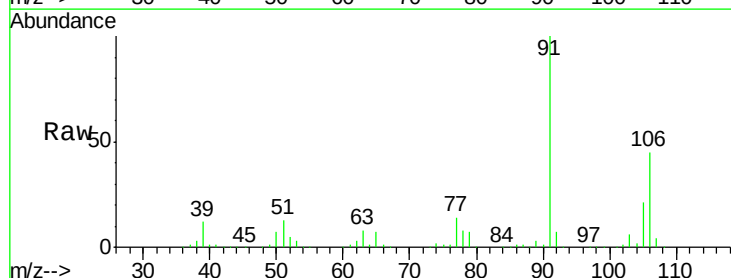
Acq: 7 Sep 2019 23:11

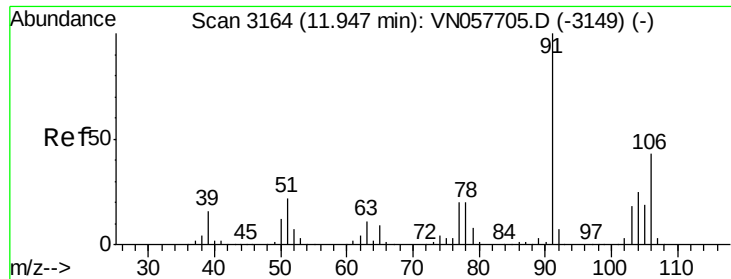
Tgt Ion: 106 Resp: 532371

Ion Ratio Lower Upper

106 100

91 220.5 179.8 269.8





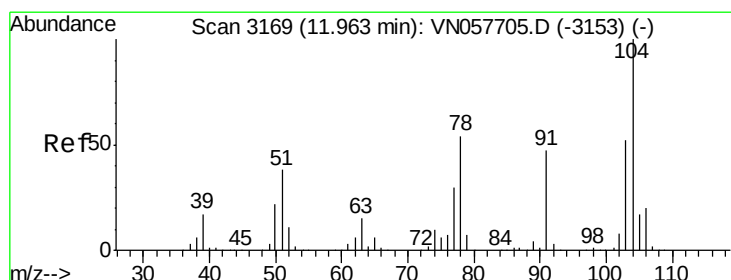
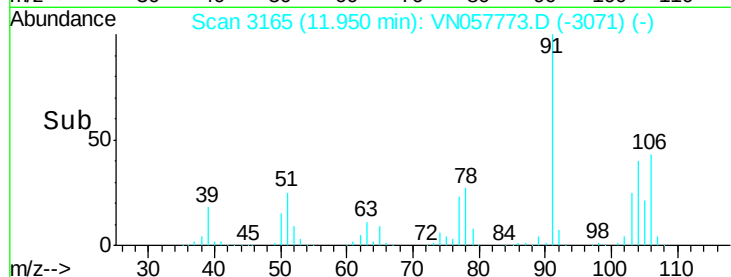
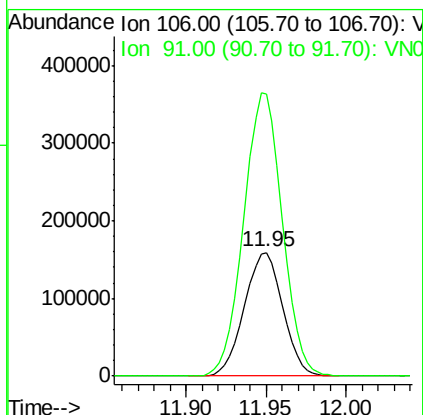
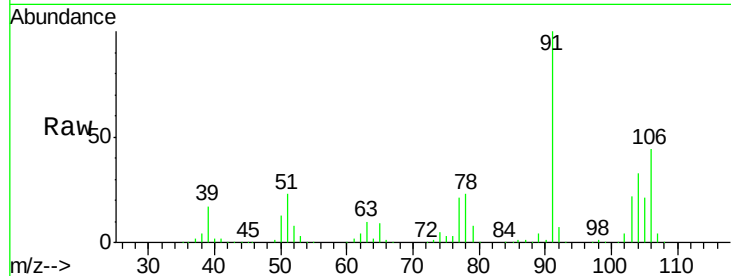
#69
o-Xylene
Concen: 51.673 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 261716
Ion Ratio Lower Upper
106 100
91 229.5 116.8 350.4

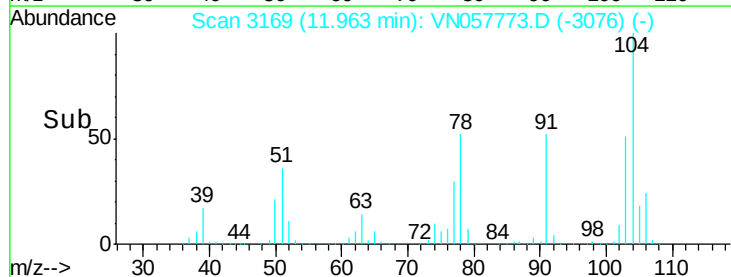
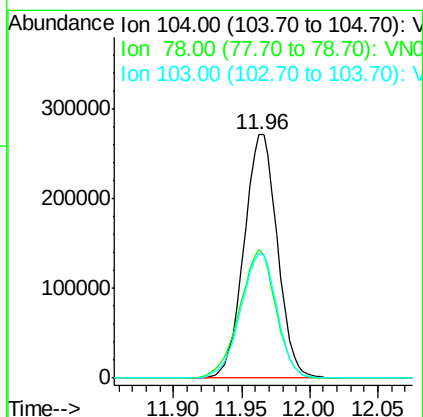
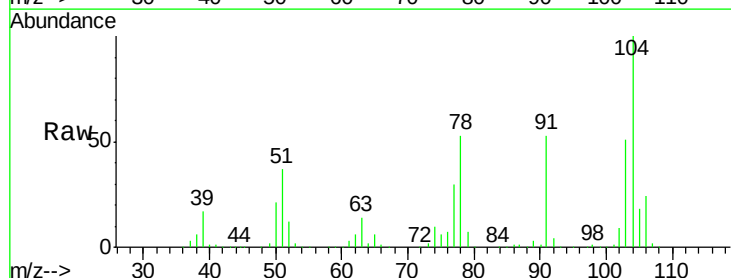
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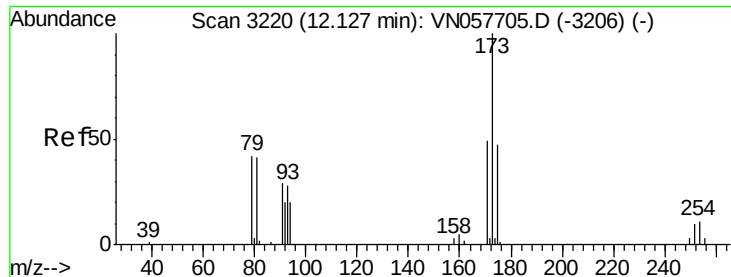
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#70
Styrene
Concen: 52.533 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion:104 Resp: 460385
Ion Ratio Lower Upper
104 100
78 57.3 48.5 72.7
103 55.9 45.0 67.4





#71

Bromoform

Concen: 50.553 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 101249

Ion Ratio Lower Upper

173 100

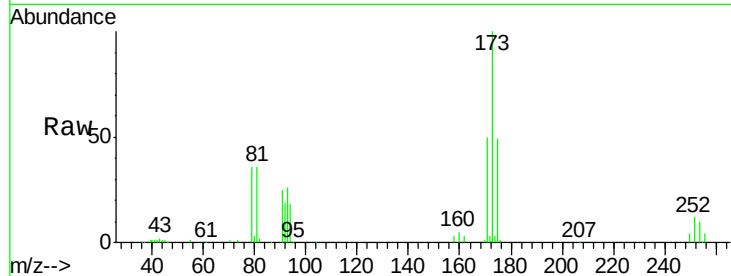
175 48.5 24.6 73.8

254 0.2 0.0 0.0#

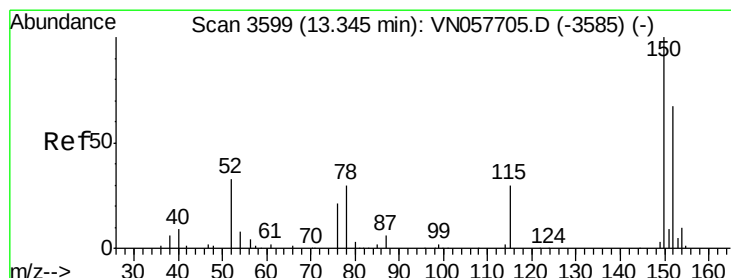
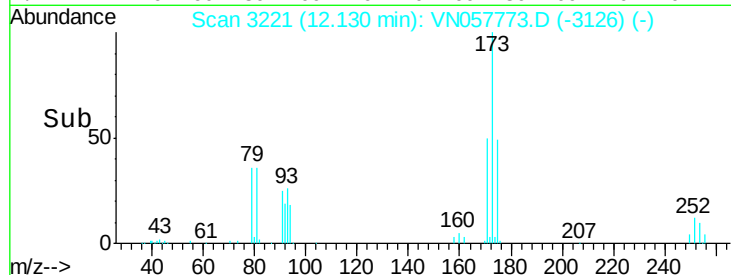
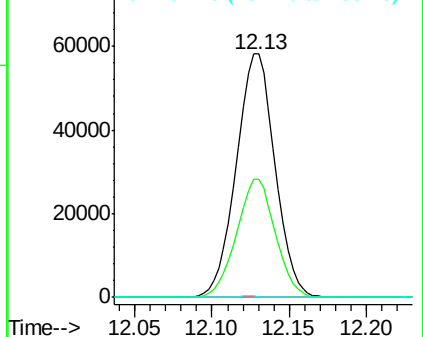
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

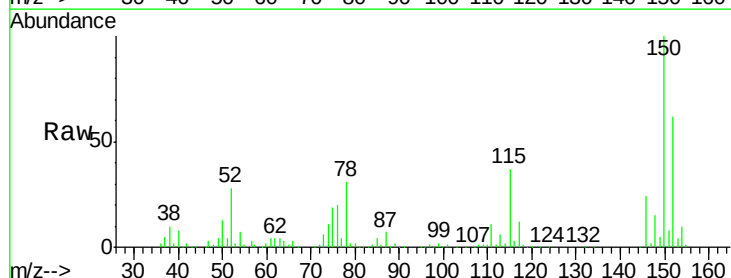
Tgt Ion:152 Resp: 178347

Ion Ratio Lower Upper

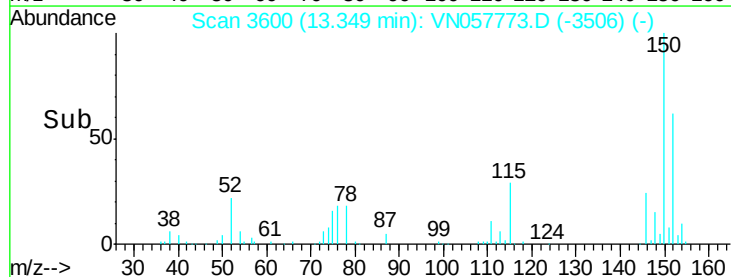
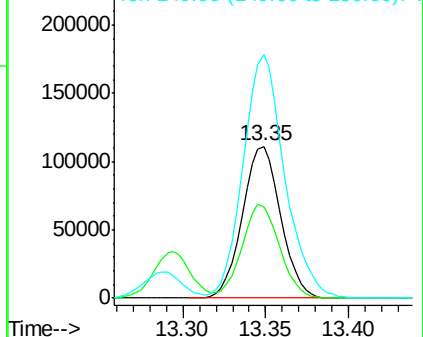
152 100

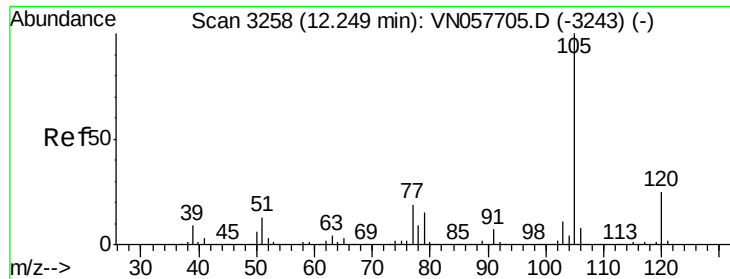
115 60.4 33.8 101.3

150 173.6 0.0 345.4



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





#73

Isopropylbenzene

Concen: 47.268 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 745307

Ion Ratio Lower Upper

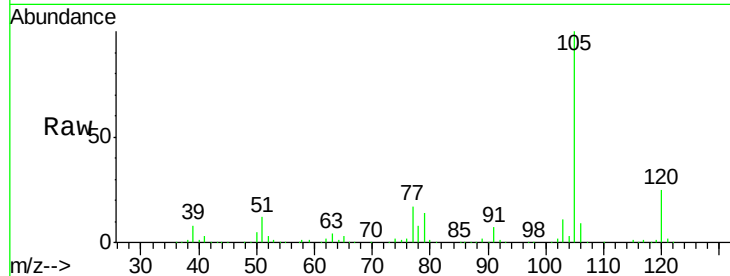
105 100

120 25.3 12.2 36.6

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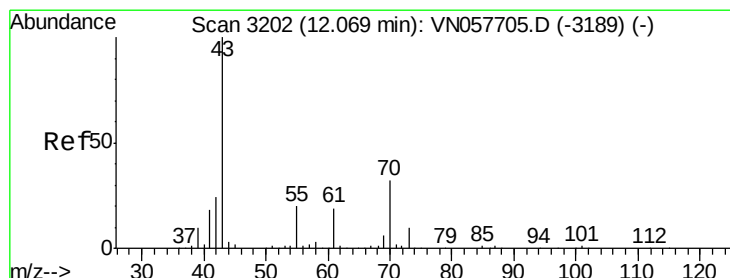
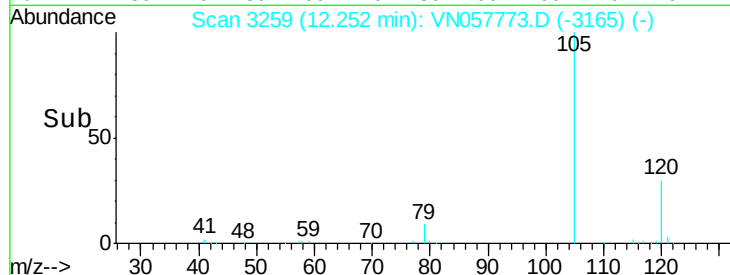
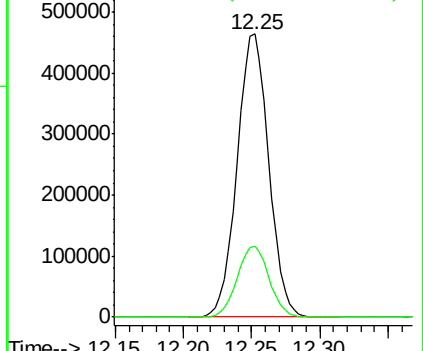
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.071 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Tgt Ion: 43 Resp: 354999

Ion Ratio Lower Upper

43 100

70 32.9 26.1 39.1

55 21.2 16.3 24.5

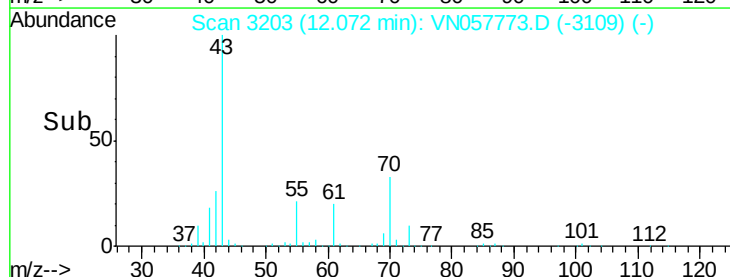
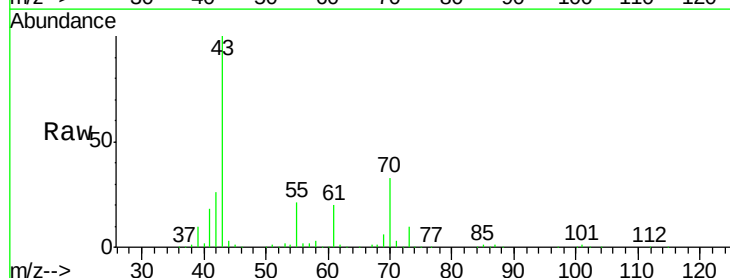
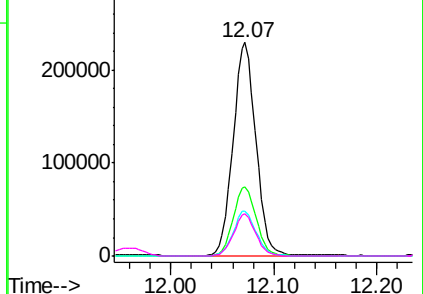
61 19.3 15.0 22.4

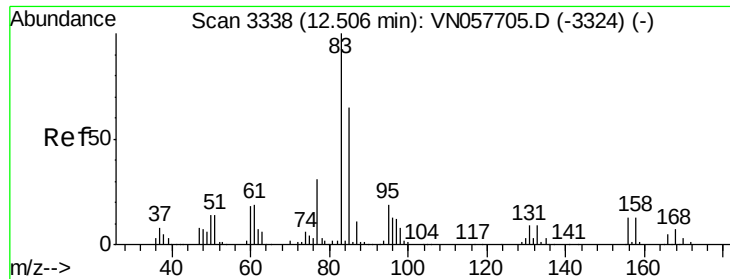
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.765 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

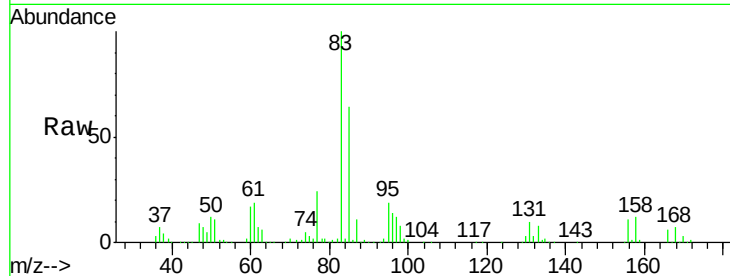
ClientSampleId :

VSTDCCC050

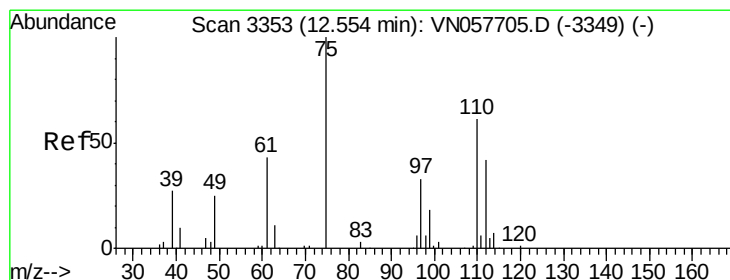
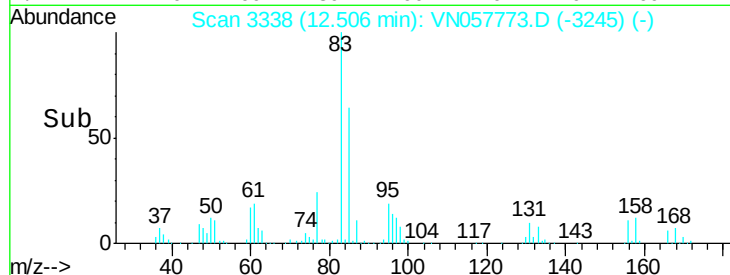
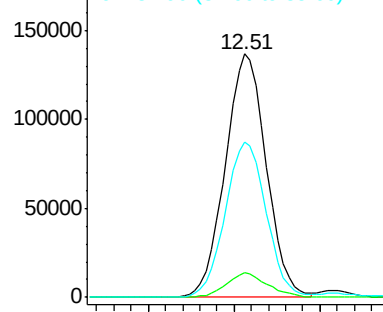
Tot Ion:	83	Resp:	225836
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.5	13.5
85	63.9	31.8	95.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057773.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 45.851 ug/l m

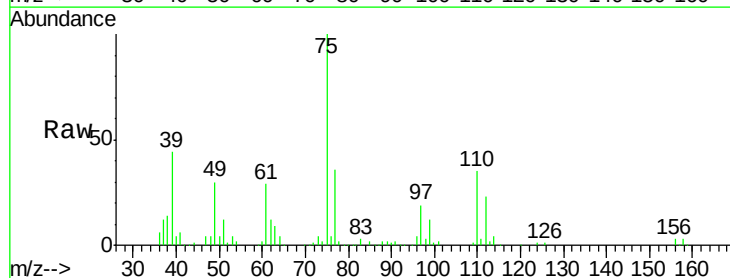
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

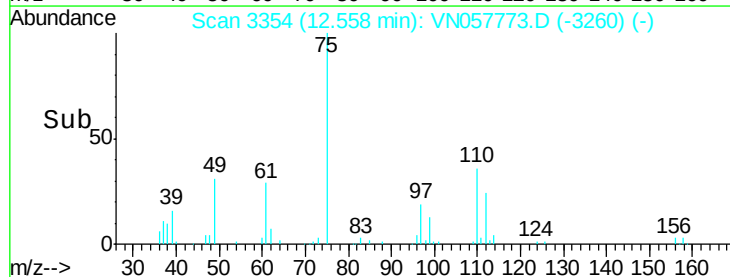
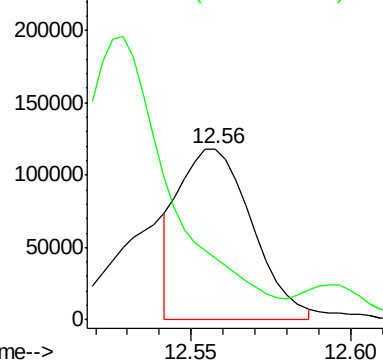
Lab File: VN057773.D

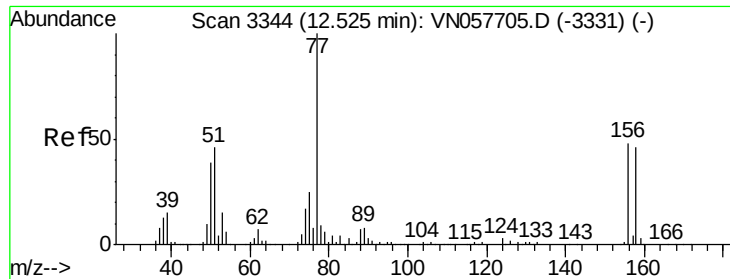
Acq: 7 Sep 2019 23:11

Tgt Ion:	75	Resp:	187784
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057773.D (-3260) (-)





#77

Bromobenzene

Concen: 51.793 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 177416

Ion Ratio Lower Upper

156 100

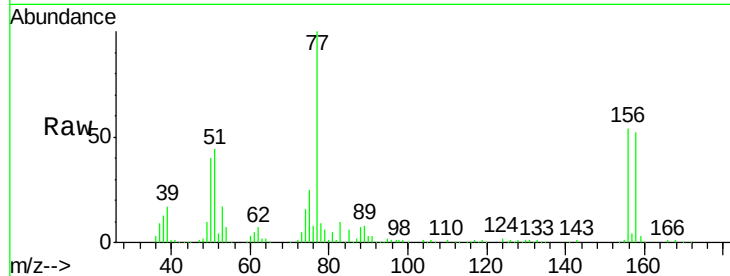
77 223.4 125.4 376.2

158 97.1 49.3 147.9

Manual Integrations
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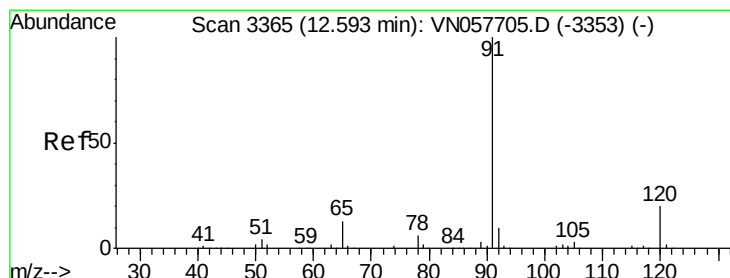
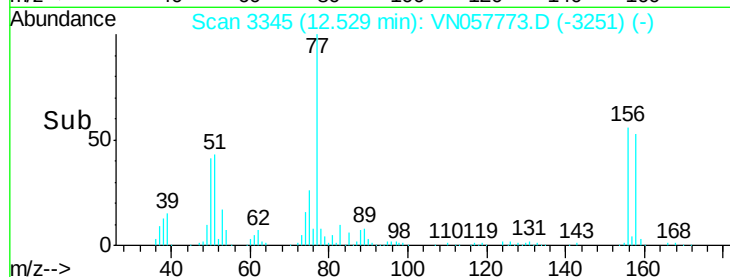
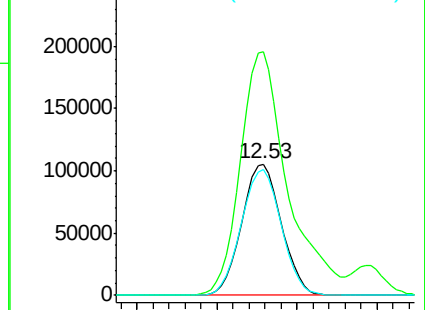
9/10/2019 3:02:45 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.028 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057773.D

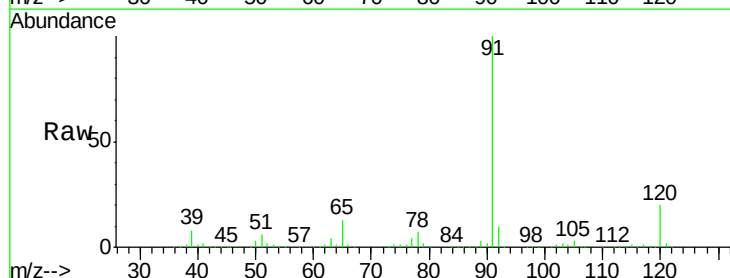
Acq: 7 Sep 2019 23:11

Tgt Ion: 91 Resp: 862245

Ion Ratio Lower Upper

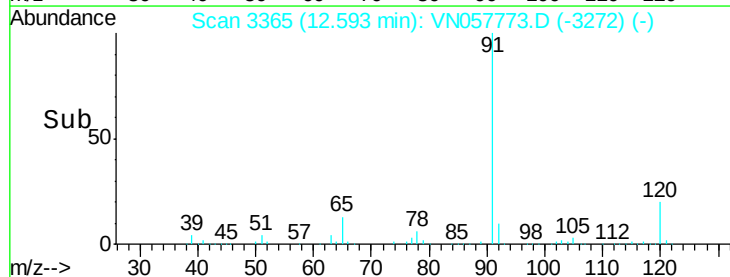
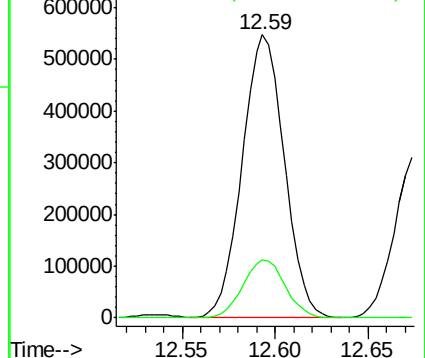
91 100

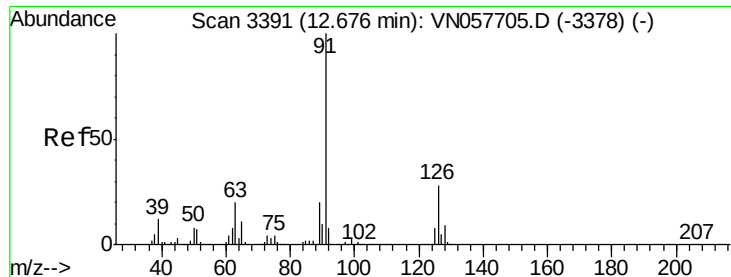
120 20.8 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.717 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057773.D

Acq: 7 Sep 2019 23:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 532770

Ion Ratio Lower Upper

91 100

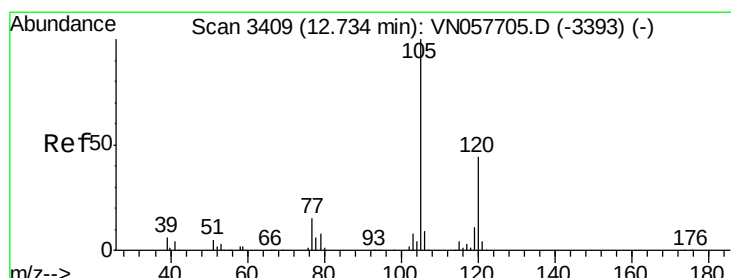
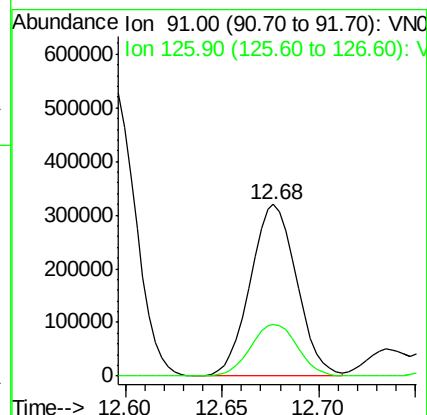
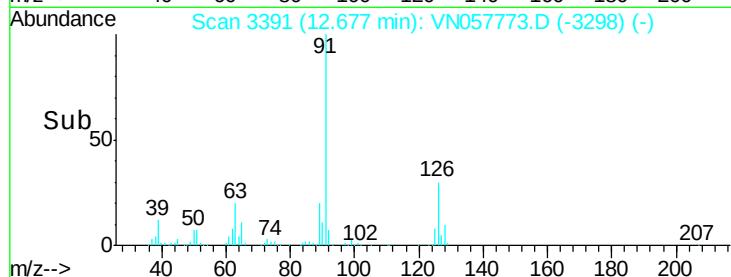
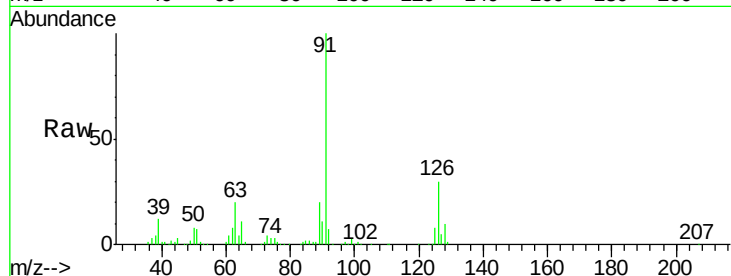
126 30.9 14.5 43.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.599 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057773.D

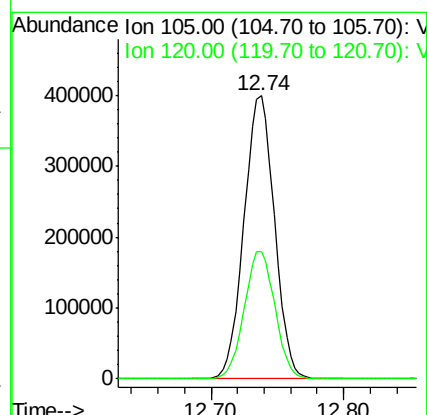
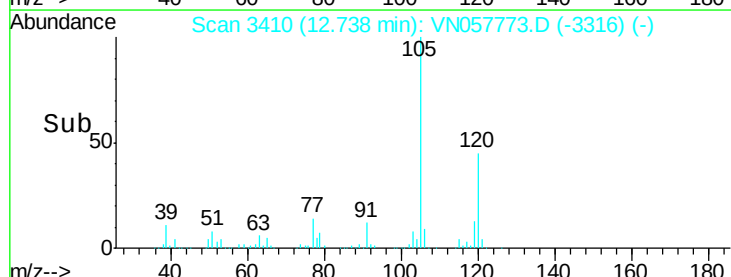
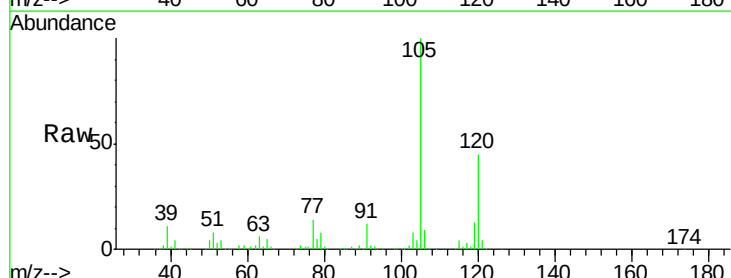
Acq: 7 Sep 2019 23:11

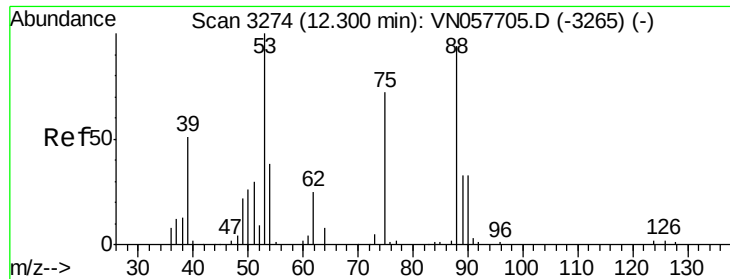
Tgt Ion: 105 Resp: 637548

Ion Ratio Lower Upper

105 100

120 45.2 22.3 66.8





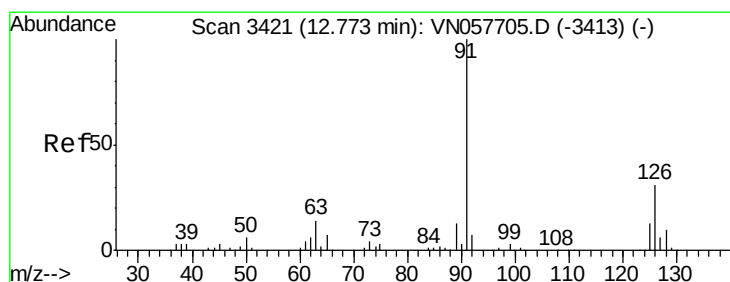
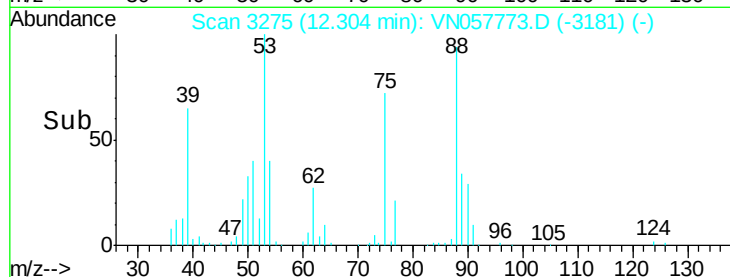
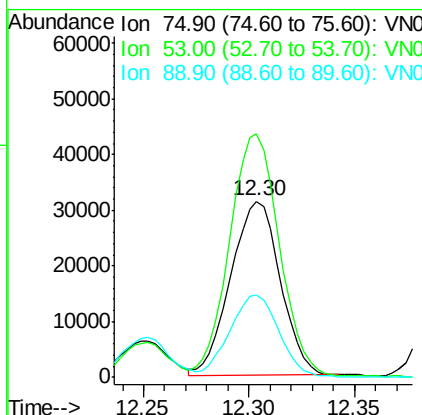
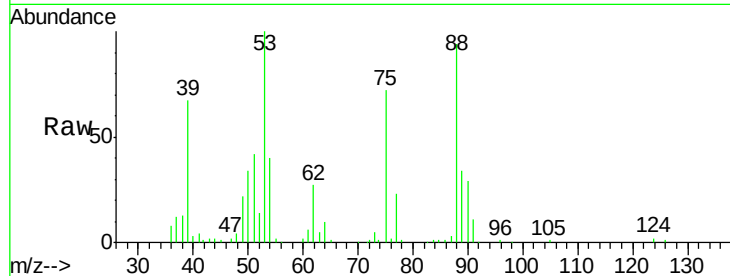
#81
trans-1,4-Dichloro-2-butene
Concen: 38.899 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	138.6	107.0	160.6
89	47.1	36.5	54.7

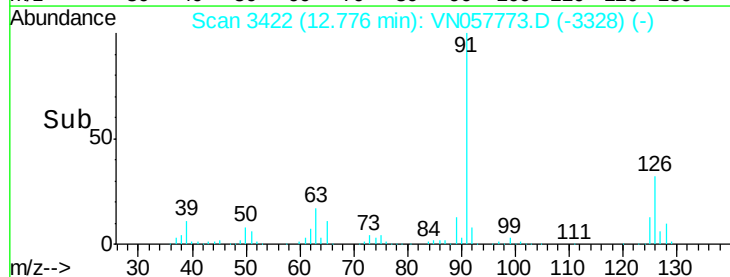
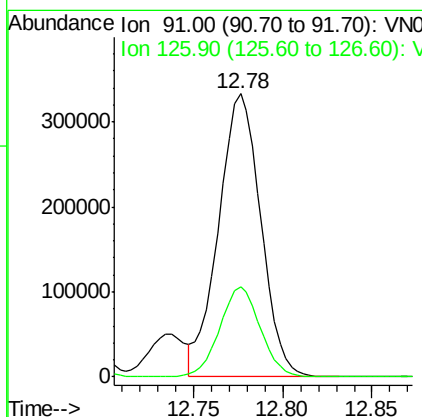
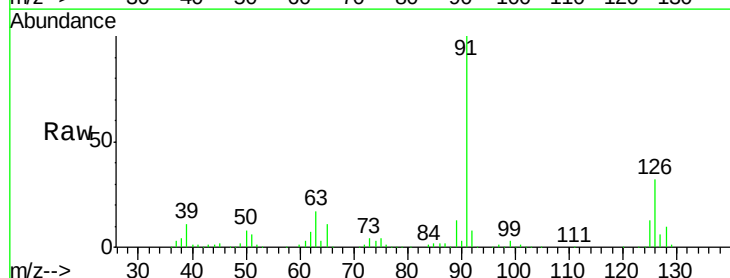
Manual Integrations
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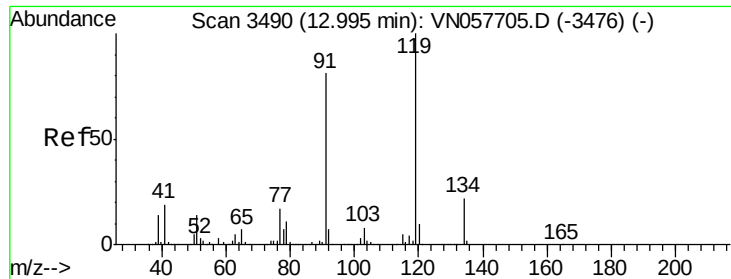
MMDadoda
9/10/2019 3:02:45 PM



#82
4-Chlorotoluene
Concen: 46.504 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	14.4	43.4





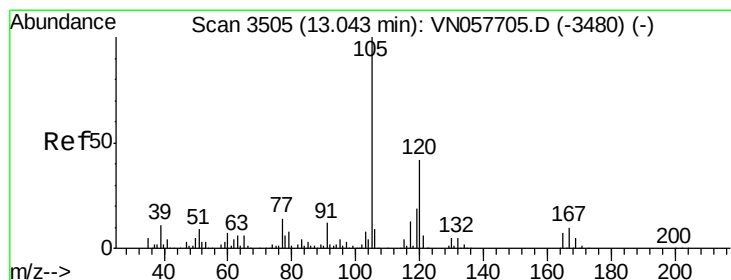
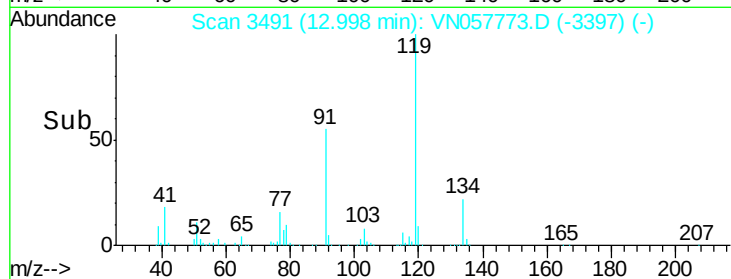
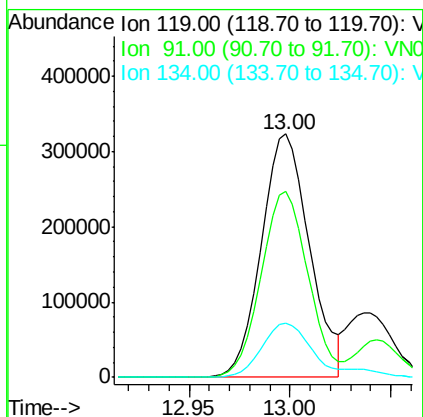
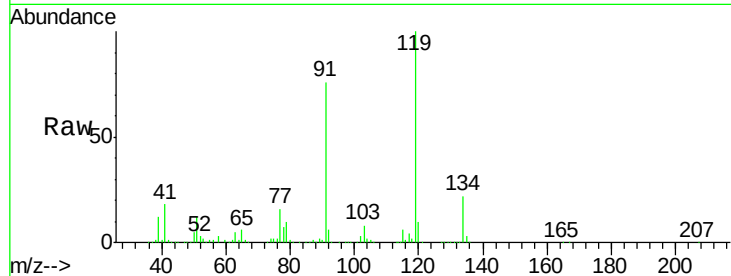
#83
 tert-Butylbenzene
 Concen: 47.562 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	537046		
91	74.2		39.6	118.8
134	22.7		11.3	33.8

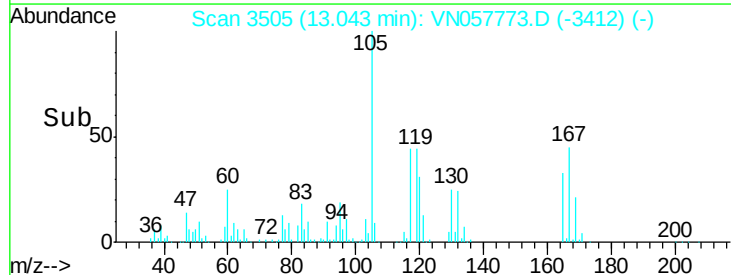
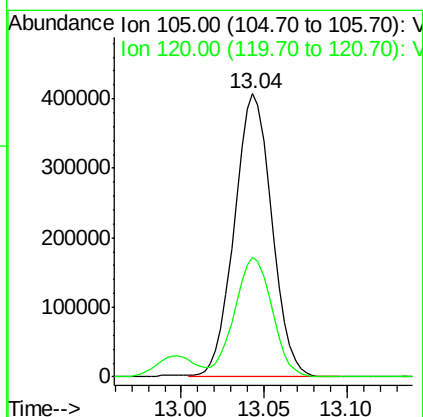
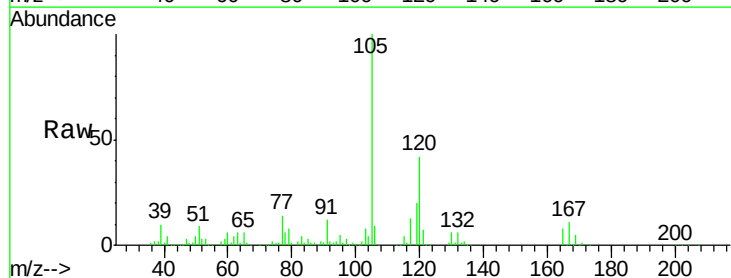
Manual Integrations
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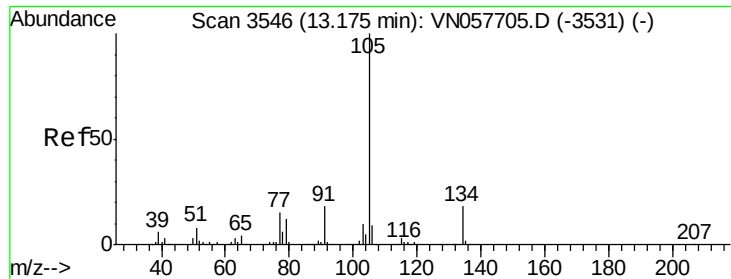
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 9/10/2019 3:02:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.135 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	638637		
120	42.6		20.8	62.5





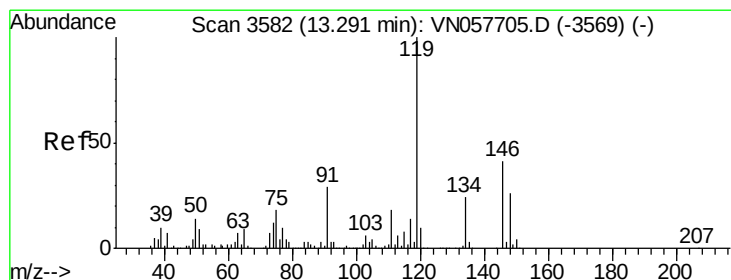
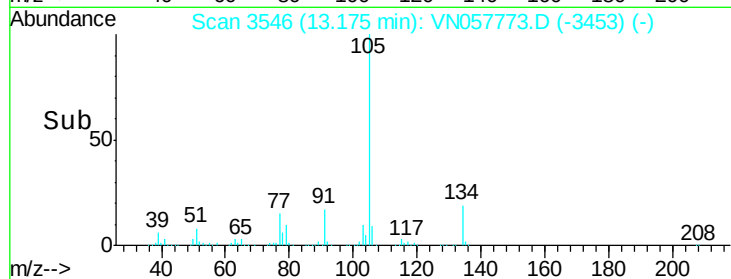
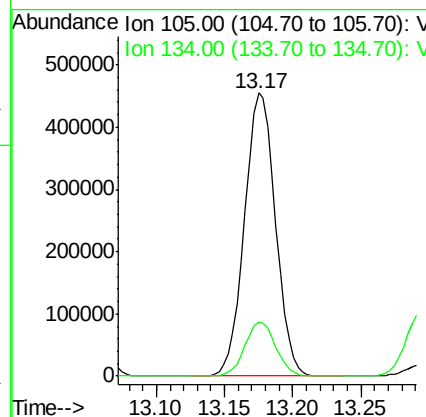
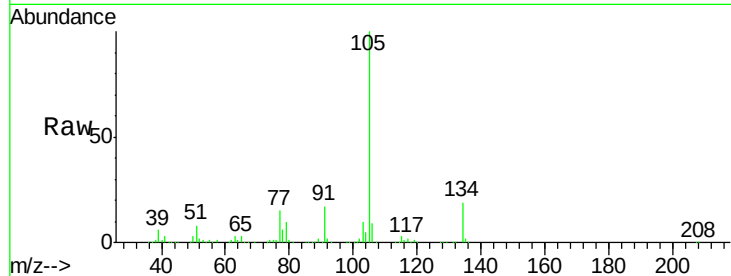
#85
 sec-Butylbenzene
 Concen: 45.976 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	715210		
134	19.1	8.8	26.5	

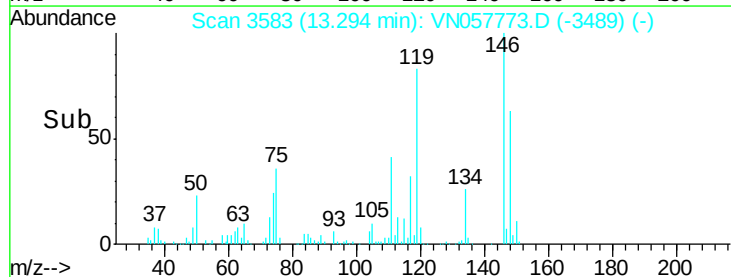
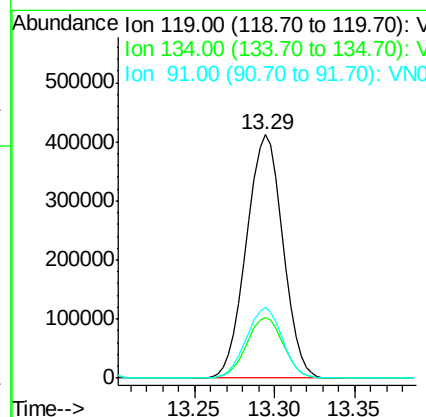
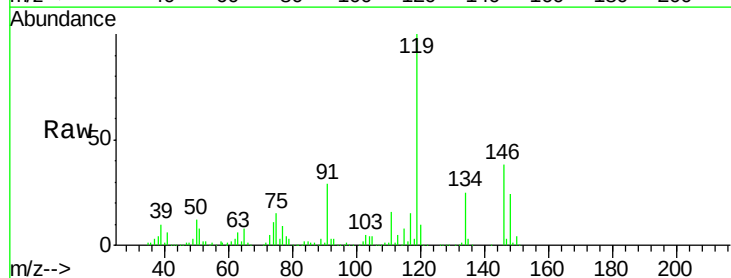
Manual Integrations
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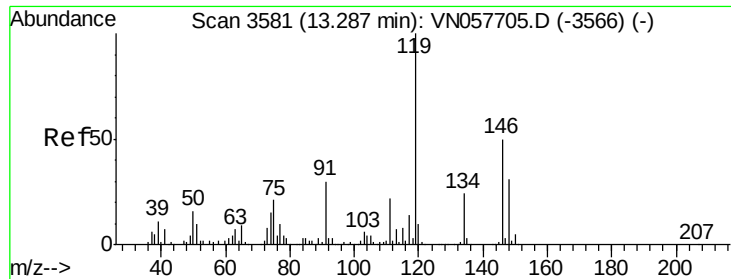
MMDadoda
 9/10/2019 3:02:45 PM



#86
 p-Isopropyltoluene
 Concen: 48.318 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	637016		
134	25.2	12.4	37.0	
91	28.5	14.8	44.3	





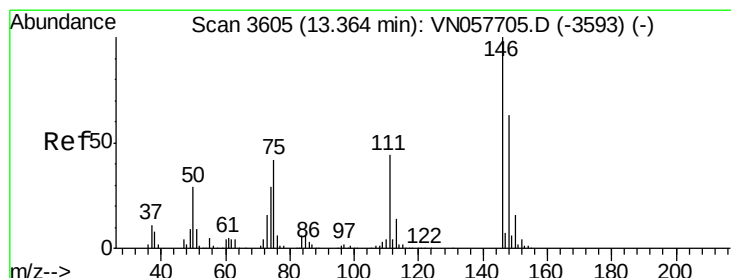
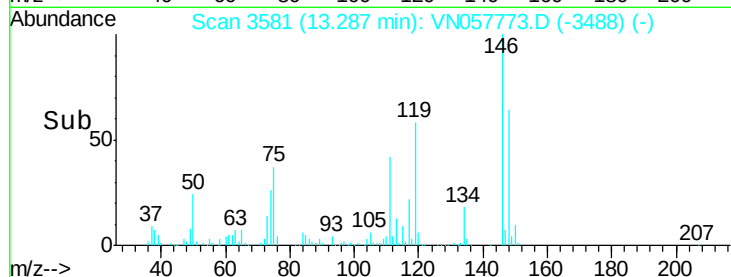
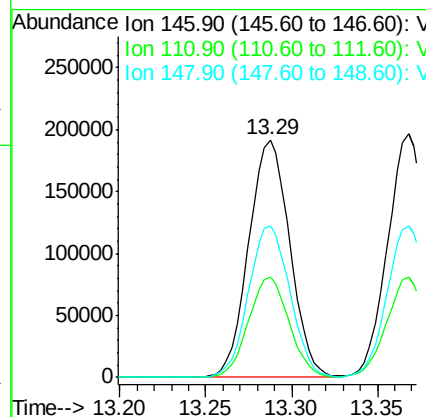
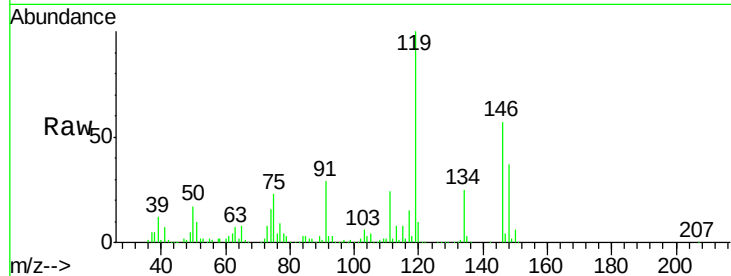
#87
 1,3-Dichlorobenzene
 Concen: 49.747 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.8	22.3	66.8	
148	64.2	31.5	94.5	

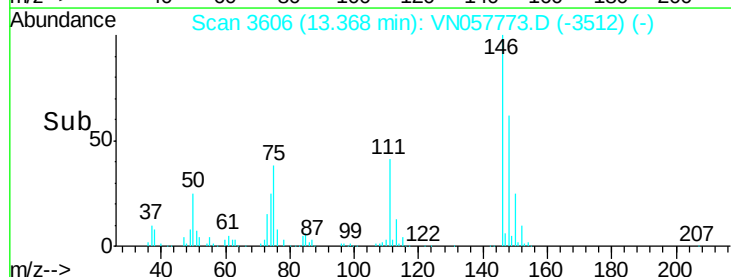
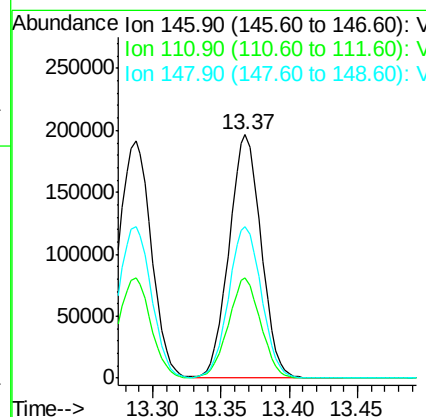
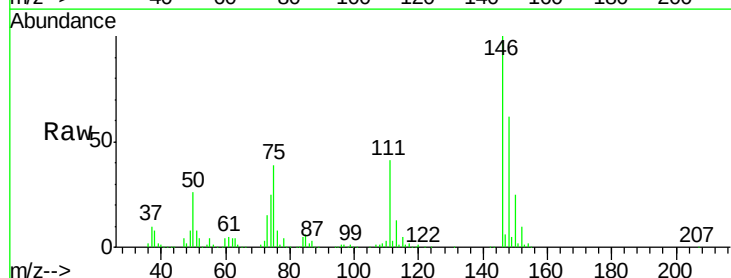
Manual Integrations
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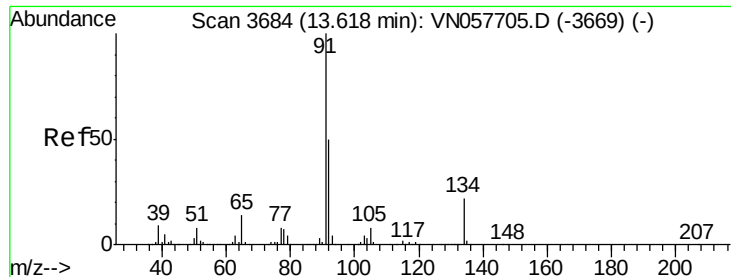
MMDadoda
 9/10/2019 3:02:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.962 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	22.3	66.9	
148	63.8	31.9	95.7	





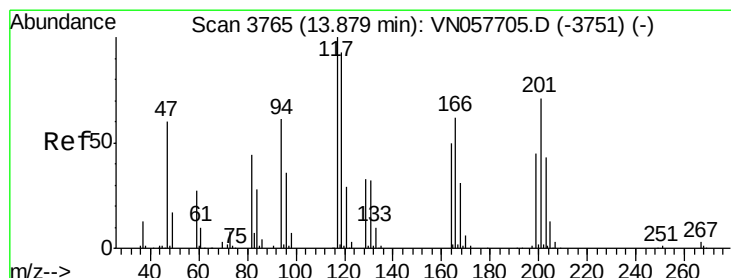
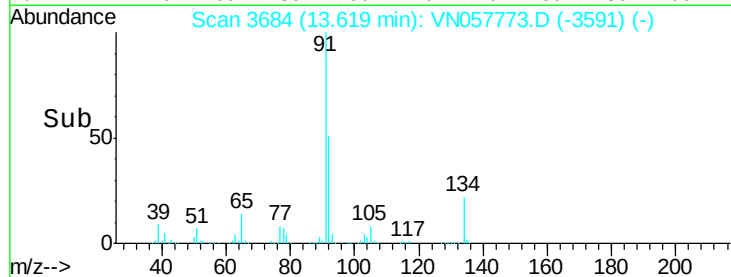
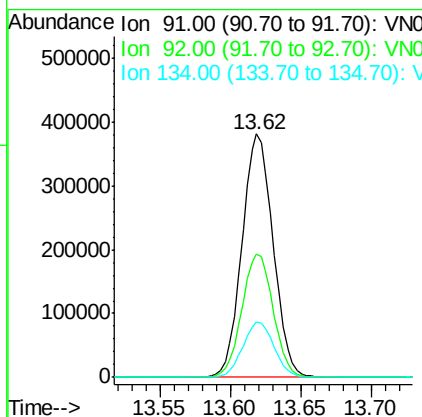
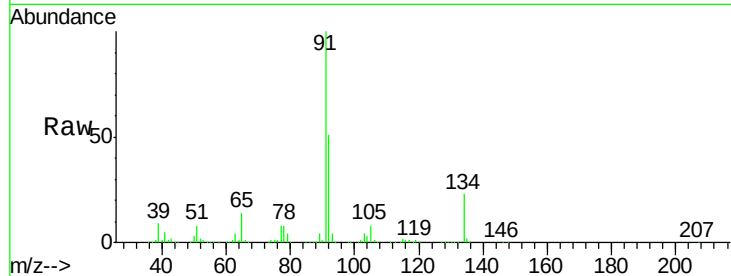
#89
n-Butylbenzene
Concen: 45.301 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.6	76.8
134	22.9	11.2	33.5

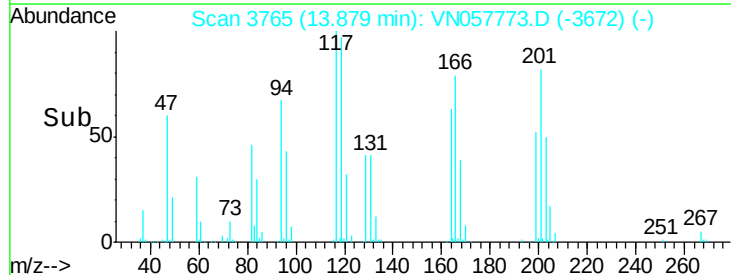
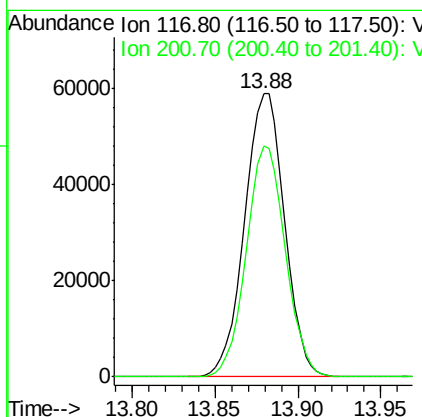
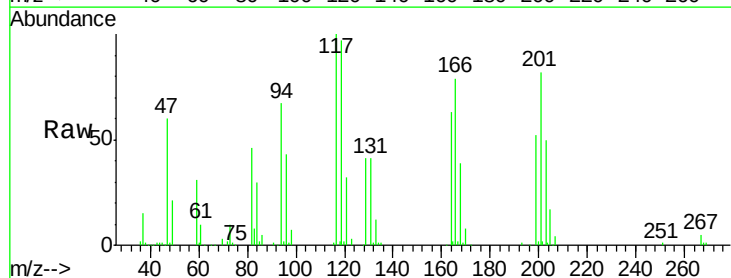
Manual Integrations
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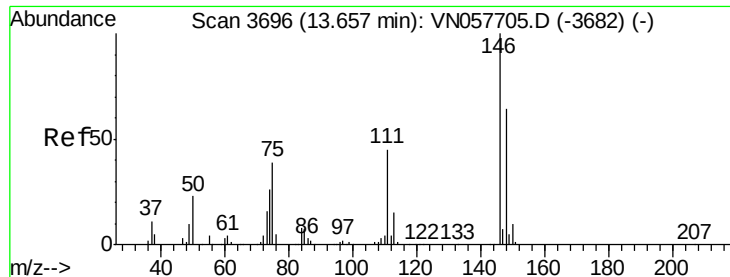
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#90
Hexachloroethane
Concen: 47.955 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	36.4	109.2





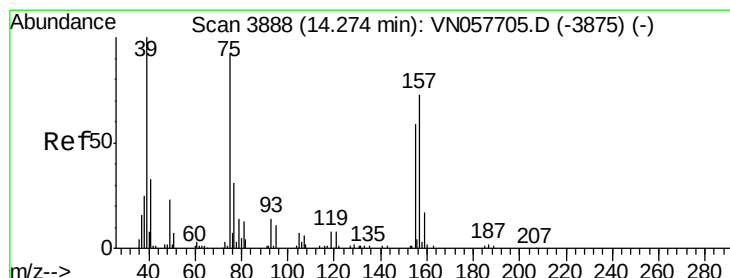
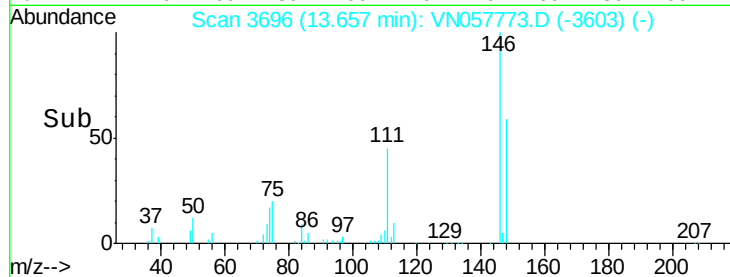
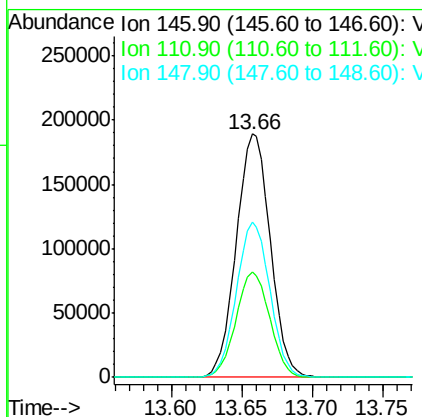
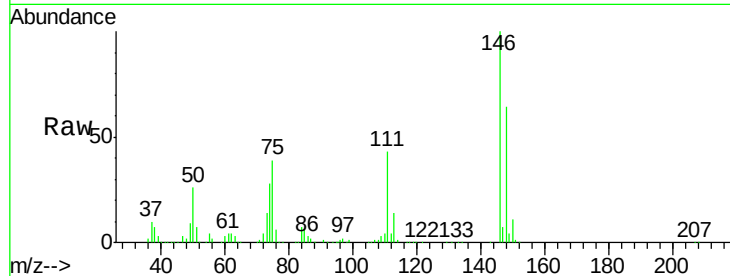
#91
 1,2-Dichlorobenzene
 Concen: 50.910 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	320977
Ion Ratio	Lower	Upper	
146	100		
111	42.9	22.8	68.3
148	62.6	31.6	95.0

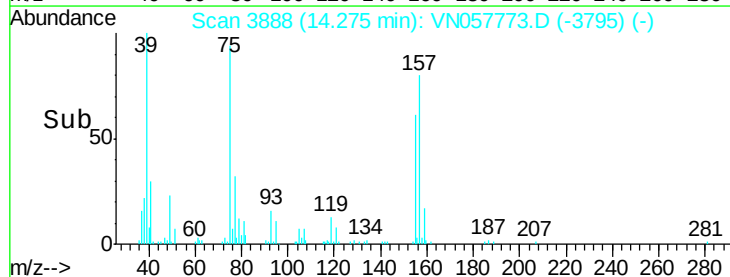
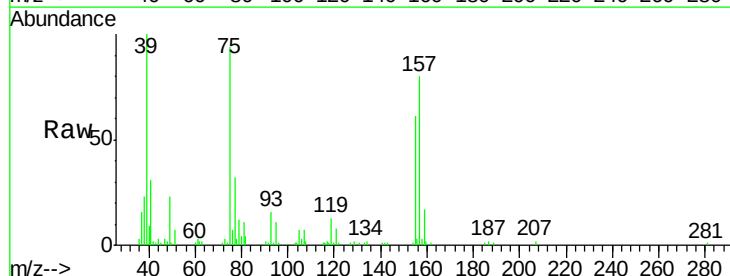
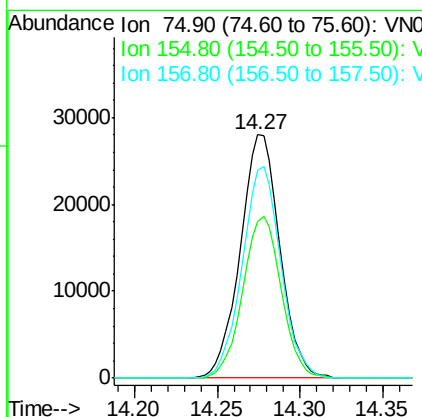
Manual Integrations
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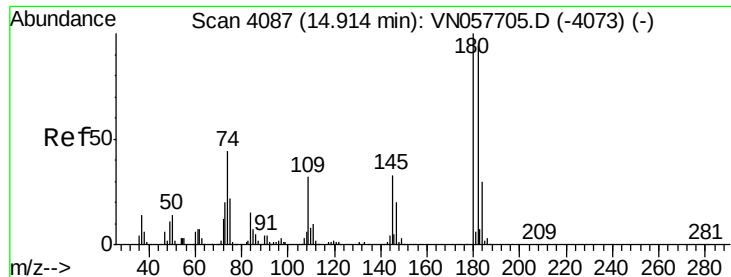
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 9/10/2019 3:02:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.043 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Tgt Ion:	75	Resp:	46613
Ion Ratio	Lower	Upper	
75	100		
155	64.5	30.1	90.5
157	85.0	38.1	114.5





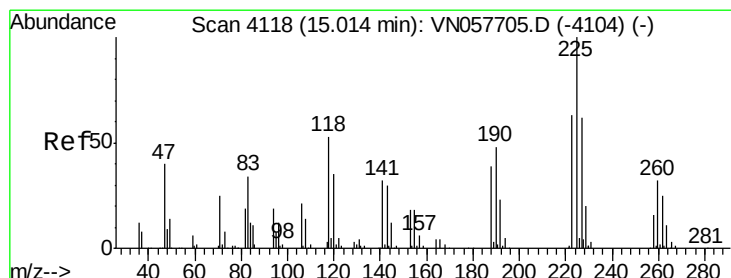
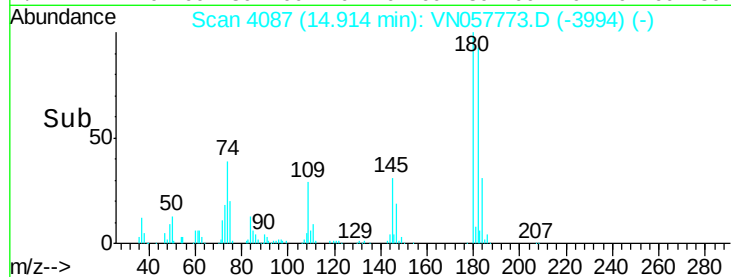
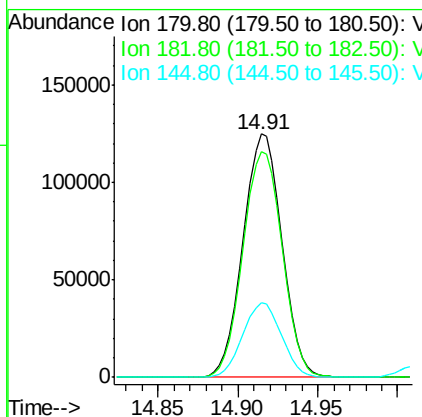
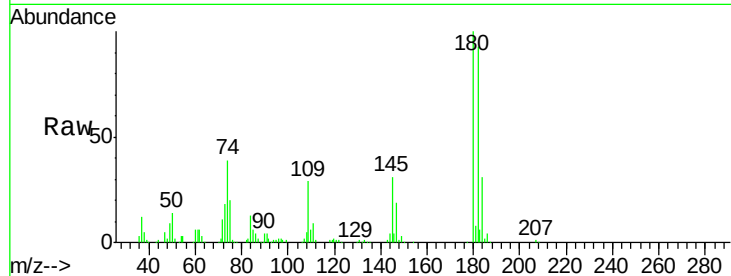
#93
 1,2,4-Trichlorobenzene
 Concen: 54.911 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	207116
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.6	142.9
145	30.5	16.6	49.7

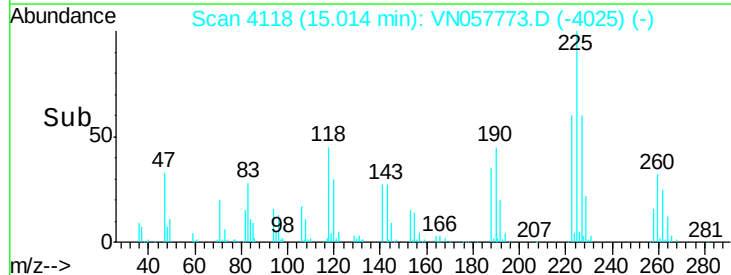
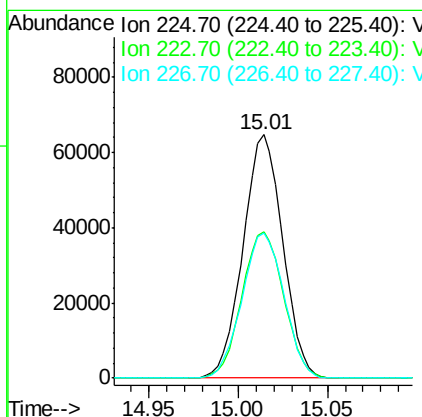
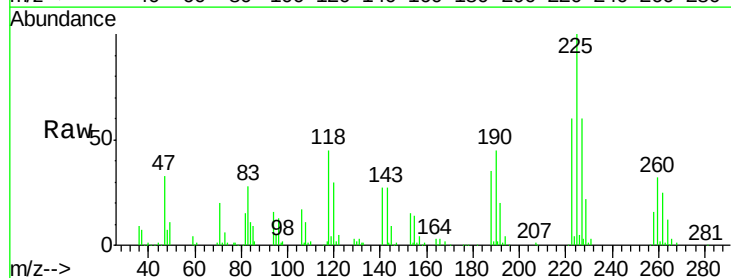
Manual Integrations
 APPROVED

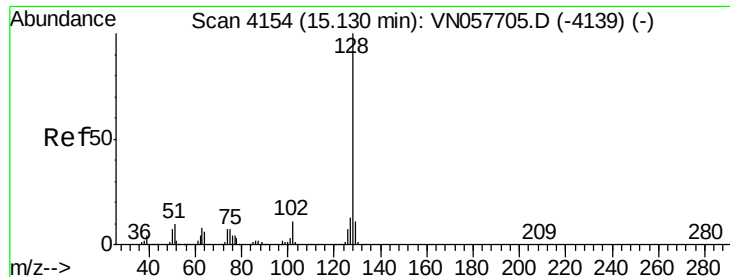
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 54.842 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057773.D
 Acq: 7 Sep 2019 23:11

Tgt Ion:	225	Resp:	100824
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.6	95.0
227	62.8	31.7	95.1





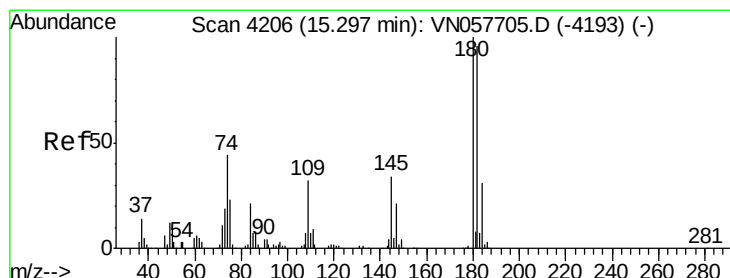
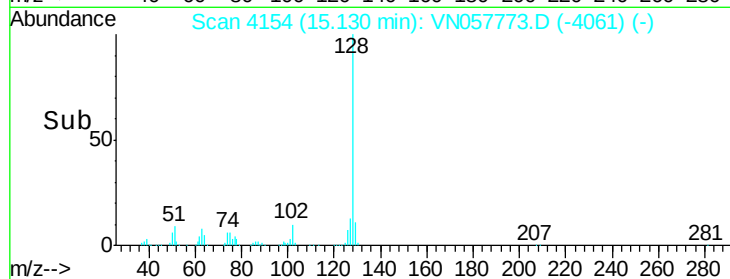
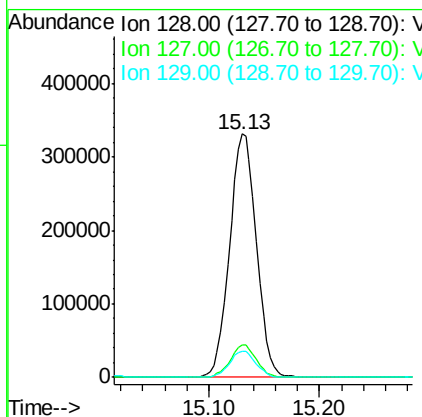
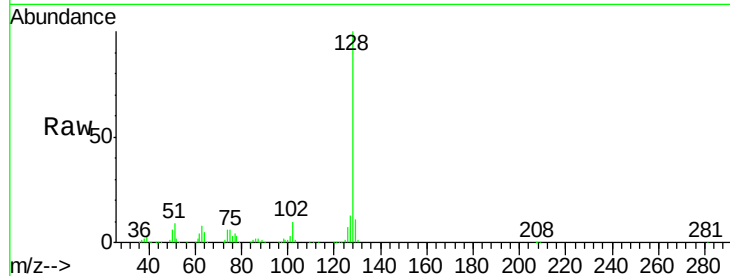
#95
Naphthalene
Concen: 50.968 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	557719		
127	13.0		10.6	15.8
129	10.8		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:02:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.887 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057773.D
Acq: 7 Sep 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	194825		
182	94.6		47.0	141.2
145	32.8		17.5	52.6

